

INDEX *of* PATENTS

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THE UNITED STATES
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1948



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1949

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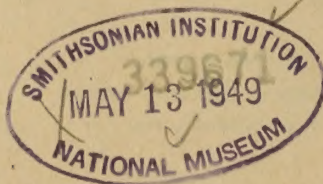
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¹ Includes 10 withdrawn.



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LIST OF PATENTEEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

- A C F-Brill Motors Company, assignee: *See*—
Flogaus, Howard A.
- A M I Incorporated, assignee: *See*—
McCallum, Robert A.
- AMP Corporation, assignee: *See*—
Thompson, Parke H.
- A P Parts Corporation, The, assignee: *See*—
Colwell, Harry E.
- A/S Enico, assignee: *See*—
Mejlbo, Erik G.
- ATF Incorporated, assignee: *See*—
Thompson, Harold L., and King.
- Aab, William, New Ulm, Minn. Cord supporting device. 2,444,800, July 6.
- Aagaard, Leif, Red Bank, N. J., and W. J. Cauwenberg, Piney River, Va., assignors to American Cyanamid Company, New York, N. Y. Composite pigments. 2,444,237, June 29.
- Aagaard, Leif, Red Bank, N. J., and W. J. Cauwenberg, Piney River, and W. R. Whately, Lynchburg, Va., assignors to American Cyanamid Company, New York, N. Y. Composite pigments. 2,444,238, June 29.
- Aakjer, Jens J.: *See*—
Furst, Albert J., Aakjer, and Dickerson.
- Aamot, Sven, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,448,852, Sept. 7.
- Aas, Bjarne, Fredrikstad, Norway; vested in the Attorney General of the United States. Apparatus for cutting the bevel on hull planking. 2,437,236, Mar. 9.
- Abbe, Kenneth P., Longmeadow, Mass. Necktie press and case. 2,446,733, Aug. 10.
- Abbink-Spaink, Johann H.: *See*—
Ingoldby, Maurice K., and Abbink-Spaink.
- Abbott, Andrew D., Fairfax, Calif., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Margarine oil production. 2,442,538, June 1.
- Abbott-Becker Distributing & Manufacturing, assignee: *See*—
Burke, Vincent D.
- Abbott, Elbert V., assignor to Electric Time Recording Register Company, San Francisco, Calif. Time recording device. 2,436,539, Feb. 24.
- Abbott, Green R., Baltimore, Md. Rack and gear operated column clamp. 2,441,178, May 11.
- Abbott, Jerome G., Long Branch, N. J. Variable transformer. 2,442,751, June 8.
- Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Helgren, Fred J.
Knauf, Albert E., and Kirchmeyer.
Lefler, Martin T., and Rundell.
Weston, Arthur W.
- Abbott, Scott M., Chicago, assignor to R. C. Burrows, Park Ridge, Ill. Liquid dispenser. 2,436,030, Feb. 17.
- Abbott, Walter D., assignor to Vanott Machine Corp., Buffalo, N. Y. Buffing and polishing machine. 2,447,454, Aug. 17.
- Abbott, Winfield F., Ruislip, England, assignor to The Bristol Company, Waterbury, Conn. Electrical contact system. 2,445,816, July 27.
- Abbrecht, Hermann H., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Trimming machine. 2,449,042, Sept. 14.
- Abe, Philber A., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Grooving machine. 2,441,915, May 18.
- Abeel, James M., Sebastopol, Calif. Gopher trap. 2,436,985, Mar. 2.
- Abel, Franklin W., Franklin, Ind. Pavement slab connector. 2,448,134, Aug. 31.
- Abeles, Jerome G., assignor to The Formfit Company, Chicago, Ill. Strapless brassiere. 2,443,127, June 8.
- Abeles, Paul W., London W. 11, England. Composite structural member. 2,455,153, Nov. 30.
- Abed, Irving J., and M. Slepoff, New York, N. Y. Photographic flash apparatus. 2,447,832, Aug. 24.
- Aber, Joseph S., assignor of 6 per cent to W. S. Loeb, Philadelphia, Pa. Packing gasket and static seal. 2,437,586, Mar. 9.
- Aber, Joseph S., Philadelphia, Pa. Elastic snap ring fastener. 2,456,355, Dec. 14.
- Aber, Joseph S., Philadelphia, Pa. Packing gasket and static seal. 2,456,356, Dec. 14.
- Abercrombie, David J., E. A. Brettingham-Moore, and W. T. Muscio, Alexandria, near Sydney, New South Wales, Australia, assignors to International Standard Electric Corporation, New York, N. Y. Time-delay switch operating system. 2,457,112, Dec. 28.
- Abernathy, Bill J., Jr.: *See*—
Plemel, Lawrence M., and Abernathy.
- Abiuso, John, New Cumberland, Pa. Airway marker. 2,455,721, Dec. 7.
- Ablah, Frank J., assignee: *See*—
McMillan, James O.
- Able Scientific Glass Apparatus Co., assignee: *See*—
Meneses, Hector A.
- Abraham, Artie: *See*—
Marx, Paul, and Abraham.
- Abraham, Charles R., San Francisco, Calif. Means and method of indicating acceleration. 2,457,620, Dec. 28.
- Abraham, Hans A., Philadelphia, Pa. Electric outlet. 2,439,708, Apr. 13.
- Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,444,623, July 6.
- Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Interlocking strip-shingles. 2,452,708, Nov. 2.
- Abraham, Ralph, assignor to Seth E. Glem River Unit, Memphis, Tenn. Side dump truck body. 2,439,439, Apr. 13.
- Abrahamson, Edmund, Baldwin, N. Y. Vibration actuated indicator. 2,438,958, Apr. 6.
- Abram, Oliver R., Glendale, Calif. Electric welding ground. 2,437,633, Mar. 9.
- Abramovitch, Benjamin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing oxalimides. 2,443,062, June 8.
- Abrams, Armand J., M. H. Gorin, and C. O. Baker, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of carbon monoxide and hydrogen from methane. 2,449,359, Sept. 14.
- Abrams, Ben, assignee, et al.: *See*—
Stallsmith, Clare B.
- Abrams, Ellis, Philadelphia, assignor to Quaker Chemical Products Corp., Conshohocken, Pa. Composition and process for imparting water repellent finish to textiles. 2,446,864, Aug. 10.
- Abrams Instrument Company, assignee: *See*—
Abrams, Talbert, Moore, and Nelson.
Moore, Milford B.
- Abrams Investment Co.: *See*—
Stallsmith, Clare B.
- Abrams, Joe, assignee, et al.: *See*—
Stallsmith, Clare B.
- Abrams, Joseph, Brooklyn, assignor to Louis Saffer Co., Inc., New York, N. Y. Garmentmaking apparatus. 2,448,287, Aug. 31.
- Abrams, Joseph S., Montreal, Quebec, Canada. Illustrated matter. 2,454,419, Nov. 23.
- Abrams, Max, assignee, et al.: *See*—
Stallsmith, Clare B.
- Abrams, Sam, assignee, et al.: *See*—
Stallsmith, Clare B.
- Abrams, Talbert, and M. B. Moore, Lansing, and R. Nelson, East Lansing, assignors to T. Abrams, doing business as Abrams Instrument Company, Lansing, Mich. Lens heater. 2,443,913, June 8.
- Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Device producing ornamental bubble effects and method. 2,453,176, Nov. 9.
- Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Device producing ornamental bubble effects and method. 2,453,177, Nov. 9.
- Abramson, Abraham, New York, assignor to Raylite Electric Corp., Bronx, N. Y. Bubble ornamental device and method. 2,453,178, Nov. 9.
- Abramson, Louis D., Boston, Mass. Air-cooled electrode holder. 2,440,816, May 4.
- Abramson, Morris H., Springfield, Mass. Securing device. 2,456,039, Dec. 14.
- Accessories Manufacturing and Engineering Company, assignee: *See*—
Krueger, Rudolph E.
- Accles & Shelvoke Limited, assignee: *See*—
Arrowsmith, John B.
- Accmatool Co., Inc., assignee: *See*—
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- Ace Glass Incorporated, assignee: *See*—
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- Ace Storm Window Company, assignee: *See*—
Krantz, Walter M.
- Achenbach, Charles J., Manitowoc, Wis. Traction shoe attachment for wheels. 2,450,776, Oct. 5.
- Acheson, Louis K., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,436,159, Feb. 17.
- Acheson, Marcus A., and P. Haas, assignors to Sylvania Electric Products Inc., Emporium, Pa. Electron discharge tube. 2,443,528, June 15.
- Achs, Nicholas, Detroit, Mich. Refrigerated display case. 2,441,463, May 11.
- Acker, John T., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating coating compositions and making. 2,457,515, Dec. 28.
- Akeret, Jakob, Kusnacht near Zurich, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant and its working medium, with method of operation. 2,453,886, Nov. 16.
- Ackerman, Albert C., Ballston Spa, N. Y. Seamless knit ambidextrous glove and making the same. 2,441,611, May 18.
- Ackerman, Arthur O., Fullerton, Calif. Entrapping condensation. 2,456,238, Dec. 14.
- Ackerman, Harold S., Dayton, Ohio, assignor to Hubbard and Company, Pittsburgh, Pa. Control apparatus. 2,449,638, Sept. 21.
- Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Strip reversing binder for sewing machines. 2,452,419, Oct. 26.
- Ackerman, Max, Brooklyn, N. Y., assignor to Handi-Bag Co. Lady's handbag. 2,448,404, Aug. 31.
- Ackerman, Milton J.: *See*—
Clammer, Edward S., Ackerman, and Barton.
- Ackley, Robert A., assignor to Republic Flow Meters Company, Chicago, Ill. Method of and apparatus for measuring the composition of gas. 2,437,720, Mar. 16.
- Ackley, Robert A., assignor to Republic Flow Meters Company, Chicago, Ill. Vapor indicating apparatus. 2,455,966, Dec. 14.
- Ackroyd, Archie M., Cranford, N. J., assignor to Standard Oil Development Company. Bubble cap. 2,443,812, June 22.
- Acme Electric Corporation, assignee: *See*—
Comstock, James A.
Miller, Edward A.
- Acme Industrial Hydraulics, Inc., assignee: *See*—
Gabriel, Adam.
- Acme Steel Company, assignee: *See*—
Spiller, William R., and Niederhauser.
- Acme Tool and Manufacturing Company, assignee: *See*—
Shea, Robert P., and Furer.
- Acme Visible Records, Inc., assignee: *See*—
Attwood, Charles E.
Hall, Marchand B.
Hall, Marchand B., and Ketterman.
Rockwell, Lyle C.
Smith, Perry R.
- Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr.
- Action Bufts, Inc., assignee: *See*—
Seelenfreund, Louis M.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,435,663, Feb. 10.
- Acton, Russel D., Chicago, Ill. Tractor-mounted power loader. 2,440,765, May 4.
- Acton, Russel D., Chicago, Ill. Tractor power device. 2,454,684, Nov. 23.
- Acton, Russel D., Chicago, Ill. Hydraulic cylinder and piston device. 2,456,236, Dec. 14.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Tractor mounted implement. 2,456,237, Dec. 14.
- Adair, Garland L., Fort Worth, Tex. Key retainer. 2,442,479, June 1.
- Adair, Paul F., Dayton, Ohio. Relative temperature indicator. 2,450,871, Oct. 12.
- Adair, Russell S., Youngstown, Ohio. Control device for hydraulic steady-rest chucks. 2,451,705, Oct. 19.
- Adam, Frank, St. Louis County, and F. S. Green, assignors to Frank Adam Electric Company, St. Louis, Mo. Circuit breaker. 2,435,114, Jan. 27.
- Adam, Frank, Electric Company, assignee: *See*—
Adam, Frank, and Green.
Adam, Frederick B.
Green, Floyd S.
Williams, Floyd C.
- Adam, Frederick B., assignor to Frank Adam Electric Company, St. Louis, Mo. Bus ducts for electrical distribution systems. 2,435,113, Jan. 27.
- Adam, John N., Jr., Montvale, and O. Durfee, Pearl River, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Scarlet fever toxin. 2,436,063, Feb. 17.
- Adams, Albert E., and D. Waloff, Wells, assignors to Scophony Limited, London, England. Alternating current or like motor with gyratory armature. 2,437,904, Mar. 16.
- Adams, Alexander, assignor to United States Gypsum Company, Chicago, Ill. Muclaginous composition. 2,441,927, May 18.
- Adams, Alva, Connerville, Ind. Combination oil pan and internal engine cleaner. 2,437,013, Mar. 2.
- Adams Bros. Mfg. Co., Inc., assignee: *See*—
Adams, Edwin C.
- Adams, Charles J., Park Ridge, Ill. Contact for vacuum tube sockets. 2,453,826, Nov. 16.
- Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 3,3-bis(4-dimethylaminophenyl)-6-dimethylaminophthalide. Re. 23,024, Aug. 17.
- Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 3,3 bis (4-dimethylamino 3-methyl phenyl) phthalide. 2,443,092, June 8.
- Adams, Cyril S., Houston, Tex. Load indicator for cranes. 2,434,138, Jan. 6.
- Adams, Daniel O., and G. B. Hughey, Covington, Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Peroxide bleaching of ground wood. 2,435,566, Feb. 10.
- Adams, Edward J., Kent, Ohio. Exercising device. 2,435,864, Feb. 10.
- Adams, Edward W.: *See*—
Cady, George H., and Adams.
- Adams, Edwin C., assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. Electric heater. 2,455,967, Dec. 14.
- Adams, Edwin F., assignor to R. J. Bottomly, Boston, Mass. Folding bipod assembly for guns. 2,436,349, Feb. 17.
- Adams, Emilio M., Miami, Fla. Wire-end loop forming and twisting means. 2,438,984, Apr. 6.
- Adams, Frederick W., New York, N. Y., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming films upon the surfaces of glass plates. 2,439,999, Apr. 20.
- Adams, Harold A., assignor of one-tenth to A. R. Cassidy, Bakersfield, Calif. Underwater image transmitting apparatus. 2,433,971, Jan. 6.
- Adams, Harold B., Mission, Kans. Circuit interrupter indicator. 2,448,166, Aug. 31.
- Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,438,104, Mar. 23.
- Adams, Harold S., Skowhegan, Maine, assignor to American Woolen Company, New York, N. Y. Ring spinning frame. 2,449,267, Sept. 14.
- Adams, Harold W., Santa Monica, and O. A. Wheelon, Pacific Palisades, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Duplex four-way valve. 2,448,649, Sept. 7.
- Adams, Heston D., Mount Morrison, Colo. Dispensing package for cartridge reloading components. 2,451,015, Oct. 12.
- Adams, J. D., Manufacturing Company, assignee: *See*—
Rhodes, John W.
- Adams, James B., Jr.: *See*—
Sylvester, Frederick F., and Adams.
- Adams, James F., Wilmington, Del., assignor to Allied Chemical & Dye Corporation. Xanthone-DDT insecticide. 2,448,405, Aug. 31.
- Adams, Joseph S., Greenwood, Ark. Animal trap. 2,434,031, Jan. 6.
- Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.
- Adams, Leon M.: *See*—
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- Adams, Merrill L.: *See*—
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- Adams, Moxel A., Evangeline, La. Artificial bait. 2,456,665, Dec. 21.
- Adams, Nicholas M., Chicago, Ill., assignor to Wilson & Company, Inc. Compressing dehydrated foods. 2,445,752, July 27.
- Adams, Richard T.: *See*—
Liefers, William R., and Adams.
Prouty, Robert E., Bish, and Adams.
- Adams, Robert E., assignor of one-half to R. P. Bernhardt, McDonough, Ga. Power driven rotary cylindrical saw. 2,437,668, Mar. 16.
- Adams, Robert E., assignor of one-half to R. P. Bernhardt, McDonough, Ga. Laterally-cutting rotary cylindrical saw. 2,437,669, Mar. 16.
- Adams, Robert R., and H. S. Mosher, State College, Pa., assignors to Parke, Davis, & Company, Detroit, Mich. Organic nitrogen compounds and obtaining same. 2,455,396, Dec. 7.
- Adams, Rodney V.: *See*—
Petzinger, Ambrose J., and Adams.
- Adams, William C., Cincinnati, Ohio. Knitting machine. 2,448,344, Aug. 31.
- Adams, William H., Jr., and H. H. Lebach, assignors to Haveg Corporation, Newark, Del. Making silicate plastics. 2,447,725, Aug. 24.
- Adams, William S., Haverford, Pa. Piston ring packing. 2,447,385, Aug. 17.
- Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Stator winding method and apparatus therefor. 2,445,986, July 27.
- Adamson, Nicholas F., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid operated clutch. 2,437,670, Mar. 16.
- Addington, Sue M., Coral Gables, Fla. Mailbox. 2,433,880, Jan. 6.

- Addorisio, Patsy, Portchester, N. Y. Vehicle speed indicating device. 2,452,344, Oct. 26.
- Addressograph-Multigraph Corporation, assignee: *See*—
Chisholm, Clifton.
- Curtis, Franklin E.
Gollwitzer, Walter T.
Gruver, John H.
Gruver, John H., and Hueber.
Gruver, John H., and Seeley.
Hueber, Carl J.
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Morse, Lawrence H.
Van Dusen, Charles H., Jr.
- Adel Precision Products Corp., assignee: *See*—
Brant, Walter R., and Chapman.
Flynn, Francis K., and Adelman.
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Kremiller, Arthur E.
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- Adelman, Reuben H.: *See*—
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- Adelson, David E.: *See*—
Evans, Theodore W., and Adelson.
- Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Purification of stearic acid. 2,443,063, June 8.
- Adelson, David E., Berkeley, and H. Dannenberg, Berkeley Highlands, assignors to Shell Development Company, San Francisco, Calif. Resinous polymers of unsaturated etheral esters. 2,440,237, Apr. 27.
- Adelson, David E., Berkeley, and H. Dannenberg, Berkeley Highlands, assignors to Shell Development Company, San Francisco, Calif. Compositions of polymeric plasticizers and organic plastic materials. 2,446,121, July 27.
- Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors, to Shell Development Company, San Francisco, Calif. Production of polymeric beta, gamma-olefinic alcohols. 2,455,722, Dec. 7.
- Adelson, Samuel L., assignor to Inflico Incorporated, Chicago, Ill. Rate of flow telemetering actuator. 2,439,121, Apr. 6.
- Adhesive Products Company, assignee: *See*—
Redfern, Donald V.
- Adlake Company, The, assignee: *See*—
Larson, Carl H.
- Adler, Carl, Wickliffe, Ohio. Sine angle plate. 2,447,889, Aug. 24.
- Adler, Charles, Jr., Baltimore, Md. Position light. 2,447,302, Aug. 17.
- Adler, Erich, assignor to Stockholms Superfosfor Fabriks Aktiebolag, Stockholm, Sweden. Process for producing trans-1,2-dichloroethylene. 2,440,997, May 4.
- Adler, Leon, St. Louis, Mo. Spotting paste. Re. 23,037, Sept. 7.
- Adler, Leon, H. G. Johnson, and B. J. Schneider, assignors to Dyestuffs & Chemicals, Inc., St. Louis, Mo. Oleomargaine coloring unit. 2,454,420, Nov. 23.
- Adler, Melvin S., Chicago, Ill. Electrical wall outlet. 2,437,802, Mar. 16.
- Adler, Orville E., Niles, Mich., assignor to National-Standard Company. Rubber coated steel object. 2,435,191, Feb. 3.
- Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electromechanical vibrator. 2,435,487, Feb. 3.
- Adler, Solomon, Kew Gardens, N. Y. Bobbin winder for sewing machines. 2,455,638, Dec. 7.
- Admiraal, Daniel J. H., Eindhoven, Netherlands, assignor to General Electric Company. Glow discharge switch. 2,449,632, Sept. 21.
- Admiral Corporation, assignee: *See*—
Dadson, Thomas E.
Iwashita, George K.
Morton, Evans T.
- Adrian, Paul F., Worcester, Mass. Internal micrometer gauge. 2,435,263, Feb. 3.
- Adsorptive Process Company, assignee: *See*—
Smith, Arthur D.
- Advance Transformer Co., assignee: *See*—
Feinberg, Albert E.
Kirkpatrick, Henry O.
- Advertisers' Service Division Incorporated, The, assignee: *See*—
Gewirtzman, Morris.
- Aeppli, Albert, assignor to Maag-Zahnrad und Maschinen Aktiengesellschaft, Zurich, Switzerland. Machine for grinding tooth flanks by means of profile generating discs. 2,438,138, Mar. 23.
- Aeration Processes, Inc., assignee: *See*—
Getz, Charles A.
- Aeres, Paul, New York, N. Y. Thermostatic electrically heated comb. 2,457,621, Dec. 28.
- Aerial Products, Inc., assignee: *See*—
Beattie, John O.
- Aero Supply Mfg. Co. Inc., assignee: *See*—
Beatty, Robert J. A.
- Aero Zipp Fasteners Limited, assignee: *See*—
Engel, Erich.
Engel, Erich, and Salamon.
- Aerofin Corporation, assignee: *See*—
Noble, Milner.
- Aeroll Product Company, assignee: *See*—
Kittel, George P., and Wollner.
- Aerojet Engineering Corporation, assignee: *See*—
Mace, Harry W., and Chamberlain.
Mayer, Waldemar F.
Miller, Fred S.
Stosick, Arthur J.
Vogt, Ernest J.
Zwicky, Fritz, Ewing, Carter, and Stosick.
- Aeronca Aircraft Corporation, assignee: *See*—
Chaille, Charles J.
- Aeroquip Corporation, assignee: *See*—
Deming, Mark A.
Main, Benjamin A., Jr.
Main, Donald W.
- Aerovox Corporation, assignee: *See*—
Gillin, Francis O.
- Aeschlimann, John A., Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Aryl esters of tertiary carbamic acid. 2,449,440, Sept. 14.
- Aetna-Standard Engineering Company, The, assignee: *See*—
Strock, Donald V.
- Affleck, Theodore H., North Hollywood, assignor, by mesne assignments, to W. A. Cooke, Hollywood, Calif. Fingerprint control for tractor-trailer air brake systems. 2,451,268, Oct. 12.
- Africano, Alfred, Cumberland, Md., assignor to the United States of America, as represented by the Secretary of War. Powder tester. 2,448,203, Aug. 31.
- Agate, Charlton S., Esher, and A. H. Cooper, Iver, assignors to Electric & Musical Industries Limited, Hayes, England. Radio direction finding system. 2,456,666, Dec. 21.
- Agency Electric Co., assignee: *See*—
Walsh, John P.
- Agens, Maynard C., Schenectady, N. Y., assignor to General Electric Company. Methyl siloxane elastomers. 2,448,756, Sept. 7.
- Agicide Laboratories, Inc., assignee: *See*—
Van der Pyl, Edward.
- Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Self-synchronous signalling system. 2,439,414, Apr. 13.
- Agnew, A. Gifford: *See*—
De Simone, Michele G.
- Agostinelli, Joseph, Detroit, Mich. Heel counter reenforcement. 2,456,102, Dec. 14.
- Agra, Arthur G., Chicago, Ill. Toilet. 2,449,441, Sept. 14.
- Agra, Arthur G., Chicago, Ill. Trailer toilet. 2,449,442, Sept. 14.
- Agren, Carl G., Roberts, Idaho. Portable loading ramp. 2,449,829, Sept. 21.
- Agriculture, The United States of America as represented by the Secretary of, assignee: *See*—
Alderton, Gordon, and Fevold.
Ambler, Joseph A., and Curl.
Ault, Waldo C., and Schaeffer.
Balch, Royal T.
Barthel, William F.
Beckel, Arthur C., Belter, and Smith.
Beckel, Arthur C., De Voss, Belter, and Smith.
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Broeg, Charles B., and Balch.
Couch, James F., and Krewson.
Cowan, John C., Falkenburg, Teeter, and Skell.
Dexter, Gregory M., and Thurber.
Dimler, Robert J.
Dunning, John W., and Lathrop.
Eskew, Roderick K.
Evans, Cyril D., and Manley.
Fein, Martin L., and Fisher.
Fevold, Harry L., and Dimick.
Filachione, Edward M., and Fisher.
Fisher, Charles H., and Fein.
Fraenkel-Conrat, Heinz L., Humfeld, Lewis, Dimick, and Olcott.
Gertler, Samuel I., and Haller.
Goldthwait, Charles F., and Smith.
Hanrahan, Francis P.
Hemmeter, George T.
Hepting, George H.
Jansen, Eugene F., and Lineweaver.
Jones, Chase B., and Mecham.
Jones, Edwin P.
Kester, Ernest B., and Preusser.
La Forge, Frederick B.
Lathrop, Elbert C., and Aronovsky.
Le Mense, Elmer H., and Van Lanen.
Lindquist, Arthur W., Husman, and Schroeder.
Lockwood, Lewis B., and Stodola.
Loughborough, William K.
MacDowell, Louis G., Moore, and Atkins.
MacLay, William D., Shepherd, McCready, and Graham.
MacMasters, Majel M., and Hilbert.
Mast, William C.
Mast, William C., Rehberg, and Fisher.

- Agriculture, The United States of America, as represented by the Secretary of, assignee: *See—Continued.*
 McGovran, Edward R., Mayer, and Talley.
 McCready, Rolland M., Owens, and MacLay.
 Mehlretter, Charles L.
 Milleville, Howard P.
 Moyer, Andrew J.
 Murray, Charles W.
 Naghski, Joseph, White, and Hoover.
 Nichols, Peter L., Jr., and Hamilton.
 O'Connell, Richard A., Jr.
 Olcott, Harold S., and Fraenkel-Conrat.
 Olcott, Harold S., and Lewis.
 Owens, Harry S., and MacLay.
 Philipp, Howard J.
 Porges, Nandor, Pollard, and Spadaro.
 Rehberg, Chessie E.
 Rehberg, Chessie E., and Fisher.
 Rehberg, Chessie E., Mast, and Fisher.
 Riemenschneider, Roy W., and Turer.
 Roberts, Earl J., Ambler, and Curl.
 Rose, William G.
 Sanderson, William J.
 Savich, Theodore E., and Goldblatt.
 Schaeffer, Benjamin B.
 Schniepp, Lester E.
 Schomer, Harold A.
 Schomer, Harold A., and Hamner.
 Snow, Albert G., Jr., and Lanier.
 Stevenson, Elmer C., and Mitchell.
 Swern, Daniel, and Ault.
 Swern, Daniel, and Billen.
 Swern, Daniel, and Findley.
 Swern, Daniel, and Scanlan.
 Tanner, Fred W., Jr., and Van Lanen.
 Tanner, Fred W., Jr., Wickerham, and Van Lanen.
 Teeter, Howard M., and Cowan.
 Tucker, Irwin W., and Balls.
 Wall, Monroe E., and Kelley.
 Watson, Paul D.
 Woodward, Charles F., Saunders, and Provost.
- Aguilar, Ramon, and T. Svaicari, New York, N. Y. Five outlet electric plug. 2,443,367, June 15.
 Ahlgren, William E., Burlingame, Calif. Lacing beveller. 2,434,307, Jan. 13.
 Ahnrdt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat tendering machine. 2,457,622, Dec. 28.
 Aiken, Elmer W., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Condenser tester. 2,450,872, Oct. 12.
 Aikens, Andrew J., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna system. 2,443,529, June 15.
 Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor mechanism. 2,437,341, Mar. 9.
 Ailinger, Jeremiah F., Dorchester, Mass. Slide rule. 2,445,464, July 20.
 Aiman, Rolland B., Pendleton, Ind. Lubricating system for adjustable multiple spindle drill head. 2,452,709, Nov. 2.
 Aimes, Francis M., Yonkers, N. Y. Drive control for air powered apparatus. 2,451,706, Oct. 19.
 Ainsworth, Albert A., Savannah, Ga., C. A. Ainsworth, executrix of said A. A. Ainsworth, deceased, assignor to C. A. Ainsworth, Savannah, Ga. Picture corner mount. 2,451,646, Oct. 19.
 Ainsworth, Clara A., executrix, assignee: *See—*
 Ainsworth, Albert A.
 Ainsworth, Harold W., Galloway, Ohio, assignor to The Jeffrey Manufacturing Company. Electric control circuit. 2,450,216, Sept. 28.
 Air Control Products, Inc., assignee: *See—*
 Babcock, Kenneth L., and Leigh.
 Aircraft Hydraulics, Inc., assignee: *See—*
 Berger, Alexandre.
 Aircraft-Marine Products, Inc., assignee: *See—*
 Carlson, Vernon E.
 Johnson, James O.
 Macy, James C.
 Neijstrom, Kenneth.
 Swengel, Robert C.
 Aircraft Mechanics Inc., assignee: *See—*
 Robins, Jack B.
 Aircraft Radio Corporation, assignee: *See—*
 Drake, Frederick H.
 Aircraft Screw Products Company, Inc., assignee: *See—*
 Geertsma, Kenneth B.
 Aircraft Tools, assignee: *See—*
 Glanz, Joseph J.
 Airdesign, Incorporated, assignee: *See—*
 Pamphilon, Leon E.
 Airex Manufacturing Company, Inc., assignee: *See—*
 Solovioff, Nicholas N., and Kling.
 Air-Flo Compressor Company, The, assignee: *See—*
 Fischer, William V.
 Air-Maze Corporation, assignee: *See—*
 Brown, Richard E.
 Glanzer, Clarence J.
 Walton, George M.
 Air Preheater Corporation, The, assignee: *See—*
 Gates, Robert M.
 Karlsson, Per H., and Lundstrom.
- Air Products Incorporated, assignee: *See—*
 Anderson, Carl R.
 Air Reduction Company, Incorporated, assignee: *See—*
 Anderson, James L.
 Balcar, Frederick R.
 Duvall, Samuel.
 Goerg, Walter.
 Hamilton, James K.
 Heidbrink, Jay A.
 Heidbrink, Jay A., and Herrick.
 Heidbrink, Jay A., Michaelson, and Hay.
 Helmkamp, Richard F.
 Hoover, Charles O.
 Hughey, Howard G.
 Klinke, Henry O.
 Krohn, Emil F.
 Miller, Hoke S.
 Schneider, Robert H.
 Tyrner, Joseph M.
 Vance, Robert M., and Horney.
 Yoch, August H., and Rice, Jr.
- Air Supply Packs Proprietary Limited, assignee: *See—*
 Campbell, Edward R., Frewin, Lennox, and Morris.
 Air-way Electric Appliance Corporation, assignee: *See—*
 Nuffer, Joseph H., and Latta.
 Aitcheson, Thomas G., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Control knob and associated structure. 2,444,485, July 6.
 Aitken, William J., Manitowoc, Wis. Electric control switch. 2,448,650, Sept. 7.
 Ajax Electrothermic Corporation, assignee: *See—*
 Kennedy, Theodore R.
 Ajax Engineering Corporation, assignee: *See—*
 Tama, Mario.
 Ajax, Eric J., Minneapolis, Minn. Wire hatrack. 2,444,322, June 3.
 Ajax Iron Works, assignee: *See—*
 Mueller, Herman G.
 Ajax Thermostatic Controls Co., The, assignee: *See—*
 Schickler, Albert C.
 Ajdukovich, George, St. Louis, Mo. Hernial truss. 2,434,088, Jan. 6.
 Ake, William J., Cincinnati, Ohio. Violin bridge. 2,454,113, Nov. 16.
 Aker, Evender S., deceased, West Point Pleasant, N. J.; F. L. Aker, executrix. Noiseless rudder post bearing. 2,448,651, Sept. 7.
 Aker, Florence L., executrix: *See—*
 Aker, Evender S.
 Akerman, John D., assignee, et al.: *See—*
 Boeringer, Barbara S.
 Akerman, John D., and M. Schonberg, Minneapolis, Minn. Differential pressure valve. 2,449,683, Sept. 21.
 Akerman, Walter, Dover, N. H. Weather vane. 2,447,224, Aug. 17.
 Akers, Herbert S., Woodcliff Lake, N. J. Tube stand for X-ray apparatus. 2,434,827, Jan. 20.
 Akert, Carl A., Chicago, Ill. Indicator mounting bracket. 2,447,624, Aug. 24.
 Akin, Otha A.: *See—*
 Jones, Graves M., and Akin.
 Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Telephoto lenses. 2,441,093, May 4.
 Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Camera lens. 2,446,402, Aug. 3.
 Akron Standard Mold Company, assignee: *See—*
 Bostwick, Henry C.
 Akron Standard Mold Company, The, assignee: *See—*
 Brundage, James W.
 Akslen, John, Minneapolis, Minn. Corner assembly and fastening means for knockdown counters and the like. 2,437,235, Mar. 9.
 Aktiebolaget Astra, Apotekarnes Kemiska Fabriker, assignee: *See—*
 Löfgren, Nils M., and Lundqvist.
 Aktiebolaget Atlas Diesel, assignee: *See—*
 Pyk, Herman T., and Camner.
 Thege, Edwin O. P.
 Aktiebolaget Elektrolux, assignee: *See—*
 Karlstrom, Fredrik J. R.
 Widell, Nils E.
 Aktiebolaget Ferrosan, assignee: *See—*
 Rosdahl, Karl-Gustaf.
 Aktiebolaget Fr. Ramtorn, assignee: *See—*
 Ekberg, Gunnar J. E. and O. L.
 Aktiebolaget Gotaverken, assignee: *See—*
 Johansson, Johan E.
 Aktiebolaget Hadar Schmidt, assignee: *See—*
 Oden, Knut.
 Aktiebolaget Imo-Industri, assignee: *See—*
 Montelius, Carl O. J.
 Aktiebolaget Linham, assignee: *See—*
 Frunk, Otto E.
 Aktiebolaget Ljungman Verkstäder, assignee: *See—*
 Eklund, Hans E.
 Aktiebolaget Pharmacia, assignee: *See—*
 Grönwall, Anders J. T., and Ingelman.
 Aktiebolaget Recip, assignee: *See—*
 Carlsson, Sven.
 Aktiebolaget Separator, assignee: *See—*
 Eckers, Carl G.
 Aktiebolaget Separator-Nobel, assignee: *See—*
 Forsberg, Erik A.
 Lindgren, Hans O.

- Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Törnebohm, Hilding V.
- Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Broggi, Josef.
Brühlmann, Gottfried.
Eichenberger, Ernst.
Goldstein, Alexander.
Haller, Arnold.
Keller, Robert.
Keller, Hans, and Ehrensperger.
Meyerhans, August.
Stoecklin, Josef.
Thommen, Hans.
Uhlig, Edward.
Weier, Heinrich.
- Aktiengesellschaft der Eisen-und Stahlwerk vorm. Georg Fischer, Schaffhausen, assignee: *See*—
Von Zelewsky, Ottomar.
- Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Ackeret, Jakob.
Oechslin, Konrad.
Ruegg, Rudolf.
Salzmänn, Fritz.
Villiger, Eugen and B.
- Aktieselskabet Brødrene Hartmann, assignee: *See*—
Jahn, Jens S.
- Alabama Textile Engineering Company, Inc., The, assignee: *See*—
West, William H.
- Alamo Corporation, The, assignee: *See*—
Toelke, August F.
- Alaska Chemical Corporation, assignee: *See*—
Tandiorio, Sam.
- Alaska Pacific Salmon Company, assignee: *See*—
Hubbard, John W.
- Alba, Ralph T.: *See*—
Wallerstein, James S., and Alba.
- Alban, Clarence F., Pontiac, assignor to W. M. Chace Company, Detroit, Mich. Electrical resistor. 2,448,757, Sept. 7.
- Albanese, Michael, Rutherford, assignor to Columbia Proktosite Company, Inc., Carlstadt, N. J. Method and apparatus for molding wire core templates. 2,435,567, Feb. 10.
- Albero, Andrew, Delaware Gardens, N. J. Cooling and lubricating sewing machine needles. 2,453,827, Nov. 16.
- Albers, John R., Sioux City, Iowa, assignor to Wincharger Corporation. Balanced impeller structure for wind motors. 2,437,659, Mar. 9.
- Albert, Carl B., assignee: *See*—
Coney, James D.
- Albert, Daniel A., Richmond Hill, N. Y. Film tensioning holder for fluid processing. 2,450,178, Sept. 28.
- Albert, Eli: *See*—
Albert, Nathan, J. and E.
- Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Synthetic rubber composition containing a reaction product of sulfur dichloride, an aldehyde and an alkyl phenol. 2,445,737, July 20.
- Albert, Henry, Brooklyn, N. Y. Tool for removing container caps. 2,441,743, May 18.
- Albert, Jack: *See*—
Albert, Nathan, J. and E.
- Albert, Nathan, J., and E., New York, N. Y. Headwear. 2,449,633, Sept. 21.
- Albert, Robert M., Chicago, Ill. Rod clip. 2,449,830, Sept. 21.
- Albertson & Company, Inc., assignee: *See*—
Olsen, Gustav A.
- Albertson, Noel F.: *See*—
Archer, Sydney, and Albertson.
- Albertson, Noel F., East Greenbush, S. Archer, and C. M. Suter, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Alkyl esters of α -acylamino, α -cyano, β -(3-indole)-propionic acid. 2,451,310, Oct. 12.
- Albertson, Victor N., Minneapolis, Minn. Auto parts washer. 2,438,654, Mar. 30.
- Albi Manufacturing Company, Incorporated, assignee: *See*—
Jones, Grinnell J., and Soll.
- Albin, Frederick G., New York, N. Y., assignor to Radio Corporation of America. High-frequency dielectric heating apparatus. 2,442,451, June 1.
- Albin, Jeremiah W., Babylon, N. Y. Separable fastener. 2,446,070, July 27.
- Albin, Joseph, New York, N. Y. Aircraft flare. 2,449,540, Sept. 21.
- Albino, George, Waterbury, Conn. Shoe tree. 2,457,623, Dec. 28.
- Albon, Raoul M. G., assignor to Nytricia, Paris, France. Lady's undergarment. 2,440,922, May 4.
- Albree, George N., Winchester, Mass. Rearwardly striking firing mechanism. 2,451,527, Oct. 19.
- Albree, George N., Winchester, Mass. Scarfing machine. 2,454,114, Nov. 16.
- Albright, Robert B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Modulated-oscillator, phonograph transducer. 2,441,464, May 11.
- Alburn, Harvey E., West Chester, Pa., J. Charney, New York, N. Y., and F. W. Bernhart, Solon, Ohio, assignors to Wyeth Incorporated, Philadelphia, Pa. Peroral penicillin compositions. 2,438,106, Mar. 23.
- Alco Valve Company, assignee: *See*—
Dube, John E.
- Alcorn, Harvey A., Adair, Iowa. Teat draining tube. 2,450,217, Sept. 28.
- Aldeborgh, Erik H., Poughkeepsie, A. H. Emery, Wappingers Falls, J. J. Bishop, and E. M. Boat, assignors to Standard Gauge Company, Inc., Poughkeepsie, N. Y. Dial gauge for measuring small bores. 2,443,880, June 22.
- Aldeborgh, Erik H., Poughkeepsie, and A. H. Emery, Wappingers Falls, assignors to Standard Gauge Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,443,881, June 22.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle construction. 2,443,590, June 22.
- Alden, Milton, Brockton, Mass. Scanning unit. 2,457,113, Dec. 28.
- Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Valve. 2,441,094, May 4.
- Alderfer, Sterling W., Akron, Ohio. Elastic thread. 2,442,279, May 25.
- Alderfer, Sterling W., Akron, Ohio. Elastic thread and process of making same. 2,450,016, Oct. 12.
- Alderman, Elbert N., El Dorado, Kans. Flushing device for engine lubricating systems. 2,454,585, Nov. 23.
- Alderson, Witty L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insolubilizing hydrolyzed ethylene vinyl ester polymers. 2,448,946, Sept. 7.
- Alderson, Witty L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Long-chain secondary alkyl N-substituted polymeric styrene/maleamic acids and dispersions containing them. 2,451,370, Oct. 12.
- Alderson, Witty L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing ethylene polymers. 2,455,910, Dec. 14.
- Alderton, Gordon, Albany, and H. L. Fevold, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolating lysozyme from its naturally occurring mixtures with other biologic components. 2,442,452, June 1.
- Aldreany, Victor, Danbury, Conn. Movie camera attachment for making lap dissolves. 2,450,017, Oct. 12.
- Aldredge, Howard D., Dayton, Ohio. Die cushion. 2,441,539, May 11.
- Aldrich, Charles S.: *See*—
Westberg, Arthur H., and Aldrich.
- Aldrich, Clare A., Philadelphia, Pa. Shear-resisting joint element. 2,444,276, June 29.
- Aldridge, Seth E., San Diego, Calif. Ignition timer. 2,444,149, June 29.
- Aleks, Vyntant, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 2,439,376, Apr. 13.
- Aleks, Vyntant, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 2,457,624, Dec. 28.
- Alemaghides, Peter, Brooklyn, N. Y. Combination electric receptacle and fuse. 2,454,024, Nov. 16.
- Alexander, Albert M., Havre de Grace, Md. Automatic firearm feed mechanism. 2,436,370, Feb. 24.
- Alexander, Carl Z., Springfield, N. J. Storage water heater having a heating chamber and flue. 2,440,998, May 4.
- Alexander, Cecil D., and S. Gibson, Irvine, assignors to British Textile Manufacturing Company Limited, Irvine, Ayrshire, Scotland. Power-operated flat frame knitting machine. 2,434,782, Jan. 20.
- Alexander, Charles E., Raleigh, N. C. Logging cart. 2,443,972, June 22.
- Alexander, Focaneann, Flushing, assignor of one-half to A. Lavenburg, New York, N. Y. Gaseous discharge device. 2,438,356, Mar. 23.
- Alexander, Frank M., Denver, Colo. Milk bottle closure. 2,442,745, June 8.
- Alexander, James R., D. Burton, and F. Hausmann, assignors to William Walker and Sons Limited, Bolton, England. Plasticized urea-formaldehyde resin. 2,443,368, June 15.
- Alexander, James R., D. Burton, and F. Hausmann, assignors to William Walker & Sons, Limited, Bolton, England. Melamine-formaldehyde resins plasticized with alkali lactate. 2,446,991, Aug. 17.
- Alexander, Lloyd, assignee, et al.: *See*—
Hensley, Urban N.
- Alexander, Paul, Berkhamsted, England. Method of and apparatus for depositing substances by thermal evaporation in vacuum chambers. 2,440,135, Apr. 20.
- Alexander, Paul, Berkhamsted, England. Process and apparatus for depositing metals on a support by thermal evaporation in a vacuum. 2,444,763, July 6.
- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Method of producing lithium hydride and hydrides of other alkali metals. 2,450,268, Sept. 28.
- Alexander, Samuel T., Redondo Beach, assignor of one-third to P. E. Richardson, Los Angeles, Calif. Door check. 2,447,673, Aug. 24.
- Alexander, William W., Atlanta, Ga. Moving-picture projection screen. 2,435,620, Feb. 10.

- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency wave transmitting apparatus. 2,438,735, Mar. 30.
- Alexanderson, Ernst F. W., A. H. Mittag, Schenectady, N. Y., and M. W. Sims, Fort Wayne, Ind., assignors to General Electric Company. Electric frequency transformation system. 2,451,189, Oct. 12.
- Alexanderson, Ernst F. W., and F. G. Patterson, Schenectady, N. Y., assignors to General Electric Company. Radio landing apparatus. 2,451,793, Oct. 19.
- Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine control. 2,453,650, Nov. 9.
- Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Throttle control for aircraft engines. 2,453,652, Nov. 9.
- Alexanderson, Howard A., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,453,653, Nov. 9.
- Alfandre, Harry, Jamaica, N. Y. Strap assembling apparatus. 2,455,545, Dec. 7.
- Alford, Andrew, Cambridge, Mass., assignor to Mackay Radio and Telegraph Company, New York, N. Y. Matching network. 2,299,393, Apr. 20.
- Alford, Andrew, New York, N. Y., and C. B. Watts, Jr., East Orange, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Unidirectional antenna system. 2,434,893, Jan. 27.
- Alford, Andrew A., Oakville, Manitoba, Canada. Surgical instrument. 2,443,439, June 15.
- Alford, Harold W., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical apparatus for gaseous discharge devices. 2,446,152, July 27.
- Alford, William H., Winston-Salem, N. C. Multiplex jack and plug. 2,434,534, Jan. 13.
- Alfred, Lawrence W.: *See*—
Merrill, Marcellus S., and Alfred.
- Alfthan, Johannes, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of nonporous polytetrafluoroethylene articles. 2,440,190, Apr. 20.
- Alger, Harley C., Chicago, Ill. Type for gravure printing. 2,456,608, Dec. 21.
- Algin Corporation of America, assignee: *See*—
Le Gloabec, Victor C. E.
- Alginate Industries Limited, assignee: *See*—
Johnson, Arthur, and Speakman.
- Alheit, Henry A., Milton, Mass. Ice-cream cutting and discharging device. 2,444,486, July 6.
- Alh  rit  re, Louis, M., assignor to Les Usines De Melle (Soci  te Anonyme), Saint-L  ger-les-Melle, France. Manufacture of aldoles. 2,442,280, May 25.
- Alick, James, New York, N. Y. Extensible drill press. 2,434,732, Jan. 20.
- Alifano, Antonio, Brooklyn, and N. M. Porreca, Woodside, N. Y. Edge cutter attachment for sewing machines. 2,443,369, June 15.
- Alk, Abraham, Paterson, N. J. Hand press. 2,448,288, Aug. 31.
- Alkan, Robert, Locust Valley, N. Y., assignor to Specialties, Inc. Gyroscope erecting and caging mechanism. 2,441,307, May 11.
- Alkan, Robert, and A. Raspet, Locust Valley, N. Y., assignors to Specialties, Inc. Skid indicator for aircraft. 2,441,306, May 11.
- Alison, Noah L., Phoenix, Ariz., assignor to The American Blower Corporation, Detroit, Mich. Dump valve for hydraulic couplings. Re. 22,975, Feb. 24.
- All American Aviation, Inc., assignee: *See*—
Ballard, Hyde W.
Boyer, Talor M., and Gottschall.
Cotton, Robert B.
Doollittle, Donald B.
Rose, Herbert E.
Schultz, Arthur B.
Seevers, Don V.
Setz, Walter H.
- Allan, John, Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Phenol-aldehyde molding compositions. 2,452,420, Oct. 26.
- Allan, William G.: *See*—
Wright, Harold R., and Allan.
- Allard, Marc L., Valenciennes, assignor to Soci  t   Anonyme des Forges et Aci  ries du Nord & de l'Est, Paris, France. Manufacture of basic steel of low phosphorus content. 2,440,564, Apr. 27.
- Allard, Pierre J. T., Chantilly, assignor to Soci  t   Francaise De Construction De Bennes Automatiques, Persan (Seine-et-Oise), France. Hoisting apparatus. 2,453,082, Nov. 2.
- Aldredge, Marshall H., Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Making tie rod socket assemblies. 2,443,712, June 22.
- Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Nursing unit with retractable container therefor. 2,446,451, Aug. 3.
- Allen, Adda M., Arlington, Va., assignor to Disposable Bottle Corporation, Washington, D. C. Nursing unit. 2,448,569, Sept. 7.
- Allen, Arthur C., assignor to Stewart-Warner Corporation, Chicago, Ill. Absolute pressure gauge. 2,437,371, Mar. 9.
- Allen-Bradley Company, assignee: *See*—
Glogau, Manfred L.
Matthias, Lynn H.
Megow, George E. and Thomson.
- Allen, Charles, Oldham, England. Nozzle for using pressure under liquids. 2,442,991, June 8.
- Allen, Charles F. H., C. V. Wilson, and G. F. Frame, assignors to Eastman Kodak Company, Rochester, N. Y. Sulfonamido disazo dye. 2,448,853, Sept. 7.
- Allen, Charles F. H., Rochester, N. Y., and A. Bell, Knoxville, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sulfamyl-2-mercaptobenzothiazoles. 2,450,777, Oct. 5.
- Allen, Clarence G., Malden, assignor to Differentiator, Inc., Boston, Mass. Device for eliminating dead-heat decisions in racing. 2,443,572, June 15.
- Allen, Earl F.: *See*—
Allen, Oliver L., and E. F.
- Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,444,323, June 29.
- Allen, Earl M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Trap circuit control for railway signals. 2,448,570, Sept. 7.
- Allen, Edward J., assignor to The Leece-Neville Company, Cleveland, Ohio. Electrical connector. 2,437,180, Mar. 2.
- Allen, Elmo W., assignor to Stan-Wall Manufacturing Company, Fresno, Calif. Tongue stabilizer for vehicles. 2,452,710, Nov. 2.
- Allen, Francis P., Beaumont, Tex. Beverage device. 2,450,177, Sept. 28.
- Allen, Frank B.: *See*—
Cahusac, Clarence N., and Allen.
- Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Inflation. 2,444,717, July 6.
- Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Squeeze grip for portable fire extinguishers. 2,454,621, Nov. 23.
- Allen, Frank M., Azusa, and C. B. Taylor, Long Beach, assignors to The All-Flex Corporation, Los Angeles, Calif. Flexible pipe coupling with fluid-supported packing. 2,444,868, July 6.
- Allen, Frank M., Azusa, and R. E. Snyder, Pasadena, assignors to The All-Flex Corporation, Los Angeles, Calif. Flexible tubing joint. 2,451,269, Oct. 12.
- Allen, Harold E., Akron, Ohio, assignor to The Bristol Company, Waterbury, Conn. Process cycle controller. 2,442,835, June 8.
- Allen, Harry L., and H. G. Kleinguenther, Philadelphia, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of paracomaronene type resins from polymerized resin oils. 2,445,654, July 20.
- Allen, Harry L., and H. G. Kleinguenther, Philadelphia, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Distillation of sulfuric acid treated hydrocarbon oils. 2,445,655, July 20.
- Allen, Harry L., and G. J. Skriver, Philadelphia, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Making oils from acid sludges resulting from the sulfuric acid purification of coal tar distillates. 2,449,093, Sept. 14.
- Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Hadonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Complex resins and making. 2,456,357, Dec. 14.
- Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Hadonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Thermoplastic resins and making. 2,456,358, Dec. 14.
- Allen, Harry W., Dayton, Ohio. Automatic braking device. 2,438,887, Apr. 6.
- Allen, Herbert, assignee: *See*—
Shimek, Edwin J.
- Allen, Herbert, and M. T. Works, assignors to Cameron Iron Works, Houston, Tex. Packing. 2,444,216, June 29.
- Allen, Herbert E., Canton, N. Y. Portable drill tree tapping machine. 2,434,089, Jan. 6.
- Allen, Herbert W., Fresno, Calif. Telescope stand. 2,448,406, Aug. 31.
- Allen, Herman C.: *See*—
Arlente, Peter J., and Allen.
- Allen, Howard B., Jr., Chatham, assignor to National Union Radio Corporation, Newark, N. J. Cathode for electronic discharge devices. 2,455,287, Nov. 30.
- Allen, Howard E., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Incandescent electric lamp and method. 2,434,478, Jan. 13.
- Allen, Ivis J., Ypsilanti, Mich. Multicylinder fuel injection pump. 2,439,879, Apr. 20.
- Allen, John E., Baltimore, Md. Magnetic clutch. 2,453,957, Nov. 16.
- Allen, John R., assignor to Manganese Products, Inc., Seattle, Wash. Treating intermediate manganese siliceous ores. 2,451,647, Oct. 19.
- Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Co. Litter roof. 2,436,348, Feb. 17.
- Allen, Joseph F., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Cutter life calculator. 2,445,381, July 20.

- Allen, Juanita H. : *See*—
Allen, La Bron R. and J. H., and Kabitsch.
Allen, Kenneth R. : *See*—
Goodwin, Carl W., and Allen.
Allen, La Bron R. and J. H., and R. L. Kabitsch, assignors to Signet, Ltd., Cincinnati, Ohio. Tab reminder device. 2,452,217, Oct. 26.
Allen, Lini, Berkeley, Calif. Pictorial display device. 2,440,062, Apr. 20.
Allen, Louis N., Jr., Short Hills, N. J., and W. K. Zahray, Bronx, assignors to Chemical Construction Corporation, New York, N. Y. Treatment of iron sulfate liquors. 2,440,215, Apr. 20.
Allen, Mannie, Brooklyn, N. Y. Waterproof mail bag cover with protected opening. 2,436,369, Feb. 24.
Allen, Neal C. S., Bennington, Vt. Fruit juice extractor. 2,454,905, Nov. 30.
Allen, Oliver L., Pleasantville, and E. F. Allen, Briar Cliff Manor, N. Y., assignors, by mesne assignments, to E. J. Panish, doing business as Panish Controls, Bridgeport, Conn. Control for motor boats and the like. 2,444,324, June 29.
Allen, Paul E., Skokie, assignor to Baby's Pal Company, Chicago, Ill. Bottle holder. 2,450,927, Oct. 12.
Allen, Raney R., Dayton, Ohio. Reel assembly. 2,434,479, Jan. 13.
Allen, Raney R., Dayton, Ohio. Draftsman's instrument. 2,443,672, June 22.
Allen, Rex W., Palisades, assignor to Camloc Fastener Corporation, New York, N. Y. Locking means for fastener studs. 2,438,028, Mar. 16.
Allen, Richard T., Kansas City, Mo., assignor to V. J. Vincent, Lawrence, Kans. Bottling machine. 2,443,757, June 22.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blading. 2,454,115, Nov. 16.
Allen, Sidney : *See*—
Lindsey, William H., and Allen.
Allen, Wallace T., Dearborn, assignor to Square D Company, Detroit, Mich. Calculator. 2,443,882, June 22.
Allen, Walter H., Birmingham, England, assignor to Sandvik Steel Incorporated, New York, N. Y. Transferring heat to or from material on band conveyors. 2,437,492, Mar. 9.
Allenby, William F., Stratford, assignor to Casco Products Corporation, Bridgeport, Conn. Hand-held power tool. 2,436,540, Feb. 24.
Allentown National Bank, executor, et al. *See*—
Schneider, Adolph P.
Aller, Willis F. : *See*—
Polk, Louis F., and Aller.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,446,071, July 27.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Apparatus for arranging, gauging, and assorting articles according to size. 2,448,652, Sept. 7.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,448,653, Sept. 7.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Fluid meter. 2,457,297, Dec. 28.
Alles, Francis P., North Plainfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having antihalation layer composed of vinyl pyridine polymer with vinyl-pyridine polymer sublayer and outer protective layer. 2,448,507, Sept. 7.
Alles, Francis P., North Plainfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having a silver halide layer and an antihalation layer on a polyvinylpyridine layer. 2,448,508, Sept. 7.
Alley, Harold R., Northbrook, and B. F. Freeberg, Chicago, Ill. Producing mercury electrolytically from acid solutions. 2,440,238, Apr. 27.
Alley, Harold R., Northbrook, and B. F. Freeberg, Chicago, Ill. Apparatus for purifying metallic mercury. 2,440,456, Apr. 27.
All-Flex Corporation, The, assignee : *See*—
Allen, Frank M., and Snyder.
Allen, Frank M., and Taylor.
Alliance Manufacturing Company, The, assignee : *See*—
Schneider, Emmor V.
Alliance Porcelain Products Company, The, assignee : *See*—
Chesney, Robert M.
Allied Chemical & Dye Corporation, assignee : *See*—
Adams, James F.
Allen, Harry L., and Kerr.
Allen, Harry L., and Kleinguenther.
Allen, Harry L., and Skriver.
Bamberger, Curt.
Beckham, Leland J.
Beckham, Leland J., and Fessler.
Cline, Edwin L.
Collins, George T.
Cosby, John N.
Donleavy, John J., and Baizer.
Engel, Karl H.
Erickila, Armas V., and Hoare.
Allied Chemical & Dye Corporation, assignee : *See*—
Continued.
Exum, Raymond E.
Flett, Lawrence H.
Gilbert, Everett E., and Segool.
Gumaer, Percy W.
Hopkins, Abner C., Jr., Stephenson, and Watson.
Hoyt, Lester F.
Jennings, William S., and Rowland.
Kern, Jean G.
Mueller, Max B.
Pollica, George K.
Porter, Frank.
Porter, Frank, and Nesty.
Robinson, Richard S.
Stevenpiper, Frederic L.
Stasse, Henry L.
Stebbins, John D.
Stetson, Robert S.
Sutherland, Leslie T.
Sweet, Alvin J.
Teeters, Wilber O., and Mueller.
Tiddy, William.
Tryon, Sager, and de Benneville.
Tweit, Olav M.
Wahl, Eugene A.
Waldron, John W.
Weber, Edward.
Wilputte, Louis.
Allied Control Company, Inc., assignee : *See*—
Horman, John H.
Steinback, Herbert D.
Allied Electric Products, Inc., assignee : *See*—
Weisberg, Sidney M.
Allied Products Corporation, assignee : *See*—
Richard, Bernard O.
Allin, George S., assignor to Isaacson Iron Works, Seattle, Wash. Scraper. 2,445,053, July 13.
Allin, George S., assignor to Isaacson Iron Works, Seattle, Wash. Scraper. 2,447,455, Aug. 17.
Alling, E. Roy, Kenmore, and J. C. Knepfar, said Knepfar assignor to Rice and Adams Corporation, Tonawanda, N. Y. Preinsulating apparatus for container washers. 2,456,040, Dec. 14.
Allingham, Wilber J., Denver, Colo. Lecithin composition. 2,447,726, Aug. 24.
Allis-Chalmers Manufacturing Company, assignee : *See*—
Allen, Robert C.
Bonham, Albert W., Jr.
Bruce, William H., and Erskine.
Cobb, Carroll F., Brill, and Guenther.
Dahlstrand, Hans P.
Ferguson, Rector C.
Frudden, Conrad E.
Harrer, Paul H.
Higgins, Arthur K.
Johnson, John A.
Johnson, Lauren L.
Kamlookhine, Igor A.
Kleiner, George J., and Schumbacker.
Lerstrup, Karl.
Newhouse, Ray C.
O'Harrow, Charles T.
Picksley, William M.
Ray, James L.
Rockwood, Charles H., and Sikorra.
Roubal, Alexander J.
Scranton, Charles J.
Van Zandt, Claiborne C.
Wilson, William F.
Allis, Louis, Company, The, assignee : *See*—
Wieseman, Theodore R.
Allison Company, The, assignee : *See*—
Allison, Hugh V.
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Making abrasive cutoff wheels. 2,457,516, Dec. 28.
Allison, Ira E., McLoud, Okla. Hay baler. 2,450,928, Oct. 12.
Allison, John L. : *See*—
Busignies, Henri G., and Allison.
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Reactance device. 2,446,624, Aug. 10.
Allison, William D. : *See*—
Wickersham, Marshall E.
Allison, William D., Detroit, Mich. Wheel supporting structure. 2,435,814, Feb. 10.
Allmänna Svenska Elektriska Aktiebolaget, assignee : *See*—
Arnemo, Helge.
Arvidsson, Algot.
Krabbe, Ulrik.
Lamm, Uno.
Stålhamre, Bertil.
Allnutt, Ralph B., Glen Echo Heights, Md., and R. T. McGoldrick, Brooklyn, N. Y. Torsional oscillation generator. 2,452,031, Oct. 26.
Allover Manufacturing Co., assignee : *See*—
Schultz, Julius.

- Allphin, Willard J., Danvers, Mass., assignor to Sylvania Electric Products, Inc., Salem, Mass. Electric lamp. 2,449,268, Sept. 14.
- Allshouse, Harlow E.: *See*—
Buttner, William C., and Allshouse.
- Alltools, Limited, assignee: *See*—
Graves, Arnold, and Dawes.
- Allwein, Aloysius F., assignor to The Brown Instrument Company, Philadelphia, Pa. Flowmeter. 2,451,425, Oct. 12.
- Allyn, Welch, Inc., assignee: *See*—
Allyn, William N.
- Allyn, William N., assignee: *See*—
Long, Walter K.
- Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Diagnostic instrument for examining the eye. 2,453,887, Nov. 16.
- Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Optical instrument for examining and measuring characteristics of the eye. 2,453,888, Nov. 16.
- Alm, J. T., assignee: *See*—
Sauer, Christian H.
- Alma, Gerrit H. P., H. Cohen, and H. J. Landsbergen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mixing tube. 2,442,576, June 1.
- Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Shot blasting nozzle. 2,439,032, Apr. 6.
- Almendinger, Charles E., and E. L. Behrens, Prospect, Ohio. Burial vault transporting and lowering apparatus. 2,444,690, July 6.
- Almquist, Milton L., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Two-way carrier wave telephone system. 2,440,239, Apr. 27.
- Alpak, assignee: *See*—
Crane, Walton B.
- Alpers, Henry, Columbus, Nebr. Screw and toggle adjusted wrench and clamp. 2,452,625, Nov. 2.
- Alquist, Francis N.: *See*—
Sexton, Arthur R., and Alquist.
- Alrose Chemical Company, assignee: *See*—
Weisberg, Mark, Stevenson, and Beer.
- Alsop, Samuel, Meriden, Conn. Filter. 2,435,115, Jan. 27.
- Alstrom, Albert L., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Stator mounting for flywheel magnetos. 2,433,881, Jan. 6.
- Alstrom, Albert L., Longmeadow, and A. L. Brownlee, assignors to Wico Electric Company, West Springfield, Mass. Flywheel magneto. 2,447,727, Aug. 24.
- Altamura, Mario S., Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Amides from sulfonyl fluorides. 2,450,863, Oct. 5.
- Altenburg, Wilford, San Francisco, Calif. Spring winding device. 2,436,707, Feb. 24.
- Alter, Harry, Company, The, assignee: *See*—
Cahenzli, Martin T., Jr.
- Alter, Harry A., assignor to the W. W. Boes Company, Dayton, Ohio. Electrical measuring instrument. 2,456,667, Dec. 21.
- Alter, Joseph, Long Branch, N. J. Device for facilitating circuit design. 2,446,993, Aug. 17.
- Altman, Fred E., and R. W. McIntyre, assignors to Eastman Kodak Company, Rochester, N. Y. Astronomical photographic objectives. 2,443,156, June 8.
- Altman, Otto, Port Chester, N. Y. Safety transmission for vending machines and the like. 2,449,043, Sept. 14.
- Alton, Thomas, Elwick, West Hartlepool, England. Ventilator for enclosed spaces. 2,434,090, Jan. 6.
- Alty, Harold J.: *See*—
Partridge, William A., and Alty.
- Aluminum Company of America, assignee: *See*—
Kempf, Louis W., and Eastwood.
Lynn, Lawrence S., Jr., and Shirley.
Mason, Elliott W.
Newsome, James W., Helser, and Wall.
Speer, William F.
Thomas, John W.
Wall, James R.
- Aluminum Cooking Utensil Company, The, assignee: *See*—
Guild, Lurelle, and Towne.
- Aluminum Industries, Incorporated, assignee: *See*—
Beckmann, Melbourne A.
- Aluminium Plant & Vessel Company Limited, The, assignee: *See*—
Ralph, Sydney J., and Dummett.
- Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Collapsible swimming and bathing pool. 2,443,440, June 15.
- Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Umbrella. 2,455,288, Nov. 30.
- Alvarez, Octavio J., and E. Osman, assignors of one-half to Alvarez Patent Corporation, and one-half to E. Osman, New York, N. Y. Switch arrangement. 2,449,799, Sept. 21.
- Alvarez, Oscar E., Tampa, Fla. Can crusher. 2,446,898, Aug. 10.
- Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.
- Alvarez, Octavio J., and Osman.
- Alvear, Victor, Clifton, N. J. Electric battery improvement. 2,456,477, Dec. 14.
- Alves, David S., Richmond, Calif. Paddle target unit for ball games. 2,438,263, Mar. 23.
- Alvino, Alphonse V., Newark, assignor to Bendix Aviation Corporation, Bendix, N. J. Electromagnetic mechanism. 2,447,890, Aug. 24.
- Alvis Limited, assignee: *See*—
Smith-Clarke, George T., and Varney.
- Alvord, Charles C.: *See*—
Flygare, Carl G., and Alvord.
- Amador, Jose P., Newark, N. J. Micrometer caliper. 2,434,633, Jan. 20.
- Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Boadle, Ronald D., and Hool.
Campbell, Allan J., and Bolm.
Robertson, David S.
Vale, Keith R.
- Amber, Yervant, Los Angeles, Calif. Garment clamp. 2,452,891, Nov. 2.
- Amberg, Charles R., and W. J. Knapp, Alfred, assignors to North American Cement Corporation, Catskill, N. Y. Making disinfectant hydraulic cement. 2,439,440, Apr. 13.
- Amberg, Charles R., and W. J. Knapp, Alfred, assignors to North American Cement Corporation, Catskill, N. Y. Disinfectant hydraulic cement and making the same. 2,439,441, Apr. 13.
- Amberg, Walter E., Beverly Shores, Ind., assignor to A. S. Bowes, Chicago, Ill. Ice-cream cone. 2,447,045, Aug. 17.
- Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup and handle thereof. 2,454,906, Nov. 30.
- Ambler, Joseph A.: *See*—
Roberts, Earl J., Ambler, and Curl.
- Ambler, Joseph A., New Orleans, La., and A. L. Curl, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Production of itaconic acid. 2,448,506, Sept. 7.
- Ambrose, Anthony A., Dayton, Ohio. Electromagnet. 2,438,985, Apr. 6.
- Ambrose, Dermot M., assignor to Standard Telephones and Cables Limited, London, England. Apparatus for converting pairs of time modulated pulses into pulses of variable duration. 2,434,894, Jan. 27.
- Ambrose, Henry A., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seating piston rings in internal-combustion engines. 2,445,901, July 27.
- Ambrose, Merrill W., Roxbury, Mass. Welding apparatus. 2,435,815, Feb. 10.
- Amco Manufacturing Corporation, assignee: *See*—
Rockwell, Ronald J.
- Amend, Adolph, Jr., Harrington Park, and G. C. Engel, Ridgewood, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Job elapsed time recorder. 2,454,025, Nov. 16.
- Amenta, Sam, Chicago, Ill. Forming dentures from polymerizable acrylic materials. 2,457,114, Dec. 28.
- Amer, Donald F., Newcastle-on-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Gas-blast electric circuit breaker. 2,454,586, Nov. 23.
- Americae, Inc., assignee: *See*—
Stone, Raymond.
- American Aggregates Corporation, assignee: *See*—
Coppock, Fred D.
- American Airlines, Inc., assignee: *See*—
Ammann, Charles E., and King.
- American Arch Company, Inc., assignee: *See*—
Hazen, Frank D.
- American Associated Companies, Inc., assignee: *See*—
Ferguson, Albert G.
- American Bakers Machinery Company, assignee: *See*—
Buechek, John.
- American Bemberg Corporation, assignee: *See*—
Lieser, Theodor.
- American Blower Corporation, assignee: *See*—
Meyer, Harry A.
Walters, Thomas A.
- American Blower Corporation, The, assignee: *See*—
Alison, Noah L.
- American Bosch Corporation, assignee: *See*—
Erickson, Alvah O., and Osterman.
Lampberg, Richard W.
Osterman, Joseph T.
Osterman, Joseph T., and Erickson.
Schwarzmann, Wolfgang E., and Bach.
- American Box Board Company, assignee: *See*—
Anderson, Wilbur G., Jr.
- American Braces, assignee: *See*—
Markkula, Raymond F.
- American Brake Company, The, assignee: *See*—
Mueller, Emil G.

American Brake Shoe Company, assignee: *See—*

Blume, William A., and Spokes.
Brown, Lindsay H.
Heidenthal, Warren C.
Magnus, Oscar F.
Mantle, Burr W.
Nettenstrom, Arthur R.
Spokes, Ray E.
Staiger, Otto K.
Wilson, Rosser L.

American Brass Company, The, assignee: *See—*
Candee, Ellsworth T., and Anderson.

American Bridge Company, assignee: *See—*
Balke, Harry A.

American Briquet Company, assignee: *See—*
Dallas, George, Mifflin, and Fine.
American Cabinet Hardware Corporation, Rockford,
Illinois, assignee: *See—*

Borchers, Earl M.
American Can Company, assignee: *See—*
Berglund, Ralph M.
Butler, William F.
Erb, George C.
Felber, John.
Hayes, John G.
Jacobs, Samuel S., and Peterson.
Jones, Lyman L.
Kruse, Orlin O.
Maher, William W.
Martin, William M.
Nordquist, Ronald E. J.
Nordquist, Ronald E. J., and Cox.
Paynter, Horace J.
Peters, John F.
Rosenlof, Sven H.
Saubestre, Basil F.
Sharpe, George A.
Socke, John E.
Then, Edward O.
Thornburgh, Ivan D.
Wolfe, Herbert J., and Greubel.

American Car and Foundry Company, assignee: *See—*

Bogard, Fred J.
Dietrichson, William F., and Christiansen.
Pancake, Herman H.
Shields, Robert A.
Steinmeyer, John W.
Willoughby, Victor.

American Car and Foundry Investment Corporation, assignee: *See—*
Stanton, Warren F.

American Casting & Manufacturing Corporation, assignee: *See—*
Dietze, Emil.

American Catheter Corporation, assignee: *See—*
Krippendorf, Louis H.

American Chain & Cable Company, Inc., assignee: *See—*

Bufflap, Carl A.
Conner, Edward A.
Reyburn, John R., and Kuhn.

American Chemical Paint Company, assignee: *See—*

Jones, Franklin D.
Saukatis, Albert J.
Snyder, Eugene.
Spruance, Frank P., Jr.

American Chicle Company, assignee: *See—*
Cohoe, Wallace P.

American Coach & Body Company, The, assignee: *See—*
Holan, James H., and Troche.

American Colloid Company, assignee: *See—*
Holden, Eugene G., Jr.

American Crucible Co., assignee: *See—*
Hubbell, George T.

American Cyanamid Company, assignee: *See—*

Aagaard, Leif, and Cauwenberg.
Aagaard, Leif, Cauwenberg, and Whately.
Abramovitch, Benjamin.
Adam, John N., Jr., and Durfee.
Amick, Chester A., and Kenle.
Angier, Robert B.
Baker, Bernard R.
Baker, Bernard R., and Query.
Barnes, Robert B., and Ham.
Beardsley, Alling P., and Whiting.
Bernstein, Seymour, and Dorfman.
Blann, William A.
Booth, Robert B., and Carpenter.
Booth, Robert B., and Herkenhoff.
Booth, Robert B., and Morash.
Boothe, James H.
Buc, George L., and Stearns.
Candee, Clifton C.
Carpenter, Erwin L.
Clapp, Richard C., and Krapcho.
Clark, Le Roy V.
Coca, Arthur F.
Cook, Elmer W., and Moss.
Cook, Elmer W., and Thomas.
Cosulich, Donna B.
Cullinan, John F., and Lytle.
Davis, Arnold R.
Davis, Harold S., and Carpenter.

American Cyanamid Company, assignee: *See—Continued.*

Davis, Harold S., and Newey.
Day, Harold M., and Jayne.
Dean, Russell T., and Hook.
Dean, Russell T., King, and Laury.
Dixon, James K., and Cook.
Dixon, James K., and May.
Dorfman, Louis, and Bernstein.
Erickson, John G.
Foster, George H., and Williams.
Funk, Charles E., Jr.
Hager, Floyd D.
Hall, George E., Jr., Hultquist, and Dhein.
Hechenbleikner, Ingenuin.
Haupt, Alfred G.
Hultquist, Martin E.
Hultquist, Martin E., and Dreisbach.
Hultquist, Martin E., and Northey.
Hutchings, Brian L.
Johnston, William B.
Kidder, Ray E., and Berry.
Kropa, Edward L.
Kruppa, William J., Beardsley, and Whiting.
Lacey, Harold T., and Brouillard.
Lane, Leslie C., and Parker.
Lecher, Hans Z., Parker, and Hofmann.
Lecher, Hans Z., Parker, and Long.
Libby, Raymond L.
Lindsay, Maxwell H. A.
Long, Robert S., and Lewis.
Lynch, Kathryn L.
Lytle, Lawrence D.
Mackenzie, Neil M., and Nestler.
MacLean, Alexander F.
Miller, Wilbur H.
Millson, Henry E., and Royer.
Moore, Leonard P., and Ericks.
Moos, Anthony M.
Moos, Anthony M., and Upham.
Mowat, John H.
Mowat, John H., and Boothe.
Nagy, Daniel E.
Nagy, Daniel E., and Redmon.
Ness, Walter E.
Nies, Abby W.
Northey, Elmore H., and Webb.
Parfentjev, Ivan A., and Weil.
Park, Robert H.
Parker, Robert P., and Denton.
Pfann, Harry F., and Dixon.
Pietzsch, Kurt F.
Poor, Edward N., and Howard.
Redmon, Byran C., and Nagy.
Royer, George L., and Amick.
Sargent, Donald E.
Sayward, John M., and Dixon.
Scalera, Mario.
Scalera, Mario, and Forster.
Scalera, Mario, and Joyce.
Scalera, Mario, Lester, and Hardy.
Scholz, Theodore F.
Shepard, Norman A.
Sickels, Jackson P.
Sickels, Jackson P., and Sargent.
Simard, Gerald L., and Stryker.
Smith, James M., Jr.
Smyth, Glen M.
Smyth, Glen M., and Cullinan.
Stamm, Robert F., Mariner, Barnes, and Stryker.
Stearns, Edwin I., Jr.
Stearns, Edwin I., Jr., and Buc.
Thurston, Jack T.
Upham, Sidney D.
Vanderscheer, James, and Hull.
Vitalis, Emil A.
Waller, Coy W., and Boothe.
West, Herbert J.
West, Herbert J., and Enterline.
Winnek, Philip S.
Zeischke, Wolfgang M.

American Cystoscope Makers, Inc., assignee: *See—*
Scott, William W., and Lutz.
Wallace, Frederick J.

American Dairies Incorporated, assignee, et al.: *See—*

Turner, Charles W., and Reineke.

American District Telegraph Company, assignee: *See—*

Muehter, Manfred W.

American Ecla Corporation, assignee: *See—*

Chavannes, Marc A.

American Electrical Heater Company, assignee: *See—*

Kuhn, Frank, and Thomas.

American Electro Metal Corporation, assignee: *See—*

Goetzel, Claus G.
Schwarzkopf, Paul.

American Enka Corporation, assignee: *See—*

Barnes, Robert R., and McCullough.
Buurman, Aart.
Gonsalves, Victor E.
Kayser, Guillaume M. A.
Koch, Theodor.
Markwood, Paul W.
Meerdink, Gerhard J.

- American Felt Company, assignee: *See*—
Boeddinghaus, Hugo.
Shrager, Hymen, and Shinberg.
- American Fixture & Manufacturing Co., assignee: *See*—
Nash, John J.
- American Flange & Manufacturing Co., Inc., assignee: *See*—
Amesbury, Earl M., Franks, and Jesevich.
- American Forging and Socket Company, assignee: *See*—
McCarthy, Charles S.
- American Fork & Hoe Company, The, assignee: *See*—
Moulton, Walter E.
- American Furniture & Toy Company, assignee: *See*—
Schneider, Rudolph G.
- American Gas Association, Inc., assignee: *See*—
Starkey, Robert L., and Wight.
- American Gas Machine Company, assignee: *See*—
Rasmussen, Sophus.
- American Geographical Society of New York, assignee: *See*—
Edison, Theodore M.
- American Hardware Corporation, The, assignee: *See*—
Dyson, Louis M.
- American Holst & Derrick Co., assignee: *See*—
Hite, Joseph J.
- American Hyalcol Corporation, assignee: *See*—
Engelbrecht, Heinz-Joachim.
- American Instrument Co., Inc., assignee: *See*—
Healey, Sidney.
Meigs, Douglas P.
Morris, Nathan.
- American-La France-Foamite Corporation, assignee: *See*—
Sheppard, Allan G.
- American Laundry Machinery Company, The, assignee: *See*—
Matthews, Albert.
Matthews, Albert, and Gerlach.
Shaw, Julian C.
Shaw, Julian C., and Blettner.
- American Linen Supply Co., assignee: *See*—
Birr, Rudolph G.
Steiner, Frank G., and Birr.
- American Locker Company, Inc., assignee: *See*—
Hofmann, George.
- American Locomotive Company, assignee: *See*—
Gloyer, Walter.
Sawyer, Robert T.
Weber, Theodore R.
- American Loose Leaf Corporation, assignee: *See*—
Baker, Samuel S., and Batchelar.
- American Machine & Foundry Company: *See*—
Dehuff, Walter F.
Morgan, Willard L.
Morgan, Willard L., and Faelten.
Newman, Max M.
Thiel, Louis F.
- American Machine and Foundry Company, assignee: *See*—
Arelt, Charles.
Johnson, Carl W., and Neumair.
Kihn, George A.
Lea, Charles W.
Sowa, Frank J.
Warren, James W.
- American Machine and Metals, Inc., assignee: *See*—
Davis, Archibald H., Jr.
De Moss, Albert H.
Kent, Carleton V.
Sidell, Philip A.
- American Maize-Products Company, assignee: *See*—
Lloyd, Robert L.
Pearce, Leslie O. G.
Schopmeyer, Herman H.
- American-Marietta Company, Adhesive, Resin and Chemical Division, assignee: *See*—
Redfern, Donald V.
- American Meat Institute Foundation, assignee, et al.: *See*—
Kraybill, Henry R., and Beadle.
- American Metal Company, Limited, The, assignee: *See*—
Jones, Thomas R., and Bierly.
Schweltzer, Herbert C.
- American Molded Products Co., assignee: *See*—
Henry, George L.
- American Monorail Company, assignee: *See*—
Barner, Clarence E.
Harris, Frank C.
- American Monorail Company, The, assignee: *See*—
Moore, Ralph T.
- American Optical Company, assignee: *See*—
Aitcheson, Thomas G.
Bennett, Alva H.
Ellis, Charles A.
Guellich, Gustav E.
Hasenzahl, Herbert E.
Matter, Roger E.
Moulton, Harold R.
Osterberg, Harold.
Peck, William F., Harper, and Estey.
Pincus, Alexis G.
Reardon, Joseph D., and Guellich.
Silverberg, Carl G.
Splaine, Edward M.
Weyl, Woldemar A.
- American Ordnance Corporation, assignee: *See*—
Caulkins, Cecil P.
- American Pattern and Manufacturing Co., assignee: *See*—
Miller, Raymond J.
- American Pearl Button Co., assignee: *See*—
Palmer, Rufus N.
- American Pipe and Construction Co., assignee: *See*—
Jenkins, Howard H.
Munger, Charles G.
- American Pipe and Steel Corporation, assignee: *See*—
Talley, Hyrum M.
- American Potash & Chemical Corporation, assignee: *See*—
May, Frank H.
- American Pulley Company, The, assignee: *See*—
Williams, William A.
- American Rayon Company, Inc., assignee: *See*—
Furness, William H.
- American Rock Wool Corp., assignee: *See*—
Smith, Herbert C.
- American Rolling Mill Company, The, assignee: *See*—
Feld, Alexander L.
Gage, Gordon, and Hughes.
Oganowski, Kasimir.
- American Safety Razor Corporation, assignee: *See*—
Dalkowitz, Godfrey.
Tait, Wilfred E., and Stelpflug.
- American Seal-Kap Company of Delaware, assignee: *See*—
Goodwin, Carl W., and Allen.
Goodwin, Carl W., and Martin.
- American Seal-Kap Corporation, assignee: *See*—
Butterfield, George P., and Thorne.
Rodman, Francis C., and Engel.
Vore, Herbert G.
- American Seating Company, assignee: *See*—
Larson, Alfred O.
Morgan, Erving B., and Clay.
Nordmark, Walter E.
Orton, Merritt K.
- American Smelting and Refining Company: *See*—
Fleming, Edward P., and McIntosh.
Lebedeff, Yurii E., and Monson.
Morin, Fernando A.
- American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H.
Clasen, Claus J. W.
Cottrell, Robert B.
Cottrell, Robert B., and Helsten.
Elder, Flint C.
Grigsby, Chester E.
Heater, Charles L.
Hess, Relza J.
Kayler, Frank H.
Kinne, Edmund P., and Kayler.
Lehrman, Leo A.
Maatman, Egbert J., and Clasen.
Moline, Carl R.
Reardon, Eugene J.
Schlegel, Walter L., Jr., and Bachman.
Tack, Carl E.
Tack, Carl E., and Bachman.
Tack, Carl E., and Helsten.
Trenbath, Herbert W.
- American Steel Package Company, The, assignee: *See*—
Duerk, Karl A.
- American Steel and Wire Company, The, assignee: *See*—
Saviers, Robert H.
- American Steel and Wire Company of New Jersey, The, assignee: *See*—
Brickman, Alan E.
Griffiths, Ronale, and Spare.
Herath, Russell A., and Pettigrew.
Larner, William V.
Plass, Curtis E., and Sullivan.
Robbins, David S.
Scott, William H.
Smith, Albert A., Jr., and Quadt.
Symmes, Daniel D.
Thompson, James R.
Williams, Alvin R.
- American Sterilizer Company, assignee: *See*—
Owens, Neal, and Jewell.
- American Stove Company, assignee: *See*—
Morrill, Vaughan, Jr.
- American Telephone and Telegraph Company, assignee, et al.: *See*—
Beardsley, Harry I., and Meehan.
Werner, Daniel R.
- American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
- American Tool Head Corporation, assignee: *See*—
Girard, Ernest.
- American Tractor Equipment Corporation, assignee: *See*—
Wooldridge, Mack.
- American Type Founders, Incorporated, assignee: *See*—
Hacker, Fred A.
Seybold, Frederick W.

American Viscose Corporation, assignee: *See—*

Battista, Orlando A.
 Bauer, Ernest K.
 Birsch, Edwin T.
 Birsch, Edwin T., and Silcox.
 Boyce, Garfield L.
 Castellani, Carl A.
 Chaney, David W.
 Coe, Elvin L.
 Copson, Ernest D., and Taylor.
 Cornwell, Ralph T. K., and Porter.
 Curtis, Dale M.
 Davidson, Hobart O.
 Drennen, John T.
 Eshleman, Richard F.
 Francis, Carleton S., Jr.
 Fry, Horace P., Stanley, and McDermott.
 Furness, William H.
 Garden, Henry B.
 Griffin, Frank H.
 Haley, Hugh D.
 Kennedy, Edgar S.
 Koster, Frederick W.
 Kreamer, William H., Klingener, and Bauer.
 Kulp, Maurice P., and Sisson.
 Little, John W.
 Lodge, Alvin.
 McDermott, Henry J.
 Nelson, Seddon C.
 Rosser, Charles M.
 Row, Stuart B., and Woolley.
 Sisson, Wayne A.
 Sisson, Wayne A. and Webb.
 Stanley, Richard W.
 Stanley, Richard W., and Castellani.
 Wedler, Frederick C.
 Whytlaw, Graeme G.
 Wicker, Dan B.
 Wiegertink, James G.
 Woodruff, Jackson A.
 American Vitos Company, Inc., assignee: *See—*
 Vitoux, Marcel.
 American Well Works, The, assignee: *See—*
 Walker, James D.
 American Wheelabrator & Equipment Corporation, assignee: *See—*
 Dill, Gilbert D.
 Hirsch, Charles.
 American Woolen Company, assignee: *See—*
 Adams, Harold S.
 Amering, Charles F., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum envelope for photographic printing. 2,436,085, Feb. 17.
 Ames, Butler, Boston, assignor to The Walkabout Company, Lowell, Mass. Portable support for invalids. 2,437,778, Mar. 16.
 Ames, Charles F., New York, N. Y. Vacuum return pumping unit. 2,452,421, Oct. 26.
 Ames, Millard E., Jr., Philadelphia, and D. E. Sunstein, Elkins Park, assignors to Philco Corporation, Philadelphia, Pa. Reflex thermal electric meter. 2,437,449, Mar. 9.
 Ames, Millard E., Jr., Germantown, and D. E. Sunstein, Elkins Park, assignors to Philco Corporation, Philadelphia, Pa. Saw-tooth generator with automatic amplitude control. 2,448,069, Aug. 31.
 Ames, Philip V.: *See—*
 Russell, George W.
 Ames, Robert G., assignor of one-half to G. W. Williams, and one-fourth to S. Ames, Burlingame, Calif. Pressure plastic applicator. 2,436,783, Mar. 2.
 Ames, Robert S., R. W. McCullough, and M. P. H. Peterson, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for free-blowing thermoplastic material. 2,440,499, Apr. 27.
 Ames, Robert S., M. P. Peterson, and J. C. Feldscher, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for controlling centrifugal formation of sheet material. 2,454,116, Nov. 16.
 Ames Spot Welder Co., Inc., assignee: *See—*
 Stoudt, Bernard.
 Ames, Stanley, assignee, et al.: *See—*
 Ames, Robert G.
 Amesbury, Earl M., T. W. Franks, and J. Jesevich, Jr., Chicago, Ill., assignors to American Flange & Manufacturing Co., Inc., New York, N. Y. Closure plug for containers. 2,445,465, July 20.
 Amick, Chester A., and R. H. Kienle, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Printing with vat colors. 2,451,270, Oct. 12.
 Amick, Erwin H., Jr.: *See—*
 Harney, William S., Jr., and Amick.
 Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine needle and making same. 2,436,371, Feb. 24.
 Amigo, Alfonso, Ealing, assignor of one-half to Ebonestos Industries Limited, London, England. Molding of boxes from laminations of felted fibrous material impregnated with synthetic resin. 2,446,038, July 27.
 Amino Acids, Inc., assignee: *See—*
 Reyniers, James A.
 Amiot, Felix, Neuilly-sur-Seine, France. Controlling means, especially for doors. 2,457,625, Dec. 28.

Amity Leather Products Co., assignee: *See—*

Potter, Harold B.
 Amity Manufacturing Corp., assignee: *See—*
 De Mott, Armand.
 Ammann, Charles E., Yonkers, and R. W. King, Rockville Center, assignors to American Airlines, Inc., New York, N. Y. Selective signaling system. 2,446,037, July 27.
 Ammco Tools, Inc., assignee: *See—*
 Billeter, Henry R.
 Mitchell, Wallace F.
 Ammerman, Harry E., Silver Spring, Md. Window bracket. 2,451,143, Oct. 12.
 Ammon, Edward R., Reading, Pa. Hosiery handling and inspecting apparatus. 2,454,622, Nov. 23.
 Amon, Fred H., Weston, and F. S. Thornhill, Hyde Park, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Making hydrophilic carbon black. 2,439,442, Apr. 13.
 Amon, William F., Jr.: *See—*
 Blout, Elkan R., and Amon.
 Georgian, Vlasios, Amon, Golfstein, Land, West and Woodward.
 Amos, James L., Midland, and F. J. Soderquist, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Production of readily polymerizable vinyl aromatic compounds. 2,443,217, June 15.
 Amos, James L., C. C. Schwegler, and W. H. Bezenah, assignors to The Dow Chemical Company, Midland, Mich. Apparatus for producing alkylated aromatic compounds. 2,443,758, June 22.
 Amp Corporation, assignee: *See—*
 Thompson, Parke H.
 Ampco Metal, Inc., assignee: *See—*
 Garriott, Francis E.
 Mülle, Henry A.
 Ampro Corporation, assignee: *See—*
 Cisski, Irving.
 Dunlavey, Robert J.
 Amsler Morton Corporation, assignee: *See—*
 Morton, William A.
 Amstutz, Walter, assignor to Butler Brothers, Chicago, Ill. Collapsible blackboard. 2,456,103, Dec. 14.
 Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 2,446,683, Aug. 10.
 Anaconda Wire and Cable Company, assignees: *See—*
 Bechle, Charles W., and Olson.
 Johnson, Richard A.
 Olson, John W., and Bechle.
 Ancet, Victor M. J., assignor to Marius Fayolle, alias Marcel Fayolle, Lyon, France. Thread operated stop motion in circular looms. 2,433,824, Jan. 6.
 Anchor Chemical Company Limited, The, assignee: *See—*
 Roberts, Kenneth C.
 Anchor Post Products, Inc., assignee: *See—*
 Smoot, Theophilus H.
 Anco Manufacturing Corporation, assignee: *See—*
 Spangenberg, Carl C.
 Anderberg, Axel W., Los Angeles, Calif. Removable bottle closure device. 2,433,972, Jan. 6.
 Anderer, Theodore A., Philadelphia, and R. W. Tafel, Drexel Hill, Pa. Variable length tandem self-aligning gauge. 2,455,347, Dec. 7.
 Anders, John F., Kitchawan, N. Y. Internal thread gage. 2,434,535, Jan. 13.
 Andersen, Carl N., Pleasantville, N. Y., assignor, by mesne assignments, to Gallowhur Chemical Corporation. Aromatic mercury alcoholates. 2,437,450, Mar. 9.
 Andersen, Carl N., Pleasantville, N. Y., assignor, by mesne assignments, to Gallowhur Chemical Corporation. Metallo-organic compositions. 2,451,052, Oct. 12.
 Andersen, Harold W., Bayside, N. Y. Spark plug. 2,442,945, June 8.
 Andersen, Henry C., Lancaster, Calif. Bottle holder. 2,437,800, Mar. 16.
 Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Cargo hoist. 2,456,104, Dec. 14.
 Andersen, Soren K., assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Cooler for viscous liquids. 2,449,922, Sept. 21.
 Andersen, Thomas K., Staten Island, N. Y. Pivotal and slidably mounted outer jaw wrench. 2,437,801, Mar. 16.
 Andersen, Thomas K., Staten Island, N. Y. Material handling apparatus. 2,443,174, June 15.
 Andersen, Thomas K., Staten Island, N. Y. Material handling apparatus. 2,443,175, June 15.
 Andersen, Thomas K., Staten Island, N. Y. Material handling apparatus. 2,447,150, Aug. 17.
 Anderson, Albert & J. M., Manufacturing Company, assignee: *See—*
 Reynolds, Charles H.
 Anderson, Albert E., Holbrook, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Recorder. 2,451,464, Oct. 19.
 Anderson, Alf. E., Milton, Mass. Swivel electrical connector with floatable means. 2,436,949, Mar. 2.
 Anderson, Alton R.: *See—*
 Candee, Ellsworth T., and Anderson.
 Anderson, Alva E., Spring Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave oscillator. 2,457,194, Dec. 28.
 Anderson, Andrew T.: *See—*
 Regad, Eugene D., and Anderson.

- Anderson, Arleigh W., Pasadena, Calif. Air register. 2,439,554, Apr. 13.
- Anderson, Arthur A., Rose Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Automatic adhesive tape dispenser. 2,449,047, Sept. 14.
- Anderson, Bernard J.: See—
Anderson, Paul and B.
- Anderson, Bert E., Los Angeles, Calif. Orifice exchanger. 2,433,973, Jan. 6.
- Anderson, Bert E., Los Angeles, Calif. Orifice exchanger. 2,448,071, Aug. 31.
- Anderson-Bolling Mfg. Co., assignee: See—
Duffy, Thomas I.
- Anderson, Carl A., assignee, et al.: See—
Cruikshank, Ross T.
- Anderson, Carl E., assignee, et al.: See—
Nelson, Noble A.
- Anderson, Carl G., assignor to R. T. Moloney, Chicago, Ill. Soldering lug. 2,442,158, May 25.
- Anderson, Carl J.: See—
Bullen, Clark V., and Anderson.
- Anderson, Carl M., Greensburg, assignor to Elliott Company, Jeannette, Pa. Brush holder. 2,442,480, June 1.
- Anderson, Carl R., Chattanooga, Tenn., assignor to Air Products Incorporated, Detroit, Mich. Pump for liquefied gases. 2,439,958, Apr. 20.
- Anderson, Carl R., assignor to Air Products, Incorporated, Chattanooga, Tenn. Reciprocating pump for liquefied gases. 2,440,216, Apr. 20.
- Anderson, Carl R., assignor to Air Products Incorporated, Detroit, Mich. Expansion valve. 2,435,731, Feb. 10.
- Anderson, Carl R., assignor to Air Products Incorporated, Detroit, Mich. Pump for liquefied gases. 2,439,957, Apr. 20.
- Anderson, Charles C., Dayton, Ohio. Cigarette dispenser. 2,445,201, July 13.
- Anderson, Chester W., Grand Haven, Mich. Bottle carrier. 2,448,204, Aug. 31.
- Anderson, Clare, Kinnelon, N. J. Electrical bridge and galvanometer circuits. 2,444,624, July 6.
- Anderson, Clarence N., Northwood, Iowa. Power-operated fence post driver. 2,456,852, Dec. 21.
- Anderson, Cleophas E., assignor to Thermo Electric Manufacturing Company, Dubuque, Iowa. Temperature control apparatus. 2,448,289, Aug. 31.
- Anderson, Cleophas E., Columbia City, Ind., assignor to General Electric Company. Brake mechanism. 2,434,480, Jan. 13.
- Anderson, Clifford H., Minneapolis, Minn. Screw conveyor. 2,443,288, June 15.
- Anderson, Clyde E., Minneapolis, Minn. Display easel. 2,441,655, May 18.
- Anderson, David E.: See—
Waag, Norman E., and Anderson.
- Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Apparatus for controlling introduction of supplementary antiknock fuel mixtures. 2,441,179, June 29.
- Anderson, David P., Pittsburgh, Pa., and S. Kneass, Jr., Boylston, assignors to Morgan Construction Company, Worcester, Mass. Conveying mechanism for billet heating furnaces. 2,451,053, Oct. 12.
- Anderson, Earl I.: See—
Stolze, William J., and Anderson.
- Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Timing modulation system. 2,449,928, Sept. 21.
- Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Ground speed indicator utilizing doppler effect. 2,453,639, Dec. 7.
- Anderson, Edmund A.: See—
Boyle, Edward J., and Anderson.
- Anderson, Edward E., Loma Linda, Calif. Individual container sealer. 2,455,461, Dec. 7.
- Anderson, Edward P., Rutherford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Air log. 2,441,381, May 11.
- Anderson, Einar A., Minneapolis, Minn. Butter cutter. 2,454,421, Nov. 23.
- Anderson, Einar H., Minneapolis, Minn. Crushing machine for rocks and the like. 2,447,303, Aug. 17.
- Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Wing flap actuating mechanism. 2,434,341, Jan. 13.
- Anderson, Ephraim H., Homewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water seal for shaft-bearings. 2,439,917, Apr. 20.
- Anderson, Eric G., Davenport, Iowa. Sandpaper holder. 2,446,625, Aug. 10.
- Anderson, Eric M., Westbrook, B. O. Kelso, and C. M. Ginn, Portland, Maine, assignors to Utilities Distributors, Inc. Fluid coupling. 2,444,414, July 6.
- Anderson, Eric W.: See—
Doering, Charles and H. H., Anderson, and Skoglund.
- Anderson, Fayette C., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Battery charging apparatus and method. 2,440,163, Apr. 20.
- Anderson, Folke W., Chicago, Ill., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Machine for making can bodies. 2,444,277, June 29.
- Anderson, Frank J., and D. R. Williams, assignors to Monolith Portland Midwest Company, Laramie, Wyo. Making alumina utilizing kaolin, marl, and related materials. 2,438,488, Mar. 30.
- Anderson, Frank W., North Weymouth, Mass. Stud welding gun. 2,451,190, Oct. 12.
- Anderson, Frederick, Hawthorne, assignor to A. Brearley, and V. M. Bramel, Monterey Park, Calif. Telephone receiver support. 2,435,816, Feb. 10.
- Anderson, George M., Highlands, N. J. Electrical connector. 2,454,760, Nov. 30.
- Anderson, George W., Santa Monica, Calif. Delayed-action switch. 2,439,069, Apr. 6.
- Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Axial air gap machine. 2,438,629, Mar. 30.
- Anderson, Gordon V.: See—
Mueller, Siegfried E., Anderson, and Dacas.
- Anderson, Gustave A., assignor to The International Handkerchief Mfg. Co., New York, N. Y. Blank feeder means. 2,449,044, Sept. 14.
- Anderson, Gustave A., assignor to The International Handkerchief Mfg. Co., New York, N. Y. Blank advancing means. 2,451,648, Oct. 19.
- Anderson, Harold P., Mountain View, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Producing magnesium powder by cold rolling and grinding. 2,448,245, Aug. 31.
- Anderson, Harold W., Scotia, N. Y., assignor to General Electric Company. High-frequency induction heating system. 2,450,623, Oct. 5.
- Anderson, Harry W., Chicago, Ill. High-low gas valve. 2,448,654, Sept. 7.
- Anderson, Harvey R., Eureka, assignor to Keasbey & Mattison Company, Ambler, Pa. Insulating board and making the same. 2,445,415, July 20.
- Anderson, Herbert L., Chicago, Ill., assignor to the United States of America, as represented by the United States Atomic Energy Commission. Compressed neutron source. 2,440,999, May 4.
- Anderson, Hershell N., Washington, D. C. Protecting river banks. 2,435,568, Feb. 10.
- Anderson, Homer G., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,439,786, Apr. 20.
- Anderson, Homer G., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,452,032, Oct. 26.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Removing metal from the surface of blooms and the like. 2,441,179, May 11.
- Anderson, James W., Jr., assignor to Monarch Governor Company, Detroit, Mich. Rear view mirror. 2,447,786, Aug. 24.
- Anderson, James W., Jr., assignor to Monarch Governor Company, Detroit, Mich. Rear view mirror. 2,450,179, Sept. 28.
- Anderson, John C., Los Angeles, Calif. Vertical current mineral concentrator. 2,437,671, Mar. 16.
- Anderson, John E., assignor to Phibrico Jointless Firebrick Company, Chicago, Ill. Seam protector for boilers. 2,437,634, Mar. 9.
- Anderson, John E., Los Angeles, Calif. Clamping device for cables and wires and rods. 2,440,532, Apr. 27.
- Anderson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Polynomial equation computer. 2,444,549, July 6.
- Anderson, John W., Newtown, Conn. Lipstick holder with diverse expellant parts. 2,442,109, May 25.
- Anderson, John W., Portland, Ore. Indoor golf practice device. 2,448,759, June 22.
- Anderson, Joseph B., Washington, D. C. Apparatus for disseminating weather information. 2,455,209, Nov. 30.
- Anderson, Joseph B., Washington, D. C. Apparatus for disseminating weather information. 2,455,210, Nov. 30.
- Anderson, Karl V.: See—
Grieshaber, Emil, and Anderson.
- Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Hydraulic motor means for actuating nested distributing valves. 2,444,083, June 29.
- Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Oil circulating means for pistons and connecting rods. 2,456,668, Dec. 21.
- Anderson, Lloyd L.: See—
Mark, Vennice E., and Anderson.
- Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Refrigeration latch mechanism. 2,440,162, Apr. 20.
- Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Latch. 2,444,180, June 29.
- Anderson, Louis A., assignor to General Motors Corporation, Dayton, Ohio. Backplate latch for machine guns. 2,441,382, May 11.
- Anderson, Louis E.: See—
Thorp, Clark E., and Anderson.
- Anderson, Marshall N., assignor to Sellstrom Manufacturing Company, Chicago, Ill. Welder's helmet. 2,440,596, Apr. 27.
- Anderson, Martin, Sydney, New South Wales, Australia. Oilcan and other drip-feed liquid containers. 2,442,392, June 1.

- Anderson, Milton B., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Selective propulsion means for amphibious craft. 2,456,478, Dec. 14.
- Anderson, Nels B., Minneapolis, Minn. Blade honing device. 2,437,495, Mar. 9.
- Anderson, Nils K., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Reactivating finely divided contact material. 2,444,128, June 29.
- Anderson, Paul, San Antonio, Tex. Centrifugal fan. 2,450,708, Oct. 5.
- Anderson, Paul and B., Clifton, N. J. Ice glider. 2,454,248, Nov. 16.
- Anderson, Paul T.: See—
Schindler, Hans, and Anderson.
- Anderson, Ralph P., Cleveland, Ohio, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for alternating-current motors. 2,436,413, Feb. 24.
- Anderson, Ralph V., U. S. Navy. Apparatus for automatically controlling duration of electrical current. 2,452,537, Nov. 2.
- Anderson, Ralph V., Valencia, Pa. Saw table. 2,435,765, Feb. 10.
- Anderson, Ray B., Charleston, W. Va. Separation of gaseous mixtures. 2,437,288, Mar. 9.
- Anderson, Rea V., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Submerged melt welding. 2,434,481, Jan. 13.
- Anderson, Robert E., Champaign, Ill. Welding tool. 2,441,551, May 18.
- Anderson, Robert L., Youngstown, Ohio. Weeder. 2,436,500, Feb. 24.
- Anderson, Roy F.: See—
Riley, Frank O., and Anderson.
- Anderson, Roy H., Fort Dodge, Iowa. Knockdown article and joint therefor. 2,437,494, Mar. 9.
- Anderson & Sons, Inc., assignee: See—
Henry, George W.
- Anderson, Stanley E., Chicago, Ill. Stamping machine. 2,434,381, Jan. 13.
- Anderson, Theodore G., Kennett Square, Pa., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Diode detector circuit. 2,437,493, Mar. 9.
- Anderson, Thomas F., and H. Taber, Cleveland, Ohio. Paper towel or paper napkin dispensing device. 2,434,342, Jan. 13.
- Anderson, V. D., Louisville, assignee: See—
Langhurst, Louis F.
- Anderson, Walter M., Sr., Montgomery, Ala. Water saver. 2,440,389, Apr. 27.
- Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Paper board chest. 2,439,959, Apr. 20.
- Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Folding paper box. 2,443,713, June 22.
- Anderson, William B., Detroit, Mich., and H. D. Shaw, Longmeadow, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow control apparatus. 2,442,746, June 8.
- Anderson, William S., Jr., Williamsport, Pa., assignor to Ayco Manufacturing Corporation. Sectional type boiler. 2,456,239, Dec. 14.
- Anderson, William W.: See—
Monson, Louis T., Anderson, and Jenkins.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Articulated ice tray grid. 2,438,487, Mar. 30.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Ice tray. 2,454,958, Nov. 30.
- Andreassen, Harry N., Sr., Chicago, Ill. Golf tee. 2,451,311, Oct. 12.
- Andreasson, Rudolf W., Franklin, Mich. Relieving the teeth of circular cutting elements. 2,434,753, Jan. 20.
- Andreoli, Mario, Providence, R. I. Ornamental flower construction. 2,451,649, Oct. 19.
- Andres, Lloyd J., assignor to Automatic Instrument Company, Chicago, Ill. Multiple clutch. 2,443,491, June 15.
- Andres Bay Trading Corporation, assignee, et al.: See—
Naugle, John J., and Wickenden.
- Andresen, Gilbert J. C., Stow, Ohio. Signal amplitude limiting system. 2,453,958, Nov. 16.
- Andresen, Harold, assignee: See—
Frazier, Orville Z.
- Andresen, John H., Jr., Port Washington, N. Y., assignor to Square D Company, Detroit, Mich. Two-phase motor control. 2,437,064, Mar. 2.
- Andress, Harry J., Jr.: See—
Reiff, Orland M., and Andress.
Reiff, Orland M., Hartough, and Andress.
- Andrew Corporation, assignee: See—
Andrew, Victor J.
- Andrew, Edward F., assignee: See—
O'Brien, William J.
- Andrew, Victor J., assignor, by mesne assignments, to Andrew Corporation, Chicago, Ill. Cable terminal. 2,438,489, Mar. 30.
- Andrews, Anatol N., Los Angeles, Calif., assignor to North American Aviation, Inc. Rivet sorting machine. 2,446,320, Aug. 3.
- Andrews, Boley A., assignor to C. E. Hovey, trustee, Kansas City, Mo. Magnetic testing means. 2,442,393, June 1.
- Andrews Company, assignee: See—
Lussardi, John P. J.
- Andrews, Douglas H., Jr., West Hartford, and D. E. Lipfert, Meriden, assignors, by mesne assignments, to Nies-Bement-Pond Company, West Hartford, Conn. Throttle control system. 2,438,690, Mar. 30.
- Andrews, Edward D., assignee: See—
Alderfer, Sterling W.
- Andrews, Edward F., assignee: See—
O'Brien, William J.
- Andrews, Edward F., assignor, by mesne assignments, to The Miller Spreader Corporation, Youngstown, Ohio. Adjustable truck hitch. 2,456,359, Dec. 14.
- Andrews, Ernest G., Baldwin, N. Y., and O. Cesareo, Washington Township, Bergen County, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio object detector training device. 2,438,888, Apr. 6.
- Andrews & Goodrich, Inc., assignee: See—
Dreisel, William.
- Andrews, John L., Fairfield, Ill., assignor to Hotpoint Inc. Push-button switch. 2,440,063, Apr. 20.
- Andrews, Joseph F., New York, N. Y. Apparatus for reducing noise in microphone circuits. 2,449,971, Sept. 28.
- Andrews, P. L., Corporation, assignee: See—
Hoffman, Louis, and Dalmen.
- Andrews, Percival W., assignee: See—
Dewan, Leon.
- Andrews, Roy, assignee: See—
McDonough, William P.
- Andrews, Willard H., Los Angeles, Calif. Hand finishing tool. 2,435,335, Feb. 3.
- Andrews, William, Gateshead-on-Tyne, England, assignor to Metal and Thermit Corporation, New York, N. Y. Welding electrodes. 2,456,609, Dec. 21.
- Andrus, Bert R., Eugene, Oreg. Saw-tooth sharpener. 2,439,279, Apr. 6.
- Anemostat Corporation of America, assignee: See—
Honerkamp, Friedrich, and Kurth.
Wallen, George R.
- Angel, Charles M., and R. A. Culbertson, Huntington, W. Va., assignors to Nathan Manufacturing Company, New York, N. Y. Water gauge. 2,450,267, Sept. 28.
- Angel, Henry S.: See—
Kuller, Everett W., and Angel.
- Angell, Fred P., Battle Creek, Mich. Door check. 2,453,956, Nov. 16.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental engine handpiece. 2,448,758, Sept. 7.
- Angelus Paper Box Company, assignee: See—
Barber, Earl.
- Angier Corporation, assignee: See—
Forrest, Marshall W.
- Angier, Robert B., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparing heterocyclic organic compounds. 2,442,836, June 8.
- Angier, Robert B., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparing heterocyclic organic compounds. 2,442,837, June 8.
- Anglo-Iranian Oil Company Limited, assignee: See—
Docksey, Patrick.
Fawcett, Eric W. M., Jenkins, and Habeshaw.
Fawcett, Eric W. M., Millien, and Mulhern.
Fawcett, Eric W. M., and Narracott.
Partridge, William A., and Alty.
- Anheuser, Alfred, West Allis, assignor to E. A. Anheuser, Milwaukee, Wis. File. 2,445,753, July 27.
- Anheuser, Ernest A., assignee: See—
Anheuser, Alfred.
- Anhorn, Victor J.: See—
Montgomery, Charles W., McKinley, and Anhorn.
- Anigraphic Process, Inc., assignee: See—
Tenety, Vincent J.
- Animal Trap Company of America, assignee: See—
Cootes, Harold E., and Graybill.
Koch, Harold B., and Lehn.
- Anish, Alfred W., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Benzoxycarbocyanines and preparation. 2,411,342, May 11.
- Anish, Alfred W., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Chain substituted cyanine dyes containing a carbonyl and thiocarbonyl group. 2,435,865, Feb. 10.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing trinuclear iminol cyanine dyes. 2,450,390, Sept. 28.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Modified cyanine dyes. 2,453,738, Nov. 16.
- Anish, Alfred W., Vestal, and C. A. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of 2-acetonilazoles. 2,447,456, Aug. 17.
- Ankenman, Earl B., Braintree, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus transfer system. 2,454,117, Nov. 16.

- Ankney, Ezra W., Acme, Pa. Apparatus for laying roll roofing. 2,439,681, Apr. 13.
- Annis, Andrew J., Baltimore, Md. Toy balloon. 2,436,684, Feb. 24.
- Annon, Dewey L., Caldwell, Idaho. Animal poke. 2,443,218, June 15.
- Anon, Hattie, administratrix: *See*—Anon, Jacob.
- Anon, Jacob, deceased, by H. Anon, administratrix, assignor to The Goldpress Company, Inc., Bellaire, Ohio. Die clamping means. 2,447,995, Aug. 24.
- Ansar, Anders J., Nyköping, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingö, near Stockholm, Sweden. Automatic record changer for phonographs. 2,435,264, Feb. 3.
- Ansbacher, Stefan: *See*—Fernholz, Erhard, and Ansbacher.
- Ansbacher, Stefan, Rockville Centre, N. Y., and E. Fernholz, deceased, Princeton, N. J., by M. B. Fernholz, administratrix, assignors to E. R. Squibb & Sons, New York, N. Y. Medicinal composition for hemorrhagic conditions. 2,455,398, Dec. 7.
- Ansel, Harry R., Oak Park, Ill. Antiskid device. 2,441,656, May 18.
- Anselmo, Ceyl, Atlantic City, N. J. Brassière. 2,452,345, Oct. 26.
- Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Translating device. 2,440,565, Apr. 27.
- Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Condenser. 2,448,407, Aug. 31.
- Antel, Montague J., Johannesburg, Transvaal, Union of South Africa. Pick and like handles. 2,433,974, Jan. 6.
- Anthony Company, assignee: *See*—Hatala, Raymond F., and Kimber.
- Anthony, David S., and W. B. Blocker, assignors to Anthony Tool Company, San Antonio, Tex. Toolholder assembly. 2,453,959, Nov. 16.
- Anthony, John C.: *See*—Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
- Anthony Tool Company, assignee: *See*—Anthony, David S., and Blocker.
- Antil, Michael, Cortland, N. Y. Collapsible container. 2,456,479, Dec. 14.
- Antioch College, assignee, et al.: *See*—Bean, Morris.
- Antles, Leo C., Wenatchee, Wash. Method of and means for pollinating blossoms. 2,435,951, Feb. 17.
- Anton, Percival J.: *See*—Knaus, Nicholas, and Anton.
- Antonoff, George, City Island, N. Y. Obtaining aluminum hydroxide from silicates. 2,447,386, Aug. 17.
- Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vaned tire. 2,439,033, Apr. 6.
- Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective covering for preventing accumulation of ice on airfoils. 2,440,240, Apr. 27.
- Antonson, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ice removing apparatus for airfoils. 2,440,533, Apr. 27.
- Antony, Charles, Jr., Rockville Centre, N. Y., assignor to The Sperry Corporation. Tube socket. 2,450,873, Oct. 12.
- Antony, Charles, Jr., Baldwin, and D. Mannheimer, Hempstead, N. Y., assignors to The Sperry Corporation. Electrical connector. 2,448,509, Sept. 7.
- Anway, Herman W., Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash. Method of treating bark. 2,437,672, Mar. 16.
- Apel, John H.: *See*—Millikin, Arnold S., and Apel.
- Apex Electrical Manufacturing Company, The, assignee: *See*—Cockerill, Gerald I.
- Apex Railway Products Co., assignee: *See*—Marsh, John W.
- Apex Tool & Cutter Company, assignee: *See*—Catlin, Louis F., Sr., Rourke, and Catlin, L. F., Jr. Sheridan, Henry M.
- Apgar, Charles W., and A. L. Rosenfeld, assignors to C. W. Apgar, A. L. Rosenfeld and F. R. Mann, trustees, Philadelphia, Pa. Rotary drum drying apparatus having means to guide web over drum. 2,440,839, May 4.
- Apgar, John N., Bound Brook, N. J. Trailer coupler. 2,442,914, June 8.
- Appel, Hans, Prague, Germany; vested in the Attorney General of the United States. Low-pressure steam heating system for vehicles. 2,437,673, Mar. 16.
- Applebaum, Litman, Brooklyn, N. Y. Hinge for eyepiece and temple for spectacles. 2,435,918, Feb. 10.
- Appleman, Joseph F., Chicago, Ill. Garment hanger. 2,452,346, Oct. 26.
- Appleton Coated Paper Company, The, assignee: *See*—Phillips, Marlin.
- Appleton Electric Company, assignee: *See*—Tornblom, Nils A.
- Appleton, Robert A., Inyokern, Calif., C. N. Hickman, Jackson Heights, N. Y., and C. F. Bjork, Luke, Md., assignors to the United States of America as represented by the Secretary of War. Igniter for rockets. 2,452,892, Nov. 2.
- Applied Arts Corporation, assignee: *See*—Hendricks, Cornelius.
- Aquilino, Frank, New York, N. Y. Arch steel shank. 2,450,624, Oct. 5.
- Aram, Nathan W., assignor to Zenith Radio Corporation, Chicago, Ill. Phasing network. 2,437,496, Mar. 9.
- Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Antisurge steam generating apparatus. 2,442,281, May 25.
- Arave, Franklin M., and T. W. Nolan; said Arave and said Nolan assignors of one-third to A. A. Foote, and said Nolan assignor of one-third to M. J. Bell, Lava Hot Springs, Idaho. Refuse cart. 2,438,596, Mar. 30.
- Arbee Products Company, assignee: *See*—Smith, Travis O.
- Arboll, Rolf, assignee: *See*—Fjeld, Thorbjörn.
- Arbron, Thomas J., Romeo, Mich. Mold coating method and apparatus. 2,456,853, Dec. 21.
- Archambault, Anthony A., Canton, Mass. Quickly adjustable clamping vise. 2,456,613, Dec. 21.
- Archangeli, Martin D.: *See*—Hoern, Joseph H., and Archangeli.
- Archbald, Joseph A., Jr., Buffalo, N. Y. Method and apparatus for quick-freezing foods. 2,437,414, Mar. 9.
- Archer, James O., Burbank and D. S. Salmi, Glendale, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Tool and method for dimpling. 2,438,837, Mar. 30.
- Archer, John M., and J. A. Pepper, Vineland, N. J. Meat ball forming machine. 2,442,633, June 1.
- Archer, Robert F.: *See*—Dodds, John M., Scoles, Haine, and Archer.
- Archer Rubber Company, assignee: *See*—Callahan, John T., and Gilbertson.
- Archer, Sydney: *See*—Albertson, Noel F., Archer, and Suter.
- Archer, Sydney, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. 6-cycloalkylmethyl-2-thiouracils. 2,444,024, June 29.
- Archer, Sydney, Albany, and N. F. Albertson, East Greenbush, assignors, by mesne assignments, to Winthrop Stearns Inc., New York, N. Y. Preparation of leucine. 2,445,817, July 27.
- Archibald, Francis M.: *See*—Mottern, Henry O., and Archibald.
- Archibald, Peter K.: *See*—Mongomerie, John A., Archibald, and Bradshaw.
- Archibald, Raymond C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of spheroidal catalyst. 2,435,379, Feb. 3.
- Archibald, Raymond C., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Preparing catalysts. 2,435,380, Feb. 3.
- Archibald, Raymond C., Berkeley, and B. S. Greensfelder and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of catalysts. 2,438,379, Mar. 23.
- Arco Company, The, assignee: *See*—Foltz, Harold H.
- Arcrods Corporation, assignee: *See*—Knight, Floyd C., and Pierce.
- Ardele, Edgar, Middletown, assignor to Standard-Knapp Corporation, Portland, Conn. Belt loading machine. 2,448,072, Aug. 31.
- Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Timer for internal-combustion engines. 2,438,889, Apr. 6.
- Arditi, Maurice, Boulogne, Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,434,895, Jan. 27.
- Ardito, William: *See*—Tull, Robert H., Tanner, and Ardito.
- Ardron, Gerald L., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Receptacle-movement controlled filling apparatus. 2,455,723, Dec. 7.
- Ardussi, Wallace F., Lakewood, Ohio, and W. E. Walsh, assignors to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Electric motor reducing drive unit. 2,441,054, May 4.
- Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Cigarette machine feed. 2,447,457, Aug. 17.
- Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Electric lighting. 2,456,166, Dec. 14.
- Arenco Aktiebolag, assignee: *See*—Danielsson, Paul.
- Ekström, Gunnar, and Örström.
- Örström, Gustaf.
- Von Segebaden, Ernst.
- Arengo-Jones, Rhys W., assignor to Thomas J. Lipton Limited, Toronto, Ontario, Canada. Dehydrated food product and making the same. 2,451,312, Oct. 12.
- Arengo-Jones, Rhys W., assignor to Thomas J. Lipton Limited, Toronto, Ontario, Canada. Dehydrated fruit pie filling. 2,451,313, Oct. 12.
- Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Transmission cable. 2,438,380, Mar. 23.

- Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Control mechanism for related control of operated mechanisms. 2,439,356, Apr. 6.
- Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Apparatus for making transmission cables. 2,444,001, June 22.
- Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Control unit. 2,448,696, Sept. 7.
- Arens Controls, Inc., assignee: *See*—Arens, Charles A.
- Arens, Valerian A., Portland, Mich. Combined bottle holder and heater. 2,445,930, July 27.
- Arenson, Simon W., Baltimore, Md., assignor to Doughnut Corporation of America, New York, N. Y. Inhibiting the growth of mold. 2,446,505, Aug. 3.
- Arentz, Johan R. S., Chicago, Ill. Attachment plug and fuse. 2,437,635, Mar. 9.
- Arey, Fred C.: *See*—Hibner, De Los E., and Arey.
- Argus, Incorporated, assignee: *See*—Barstow, Carl A.
Clapp, Roy A.
Leeman, Frederick G.
Meyer, Clarence H.
- Argyle, Christopher S., and S. A. Gibson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Benzthiazole azo dye. 2,441,612, May 13.
- Argyris, Stefanos, New York, N. Y. Electric bicycle. 2,457,430, Dec. 28.
- Ariente, Peter J., Pawtucket, and H. C. Allen, assignors to Sayles Finishing Plants, Inc., Saylesville, R. I. Rendering textile material water repellent, and the product. 2,455,886, Dec. 7.
- Arkay Infants Wear, Inc., assignee: *See*—Buchler, Ernest.
- Arkel Safety Bag Company, assignee: *See*—Ulm, Frederick A.
- Arkus, Catherine, assignor to Feder Industries, Inc., New York, N. Y. Head ornament. 2,456,167, Dec. 14.
- Arma Corporation, assignee: *See*—Aguis, George.
Cunningham, Frederick W.
Davenport, Charles T.
Toner, John P.
- Armantrout, Kenneth M., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control mechanism. 2,438,691, Mar. 30.
- Armatys, Edward, assignor to Interchemical Corporation, New York, N. Y. Pyrazolone azo pigment. 2,454,266, Nov. 23.
- Armbrust Chain Company, assignee: *See*—Armbrust, Ferdinand.
- Armbrust, Ferdinand, Hoxie, R. I., assignor to Armbrust Chain Company. Finishing machine for ornamental chains. 2,454,299, Nov. 23.
- Armbrust, Paul C., Columbus, Ohio. Toy-carrying and releasing device for kites. 2,446,684, Aug. 10.
- Armbruster, John W., East Rockaway, N. Y. Container safety lock. 2,437,674, Mar. 16.
- Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Woven sensing grids for perforated records. 2,448,759, Sept. 7.
- Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Woven sensing grids for perforated records. 2,448,760, Sept. 7.
- Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Circuit bearing element. 2,448,761, Sept. 7.
- Armco Steel Corporation, assignee: *See*—Clarke, William C., Jr.
Feild, Alexander L.
Linnert, George E.
Loveless, Donald L.
Weitzenkorn, Lee F., and Goller.
- Armentrout, Arthur L., assignor of one-half to R. B. Coffman, Long Beach, Calif. Treating coffee. 2,444,217, June 29.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. Re. 23,049, Nov. 23.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Colored glass. 2,433,882, Jan. 6.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Ophthalmic glass. 2,433,883, Jan. 6.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Blue glass. 2,434,139, Jan. 6.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,435,995, Feb. 17.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Glass having low power factor. 2,449,099, Sept. 14.
- Armitage, Frank: *See*—Hewitt, Donald H., and Armitage.
- Armitage, Joseph B.: *See*—Kearney, Edward J.
Trecker, Theodore, and Armitage.
Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
- Armour and Company, assignee: *See*—Colt, Edwin W.
Harrington, Bertie S.
Lesparre, Jean N.
Potts, Ralph H.
Ralston, Anderson W., McCorkle, and Vander Wal.
Roundy, Zola D., and Keil.
Siffert, Robert H.
Speer, Paul.
Whiting, John A., and Whitney.
- Armour Research Foundation, assignee: *See*—Camras, Marvin.
Herbert, William S., and Francis.
Rifenbergh, Clare M.
Tinkham, Russell J.
- Arms, Merton H.: *See*—Day, Bernard C., and Arms.
- Arms, Merton H. and L. J. Barnard, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Chuck. 2,449,831, Sept. 21.
- Armstrong, Charles W., Milford, C. Sadowsky, New York, and L. S. Hetherington, Rockville Centre, N. Y. Automatic diaphragm control. 2,453,693, Nov. 16.
- Armstrong Coal Break Company, assignee: *See*—Armstrong, Frank H.
- Armstrong Cork Company, assignee: *See*—Bare, Martin K., and Stubblebine.
Baymiller, John W.
Biemesderfer, George K., Jr.
Cornelius, Frank H.
Eaby, Le Roy.
Garrett, Richard A.
Jennings, Arthur L., & Brown.
King, Ellis G.
Lyall, John D.
Park, Arthur D., and Johnson.
Powers, Paul O.
Spencer, Virgil.
Weber, Karl H., and Powers.
Wilson, Gardiner C.
Woerner, Herbert R.
- Armstrong, Daniel A., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor support. 2,441,000, May 4.
- Armstrong, Elizabeth J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for examining quartz. 2,442,752, June 8.
- Armstrong, Frank H., Chicago, Ill., assignor to Armstrong Coal Break Company. Blasting cartridge. 2,435,116, Jan. 27.
- Armstrong, Fullerton G. G., Molescroft, Beverley, England. Valve arrangement. 2,451,707, Oct. 19.
- Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit for electromagnets. 2,441,984, May 25.
- Armstrong, George J., Farnborough, England. Fuel supply system for internal-combustion engines. 2,440,241, Apr. 27.
- Armstrong, George J., Farnborough, England. Fuel supply system for internal-combustion engines. 2,440,566, Apr. 27.
- Armstrong, George J., B. Naylor, and J. E. P. Dunning, Farnborough, England. Fuel supply system for internal-combustion engines. 2,440,567, Apr. 27.
- Armstrong, James A., Downey, Calif. Method for separating worm-damaged nuts from sound nuts by immersion in a gravity liquid. 2,451,523, Oct. 19.
- Armstrong, James, & Company, assignee: *See*—Fensey, Charles E.
Newberry, Stanley.
- Armstrong, Juri C., Grand Rapids, assignor to Universal Metal Products Company, Saranac, Mich. Plunger-supporting plug for sprayers. 2,444,015, June 22.
- Armstrong, Robert S., Leonia, N. J. Tube cutting device. 2,446,734, Aug. 10.
- Armstrong, Robert T., Johnson City, Tenn., assignor to United States Rubber Company, New York, N. Y. Preparation of dialkenyl sulfides. 2,446,072, July 27.
- Armstrong Siddeley Motors Limited, assignee: *See*—Heppner, Fritz A. M.
Lindsey, William H., and Allen.
- Armstrong, Wesley G., Yardville, N. J. Water fountain for poultry. 2,455,211, Nov. 30.
- Arnall, Paul E., assignee: *See*—Hayslip, Homer C.
- Arnemo, Helge, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rotor for asynchronous machines. 2,436,414, Feb. 24.
- Arnesen, Walter A., and B. Hertweck, Flushing, and S. W. Doty, Baldwin, assignors to National Electric Instrument Company, Inc., Elmhurst, Long Island, N. Y. Dental and surgical hammer. 2,437,014, Mar. 2.
- Arnhyrn, Albert A., Los Angeles, assignor to Solar Aircraft Company, San Diego, Calif. Fluid fuel combustion device. 2,445,466, July 20.
- Arno, Anthony P., U. S. Navy. Discharge nozzle. 2,449,541, Sept. 21.
- Arnold, David C., O. T. Strand, Jr., and R. V. Lewis, Schenectady, N. Y., assignors to General Electric Company. Piezoelectric crystal apparatus. 2,440,064, Apr. 20.

- Arnold, Edwin, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,436,415, Feb. 24.
- Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,447,482, Aug. 24.
- Arnold, Frank B., New York, N. Y. Packaging. 2,452,174, Oct. 26.
- Arnold, George B., Coral Gables, and T. B. Tyler, Miami Beach, Fla. Transport and shipping dolly. 2,446,518, Aug. 10.
- Arnold, Gordon H., Flint, Mich. Stall indicating warning signal for airplanes. 2,454,587, Nov. 23.
- Arnold, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile process. 2,456,360, Dec. 14.
- Arnold, Herrick R., New Castle County, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tungsten-molybdenum trioxide catalyst. 2,439,880, Apr. 20.
- Arnold, James C., assignor to Lane-Wells Company, Los Angeles, Calif. Molding diaphragms. 2,444,394, June 29.
- Arnold, James L., Oakland, Calif. Painter's easel attachment for ladders. 2,453,355, Nov. 9.
- Arnold, Orlan M., Troy, N. Y. Illuminated display device. 2,448,244, Aug. 31.
- Arnold, Ralph J.: *See*—
Crehan, William J., and Arnold.
- Arnold, Ralph J., Western Springs, Ill., and W. D. MacDonald, Santa Monica, and R. D. Collins, Beverly Hills, Calif., assignors, by mesne assignments, of one-half to Kellogg Switchboard and Supply Company, Chicago, Ill., and one-half to R. D. Collins, Beverly Hills, Calif. Apparatus for producing elastic coils with connecting tails. 2,452,435, Oct. 26.
- Arnoldi, Walter E.: *See*—
Kearns, Charles M., Jr., and Arnoldi.
- Arnott Corporation, assignee: *See*—
Larson, Raymond T.
- Arnot, Alfred R. E., assignor to Rotax Limited, London, England. Electrical potentiometer. 2,442,228, May 25.
- Arnett, Edward G. F.: *See*—
Sullivan, Harold J., and Arnett.
- Arnett, Edward G. F., Upper Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mercury pool electronic device. 2,438,139, Mar. 23.
- Arnett, Edward G. F., Upper Montclair, C. M. Slack, Glen Ridge, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-pressure modulator tube. 2,456,854, Dec. 21.
- Arnett, Edward G. F., Upper Montclair, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unitary multiple spark-gap device. 2,456,855, Dec. 21.
- Arntzen, Edward F., Rockford, Ill. Lamp support and switch. 2,453,694, Nov. 16.
- Aro Equipment Corporation, The, assignee: *See*—
Ginter, Charles W.
Marette, Ralph T., and Richards.
Snyder, Russell D.
- Arone, Nicholas F.: *See*—
Linde, Leonard J., Arone, and Spiro.
- Arone, Nicholas F., Upper Darby, and E. W. Boehne, Drexel Hill, Pa., assignors to General Electric Company. Electric arc extinguishing apparatus. 2,443,017, June 8.
- Aronovsky, Samuel I.: *See*—
Lathrop, Elbert C., and Aronovsky.
- Aronson, Charles N., Niagara Falls, N. Y. Drive for automobiles and the like. 2,448,345, Aug. 31.
- Aronson, David, Greensburg, assignor to Elliott Company, Jeannette, Pa. Refrigerating apparatus. 2,452,711, Nov. 2.
- Aronson, Peter R., Pelham, N. Y., assignor to Union Carbide and Carbon Corporation. Blowpipe nozzle. 2,444,487, July 6.
- Arp, Claus, San Francisco, Calif. Collapsible tube holder. 2,457,024, Dec. 21.
- Arpin, Edmund P., Jr., Neenah, Wis. Rotary refiner. 2,451,708, Oct. 19.
- Arplin, John W., Verona, N. J. Packing assembly for water pistols. 2,435,527, Feb. 3.
- Arps, Bruno F., New Holstein, Wis. Material engaging and moving attachment for tractors. 2,443,883, June 22.
- Arps, Bruno F., New Holstein, Wis. Scoop attachment for tractors. 2,443,884, June 22.
- Arrighi, Enrico, San Francisco, Calif. Side rod attachment for trucks. 2,446,800, Aug. 10.
- Arrington, Conrad J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Knot or slub catcher. 2,434,091, Jan. 6.
- Arrison, John C., Hartford, Conn. Universal hubcap for automobiles. 2,443,760, June 22.
- Arrow-Hart Hegeman Electric Company, The, assignee: *See*—
Bentley, Robert H.
Dietrich, Walter L.
Gates, Frederic P.
Johnson, David W.
Schleicher, Harold E.
- Arrowsmith, John B., assignor to Accles & Shelvoke Limited, Aston, Birmingham, England. Pivoted breech block pistol with a 3-pronged biasing spring. 2,447,891, Aug. 24.
- Arneau, George, Dallas, Tex. Two-wheeled type log- and tree-cutting power saw. 2,435,192, Feb. 3.
- Art Metal Construction Company, assignee: *See*—
Johnson, John A.
Wells, Roy E.
- Arter Grinder Machine Company, assignee: *See*—
Thompson, John G.
- Arter, Roy C., Galion, Ohio. Cartridge loading. 2,440,568, Apr. 27.
- Arthur, Harry J., Chicago, and H. S. McCrory, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Injection molding apparatus. 2,448,947, Sept. 7.
- Arthur, James L., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition distributor. 2,444,325, June 29.
- Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Resistance-capacitance oscillator. 2,444,084, June 29.
- Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Wave generating system. 2,454,367, Nov. 23.
- Artzt, William W., New Rochelle, N. Y., assignor, by mesne assignments, to Lisle Mills, Inc., Allentown, Pa. Garment. 2,437,988, Mar. 16.
- Artzt, William W., New Rochelle, N. Y., and E. Lesavoy, assignors to Lisle Mills, Inc., Allentown, Pa. Garment and making the same. 2,437,989, Mar. 16.
- Arundale, Erving: *See*—
Mikeska, Louis A., and Erving.
- Arundale, Erving, Colonia, N. J., assignor to Standard Oil Development Company. Emulsion polymerization process. 2,434,536, Jan. 13.
- Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Creaming of synthetic rubber latices. 2,444,801, July 6.
- Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Cracking hydrocarbon gases in the presence of finely divided coke. 2,443,714, June 22.
- Arvey Corporation, assignee: *See*—
Johnson, Arnold E.
Roach, Earl M.
- Arvidsson, Algot, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Charging storage batteries. 2,453,960, Nov. 16.
- Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Styrene-oil soluble natural resin-drying oil interpolymers. 2,457,768, Dec. 28.
- Arvin, James A., Homewood, and W. B. Gitchel, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Resinous esters of polyhydric alcohols with polymers of styrene and resin acids and preparation thereof. 2,457,769, Dec. 28.
- Arvin, Marion J., and R. L. Brady, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Variable resistance device. 2,443,018, June 8.
- Asbury, Charles T., Abington, Pa. Bearing lubricator. 2,439,709, Apr. 13.
- Aschmeier, Bradley F., Plant City, Fla. Tooth paste and brush case. 2,444,488, July 6.
- Aschenback, Cyril G., et al., assignee: *See*—
Lord, Francis L.
- Aschner, Thomas C.: *See*—
Bitler, William P., Aschner, and Nicholl.
- Ascoli, Enzo, Sainte-Croix, Switzerland, assignor to Paillard S. A. (Paillard A. G., Paillard Limited). Temporizing or delay device. 2,447,151, Aug. 17.
- Ash, Arthur B., R. E. Carlson, and N. Koslin, Wyandotte, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Production of allyl alcohol. 2,441,540, May 11.
- Ash, Charles S., Milford, Mich. Wheel. 2,439,881, Apr. 20.
- Ash, Jacob R.: *See*—
Stephan, John T., Jarvi, and Ash.
- Ashaway Line & Twine Mfg. Co., assignee: *See*—
Crandall, Julian T.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Valve arrangement for halting reversible rams to prevent over-stroking thereof. 2,436,986, Mar. 2.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Injection machine. 2,453,058, Nov. 2.
- Ashbaugh, Clair F., Portland, Ore. Curtain stretcher. 2,455,640, Dec. 7.
- Ashburn, Harry V.: *See*—
Bergmann, Eric A., Ashburn, and Eckert.
Puryear, Oney P., and Ashburn.
- Ashburn, Harry V., Glenham, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Texture-stable lithium base grease. 2,450,219, Sept. 28.
- Ashburn, Harry V., Glenham, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Texture-stable lithium base grease. 2,450,220, Sept. 28.

- Ashburn, Harry V., Glenham, R. S. Barnett, Beacon, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Shear-resistant grease. 2,450,221, Sept. 28.
- Ashburn, Harry V., Glenham, R. S. Barnett, Beacon, and O. P. Puryear, Fishkill, assignors to The Texas Company, New York, N. Y. Shear-resistant grease. 2,450,222, Sept. 28.
- Ashby, Guy S. M., assignee: *See—*
Higginson, George S.
- Ashdown, Robert F.: *See—*
Ballerion, Richard E., and Ashdown.
- Ashe, Edward J., Knoxville, and O. E. Webber, Fountain City, assignors to Standard Knitting Mills, Inc., Knoxville, Tenn. Undergarment. 2,438,310, Mar. 23.
- Asher, William J., Colorado Springs, Colo. Vibratory conveyor means for ironers. 2,433,975, Jan. 6.
- Ashford, James L., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric switch. 2,457,115, Dec. 23.
- Ashford, James L., and W. A. Billings, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Welding control system. 2,438,490, Mar. 30.
- Ashman, Albert M., Seal Beach, Calif. Flask retainer. 2,442,885, June 8.
- Ashman, Claire, Woodside, Long Island, N. Y. Bath mit. 2,445,987, July 27.
- Ashton, Albert A., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Counterbalance. 2,441,255, May 11.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Piston type accumulator. 2,440,065, Apr. 20.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Servomotor with piston operated locking means. 2,442,577, June 1.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Hydraulic power pack unit. 2,444,550, July 6.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Valve. 2,445,505, July 20.
- Ashton, Benjamin N., Kingston, and N. Kling, Great Neck, assignors to Electrol Incorporated, Kingston, N. Y. Piston locking means for fluid actuated jacks. 2,434,823, Jan. 20.
- Ashton, Charles E., Stockton, Calif. Water shutoff for oil wells. 2,448,205, Aug. 31.
- Ashton, Everett H.: *See—*
Rinne, John, and Ashton.
- Ashton, Howard W., Havertown, Pa., assignor to O. W. Storey, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Electrical apparatus. 2,454,497, Nov. 23.
- Ashton, Howard W., South Ardmore, Pa., assignor to O. W. Storey & Associates, Chicago, Ill. Transducer. 2,454,496, Nov. 23.
- Ashton, Roy S., Brooklyn, N. Y. Extensible safety suspenders. 2,452,538, Nov. 2.
- Ashworth Bros. Inc., assignee: *See—*
Hale, Frederick W.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work guiding means for shoe sewing machines. 2,435,193, Feb. 3.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread finger for shoe sewing machines. 2,438,491, Mar. 30.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,438,986, Apr. 6.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,446,569, Aug. 10.
- Ashworth, Fred, Wenham, and C. W. Carter, Topsfield, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rocket launcher. 2,450,929, Oct. 12.
- Ashworth, Handel: *See—*
Doblin, Percy W., and Ashworth.
- Asiatic Petroleum Company, Limited, The, assignee: *See—*
Lubbock, Isaac.
Lubbock, Isaac, and Poole.
- Askania Regulator Company, assignee: *See—*
Glass, Paul.
- Gundersen, Daniel T., and Glass.
- Aske, Irving E., Muskegon, Mich. Casting apparatus for vibrating molds. 2,439,443, Apr. 13.
- Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Rotor for axial pole induction motors. 2,449,924, Sept. 21.
- Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Disk type rotor for axial pole induction motors. 2,449,925, Sept. 21.
- Askeris, Bert: *See—*
Sipsma, Stewart, and Askeris.
- Askers, William N.: *See—*
MacDonald, Harry F., and Askers.
- Askey, John S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine. 2,437,990, Mar. 16.
- Asling, Jasper H., Cincinnati, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation, Detroit, Mich. Control device for cathode-ray focusing coils. 2,443,973, June 22.
- Aspelin, Leslie L., assignor to Romec Pump Company, Elyria, Ohio. Valve. 2,436,242, Feb. 17.
- Aspenwall, Carl S., Chicago, Ill., assignor to The Eagle Lock Company, Terryville, Conn. Door closer. 2,442,450, June 1.
- Aspey, Wayne S.: *See—*
Wallace, James M., Rawlins, Cumming, and Aspey.
- Assendrup, Bernard J., Seattle, Wash. Toy merry-go-round. 2,444,906, July 13.
- Associated Chemical Company of Canada Limited, assignee: *See—*
Rogers, Linnaeus J.
- Associated Development and Research Corporation, assignee: *See—*
Wallach, Irving D.
Wallach, Robert S.
- Associated Patenteers, Inc., assignee: *See—*
Koch, Frederick.
Powers, Walter P.
- Associated Products, Inc., assignee: *See—*
Pierson, Charles A.
- Associated Screen News Limited, assignee: *See—*
Metzger, Maurice T.
- Astatic Corporation, The, assignee: *See—*
Chorpene, Creed M.
- Astin, James S., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Line fault indicating system. 2,447,625, Aug. 24.
- Aston, Royden N., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,436,134, Feb. 17.
- Astra Bent Wood Furniture Co., assignee: *See—*
Hirsch, Frederic.
- Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Selecting valve for two-temperature refrigerating systems. 2,440,534, Apr. 27.
- Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,454,537, Nov. 23.
- Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,455,850, Dec. 7.
- Ateliers de Construction Electriques de Charleroi, assignee: *See—*
Mees, Herman.
- Ateliers Neyret-Beylier & Piccard-Pictet Societe Anonyme, assignee: *See—*
Danel, Pierre F.
- Athanassiades, John E., Teheran, Iran. Multiple filament electric lamp. 2,445,656, July 20.
- Athans, Francis P., Fort Worth, Tex. Expansible fishhook. 2,449,045, Sept. 14.
- Athey, Ralph S., Tarentum, assignor to Baby Haven Manufacturing Company, Brackenridge, Pa. Combination table and chair. 2,454,118, Nov. 16.
- Athey, Robert T., Armona, Calif. Hobbyhorse. 2,434,783, Jan. 20.
- Athy, Lawrence F., assignor to Continental Oil Company, Ponca City, Okla. Making geophysical explorations. 2,452,515, Oct. 26.
- Atkin, Kenneth C., Toledo, Ohio. Pistol grip motor casing. 2,451,650, Oct. 19.
- Atkins, Carl E., Elgin, assignor to Sun-Kraft, Inc., Chicago, Ill. Ultraviolet ray generator. 2,439,787, Apr. 20.
- Atkins, Carl E., Elgin, assignor to Sun-Kraft, Inc., Chicago, Ill. Circuit for miniature lamps. 2,447,804, Aug. 17.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Balanced modulator circuit. 2,441,127, May 11.
- Atkins, Cedric D.: *See—*
MacDowell, Louis G., Moore, and Atkins.
- Atkins, George E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. Re. 23,057, Dec. 14.
- Atkins, Glenn M.: *See—*
Matthews, Irving C., and Atkins.
- Atkins, Samuel L., New York, N. Y. Line securing device. 2,452,175, Oct. 26.
- Atkinson, Allen S., Haddonfield, N. J. Method and apparatus for optimum economy operation of internal-combustion engines. 2,439,788, Apr. 20.
- Atkinson, Allen S., Haddonfield, N. J. Fuel metering apparatus for supercharged internal-combustion engines. 2,441,948, May 25.
- Atkinson, Earl B., Bay Village, Ohio. Switch box support. 2,454,119, Nov. 16.
- Atkinson, Linwood, Hillman, Mich. Self-aligning swinging drawbar. 2,451,054, Oct. 12.
- Atkinson, Orda Q., Lake Worth, Fla. Combination cigarette and match case. 2,447,787, Aug. 24.
- Atkinson, Paul S., New York, N. Y. Combination contact printer and enlarger. 2,454,422, Nov. 23.
- Atkinson, Ralph L.: *See—*
Staunton, LeRoy W., and Atkinson.
- Atkinson, Ralph W., Westfield, N. J., assignor to General Cable Corporation, New York, N. Y. Insulated electrical cable. 2,443,974, June 22.
- Atlantic Carton Corporation, assignee: *See—*
Whitehead, Earl B.
- Atlantic Pipe Line Company, assignee: *See—*
Wood, Joseph H., Jr.

- Atlantic Refining Company, The, assignee: *See*—
 Ciapetta, Frank G.
 Gzinski, Felix C.
 Ferris, Seymour W.
 Ferris, Seymour W., Lamson, and Smith.
 Griesinger, William K.
 Heiligmann, Randall G.
 Krug, Robert C.
 Lawhorne, William M.
 Macuga, Stephen J., Ciapetta, and Heiligmann.
 McCormick, Darwin M.
 McGrogan, John F.
 Myers, William A., and Hall.
 Nachod, Frederick C.
 Turner, William R.
 Van Hartesveldt, Carroll H.
 Woodcock, Charles H.
- Atlas Consolidated Corporation: *See*—
 Turkat, Meyer.
- Atlas Imperial Diesel Engine Co., assignee: *See*—
 Laxo, Ed.
- Atlas Powder Company, assignee: *See*—
 Brown, Kenneth R.
 Carey, Claude H.
 Cohan, Alvin M.
 Goepf, Rudolph M., Jr.
 Hales, Ralph A.
 Jefferson, George D.
 McFarland, David M.
 Reager, William F.
- Atlas Supply Company, assignee: *See*—
 Folk, Irvin W.
- Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Thermionic emitting device. 2,445,257, July 13.
- Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Electron emitter. 2,452,626, Nov. 2.
- Atlee, Zed J., Elmhurst, assignor to General X-Ray Corporation, Chicago, Ill. Grid construction. 2,457,626, Dec. 28.
- Atomic Energy Commission, United States of America, as represented by the, assignee: *See*—
 Crampton, George S.
 Lindsay, William S.
 McCombie, Horace R., and Wilder.
 Parker, Herbert M.
 Weller, Barton L.
 Williams, John W., and Bevilacqua.
- Attapulugus Clay Company, assignee: *See*—
 Delaplace, Albert.
 Haubroe, Werner C. L.
 Heinemann, Heinz, and Krieger.
 Herkert, Louis.
 La Lande, William A., Jr.
 Laughlin, Carl D., and Gwyn.
 Marchand, Jean J. M. L.
 Voit, Willy.
 Wunsch, Guido, Weinkauff, Sadowski, and Kobischke.
- Atteslander, Edouard, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Device for adjusting the blades of ship's propellers. 2,456,361, Dec. 14.
- Attorney General of the United States, assignee: *See*—
 Aas, Bjarne.
 Appel, Hans.
 Bakonyi, Stefan.
 Bardin, Georges.
 Bechereau, Louis.
 Bergier, Jacques, Eskenazi, and Helbronner.
 Bricout, Pierre.
 Carrier, Marcel.
 Chanal, Lucien.
 Crespi, Silvio B.
 Dallenbach, Walter.
 Diterichs, Wladimir.
 Dohrn, Max, and Laubereau.
 Elle, Maurice, Gutton, Hugon, and Ponte.
 Ferretti, Antonio.
 Földi, Zoltán, Gerecs, Demjén, and König.
 Gouy, Léon.
 Gravina, Michel, and Hawadler.
 Grunfeld, Maximilien.
 Heitz-Boyer, Maurice G.
 Hintze, Gustav.
 Hopff, Heinrich, and Rapp.
 La Lande, William A., Jr.
 Lautenschlager, Carl L., and Lindner.
 Lejeune, Leon S. M.
 Mayer, Ernest.
 Miquet, Paul L. J., and Perron.
 Molly, Hans.
 Muller, Jacques.
 Perreau, Armand R. E. A.
 Rasmussen, Christian O.
 Rinla, Herre.
 Roelen, Otto, and Felsst.
 Salomon, François M. M. B.
 Schlumberger, Marcel.
 Sluyter, Nicolaas.
 Tauty, René.
 Waselge, Charles R.
 Wechsberg, Raoul.
 Wolff, Hanns-Heinz.
 Wolff, Julius.
- Attridge, Richard F., Revere, Mass. Tube-bending mandrel. 2,444,907, July 13.
- Attschuler, William H., Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Removable clean-out closure. 2,440,766, May 4.
- Atwell, Clarence A., Pittsburgh, and E. O. Mueller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual generator ventilation. 2,454,120, Nov. 16.
- Atwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Effecting catalytic conversions. 2,438,029, Mar. 16.
- Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Effecting catalytic conversions. 2,443,673, June 22.
- Atwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Production of synthesis gas. 2,448,290, Aug. 31.
- Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Producing hydrocarbon and the like. 2,452,712, Nov. 2.
- Atwood, Charles E., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible index signal means. 2,449,576, Sept. 21.
- Atwood, Edwin H.: *See*—
 Payne, John W., Valas, Atwood, and Bergstrom.
- Atwood, Horace, Jr., Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Radio dial scales projector. 2,435,564, Feb. 10.
- Atwood, Horace, Jr., Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television receiver antenna. 2,440,597, Apr. 27.
- Atwood Vacuum Machine Company, The: *See*—
 Johnson, George H.
 Schofield, Earl L., and Lustig.
 Tierney, William J., Harmon, and Villemure.
- Atwood, Wilmerth R., Odessa, Tex. Gun perforator. 2,439,643, Apr. 13.
- Auberman, Peter, Caldwell, Idaho. Receptacle filling apparatus. 2,440,354, Apr. 27.
- Aubert, Fred B., Grosse Pointe, and De L. E. Scott, Detroit, Mich., said Scott assignor to said Aubert. High-frequency spark igniter burners. 2,444,239, June 29.
- Aubrey, William M., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Froth level controlling device. 2,451,144, Oct. 12.
- Auburn, Basil J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for reel motors. 2,451,901, Oct. 19.
- Auby, André, Puteaux, assignor to Société à Responsabilité Limitée Etablissements Bertrand Faure, Puteaux (Seine), France. Resilient mattress for seats, cushions, or other applications. 2,434,382, Jan. 13.
- Auchter, Richard J.: *See*—
 Craig, Kenneth A., and Auchter.
- Auda, Valentine, executor: *See*—
 Ravella, Jean A.
- Audette, Benjamin J., assignee: *See*—
 Stunkel, Werner W.
- Audier, Mark, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Timing system. 2,442,578, June 1.
- Auer, Frederick, Teaneck, assignor to Champlain Company, Inc., Bloomfield, N. J. Chase die assembly. 2,456,240, Dec. 14.
- Auer, John, East Norwalk, Conn. Attachable light for sewing machines. 2,447,833, Aug. 24.
- Auer, Laszlo, South Orange, N. J. Aqueous dispersions of vulcanized fatty oils. 2,433,831, Jan. 6.
- Auer, Laszlo, South Orange, N. J. Resin treatment. 2,433,832, Jan. 6.
- Auer, Laszlo, South Orange, N. J. Flattening agent and making same. 2,433,833, Jan. 6.
- Auer, Laszlo, South Orange, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Process for making rubber extenders. 2,437,925, Mar. 16.
- Auer, Laszlo, South Orange, N. J. Esterified rosin modified with organic acids and making same. 2,440,242, Apr. 27.
- Auer, William F., Menasha, Wis. Ventilated toilet. 2,452,282, Oct. 26.
- Auerbach, Maurice J., Cleveland Heights, assignor to Standard Vendors, Inc., Cleveland, Ohio. Coin-controlled device. 2,453,398, Nov. 9.
- Auger, Claude H., Saugus, Mass., assignor to General Electric Company. Gas turbine. 2,442,579, June 1.
- Ault, Waldo C.: *See*—
 Swern, Daniel, and Ault.
- Ault, Waldo C., Philadelphia, and B. B. Schaeffer, Upper Darby, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Rubber-like product and preparation. 2,452,092, Oct. 26.
- Aurillo, Joseph M., Fairfield, and J. H. Schechter, assignor to McNeil Bros. Inc., Bridgeport, Conn. Horizontal liquid current separator. 2,453,293, Nov. 9.
- Auskelis, John V., Dorchester, and J. H. Martino, Mattapan, Mass. Clothes hanger for vehicles. 2,454,368, Nov. 23.
- Ausland, Lewellyn L.: *See*—
 McLimans, John F., and Ausland.

- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. High-frequency vibrator. 2,445,382, July 20.
- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Driver contact vibrator. 2,447,046, Aug. 17.
- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,447,047, Aug. 17.
- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator power supply. 2,453,612, Nov. 9.
- Aust, Robert J., and C. Huetten, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Support for vibratory motors. 2,443,019, June 8.
- Austen, Walter E., Melbourne, Victoria, Australia. Clinometer. 2,449,870, Sept. 21.
- Austenal Laboratories, Incorporated, assignee: *See*—Feagin, Roy C.
- Feagin, Roy C., and Zahn.
- Austin, Albert B., Minneapolis, Minn. Air-heating device for fireplaces. 2,439,503, Apr. 13.
- Austin, Bascom O.: *See*—Killian, Orvel G., and Austin.
- Austin, Bascom O., and O. C. Walley, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Starting gas turbines. 2,443,648, June 22.
- Austin Company, The, assignee: *See*—Gannett, Joseph K., Smith, Jr., and Saveland.
- Austin, Dwight E., assignor to Twin Coach Company, Kent, Ohio. Steerable dual wheel mounting on a vehicle axle. 2,444,025, June 29.
- Austin, Dwight E., Kent, assignor to Samuel Moore & Company, Cleveland, Ohio. Stanchion connection. 2,456,480, Dec. 14.
- Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth-mover blade with vibrating attachment. 2,443,492, June 15.
- Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Selective hydraulic control structure. 2,449,269, Sept. 14.
- Austin, Frank, Long Beach, Calif. Sucker rod backoff wheel. 2,450,103, Sept. 28.
- Austin, Leslie W., San Jose, assignor, by mesne assignments, to The Permanente Metals Corporation, Oakland, Calif. Refractories. 2,434,451, Jan. 13.
- Austin Motor Company Limited, The, assignee: *See*—Haefel, Julius C.
- Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of highly halogenated fluoroalkanes. 2,449,360, Sept. 14.
- Austin, Robert R., Inglewood, Calif. Hair drier. 2,453,179, Nov. 9.
- Austin, Seneca B., Balboa, C. Z. Breathing shoe. 2,437,065, Mar. 2.
- Auten, Claude I., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Combination plastic and metal building construction. 2,438,140, Mar. 23.
- Auten, Claude I., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Prefabricated metal house construction. 2,439,960, Apr. 20.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,436,186, Feb. 17.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,440,217, Apr. 20.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,442,159, May 25.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,442,634, June 1.
- Auten, Robert W., Jenkintown, Pa., and W. L. Evers, Moorestown, N. J., assignors to The Resinous Products & Chemical Company. Allyl and/or methallyl alcohol-modified carbamide-aldehyde resins and producing same. 2,442,747, June 8.
- Auten, Robert W., Jenkintown, and J. L. Rainey, Abington, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Nitrogenous resins containing alkylene sulfonate groups. 2,444,802, July 6.
- Auto Diesel Piston Ring Company, assignee: *See*—Heinrich, August H.
- Auto Diesel Piston Ring Company, The, assignee: *See*—Heinrich, August H.
- Autogiro Company of America, assignee: *See*—Campbell, Harris S.
- Perry, Julian P.
- Pitcairn, Harold F.
- Pitcairn, Harold F., and Stanley.
- Stanley, Paul H.
- Synnestvedt, Kenneth P.
- Autolift Accessory and Engineering Company, assignee: *See*—Baker, Vincent T., Davisson, and Parker.
- Automatic Devices Corporation, assignee: *See*—Jackson, Alfred F.
- Automatic Electric Laboratories, Inc., assignee: *See*—Baker, George T.
- Blair, William R., and Woodruff.
- Candy, Charles M., and Owen.
- Crabtree, Leonard F.
- Evers, Harry G.
- Giannini, Gabriel M.
- Grandstaff, Otto D.
- Graybill, Kenneth W.
- Henrikson, Oscar W., and Obergfell.
- Herrick, Roswell H.
- Hopley, Horace E.
- Kucera, Barney J.
- Laney, Virgil H.
- Lomac, Clarence E.
- McClew, John W., and Pearce.
- McCreary, Harold J.
- Mullerheim, Kurt.
- Obergfell, Herbert F.
- Ostline, John E.
- Peterson, Edward S.
- Riebe, Theodore C.
- Rugh, Harry O.
- Sargisson, Robert L., and Obergfell.
- Voss, John H.
- Willis, Bernard D., deceased.
- Wood, Frederic E.
- Wood, Frederic E., Gienger, Dedker, and Sargisson.
- Automatic Instrument Company, assignee: *See*—Andres, Lloyd J.
- Automatic Locking Devices, Incorporated, assignee: *See*—Spragen, Louis.
- Automatic Manufacturing Corporation, assignee: *See*—Ketcham, Lyman G.
- Automatic Products Company, assignee: *See*—Johnson, Roy W., and Zarwell.
- McCarty, Lourdes V.
- Automatic Pump & Softener Corporation, assignee: *See*—Johnson, Bruce W., and Bullerjahn.
- Riche, Arthur L.
- Automatic Shifters, Inc., assignee: *See*—Ongres, Jeannot G.
- Automatic Steel Products, Inc., assignee: *See*—Wickwire, Arthur M., and Zimmermann.
- Automatic Temperature Control Co., Inc., assignee: *See*—Morton, Jens.
- Automatic Voting Machine Corporation, assignee: *See*—Gustavson, Alvin N.
- Automotive Products Company, Limited, assignee: *See*—Hayman, Bernard M.
- Autophone Aktiengesellschaft, assignee: *See*—Tschumi, Otto.
- Autopulse Corporation, assignee: *See*—Harrington, Lester B.
- Auto Research Corporation, assignee: *See*—Kocher, Edward H.
- Auto Specialties Manufacturing Company, assignee: *See*—Mueller, Joseph J.
- Autoxygen, Inc., assignee: *See*—Kokatnur, Vaman R.
- Autoyre Company, Incorporated, The, assignee: *See*—Sanford, Roy S., and Kurti.
- Auxier, Robert W.: *See*—Hill, Charles F., and Auxier.
- Auxier, Robert W., Forest Hills, and P. Norelli, McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminating. 2,439,918, Apr. 20.
- Avakian, Souren: *See*—Martin, Gustav J., and Avakian.
- Avakian, Souren, Oreland, assignor to The National Drug Company, Philadelphia, Pa. Para-([N]-dialkyl pyrryl) benzoates. 2,448,408, Aug. 31.
- Avakian, Souren, Oreland, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. N-4 (quinazoline) amino benzoyl glutamic acid. 2,440,649, Apr. 27.
- Avco Manufacturing Corporation, assignee: *See*—Anderson, William S., Jr.
- Asing, Jasper H.
- Caminez, Harold.
- Chubb, Leroy B.
- Davidson, Lloyd H.
- Davis, Dwillard J.
- Dittmar, William R.
- Kidd, Robert S.
- Leydorf, George F.
- Money, Roland H., and Craig.
- Rohm, Fredric G.
- Snader, Ira J.
- Snader, Ira J., and Forsyth.
- Wiegman, Clarence H.
- Avera, Fitzhugh L., Laguna Beach, and J. L. Rosefield, Oakland, Calif.; said Avera assignor to said Rosefield. Rendering flavors accessible in nut butters and stabilization thereof. 2,447,387, Aug. 17.
- Avery, Clarence L., assignor to Woodward Governor Company, Rockford, Ill. Turbine gate latch mechanism. 2,436,372, Feb. 24.
- Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Reversible cyclic power transmission mechanism. 2,439,555, Apr. 13.

- Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electron lens assembly. 2,452,893, Nov. 2.
- Bachman, Fred E.: *See*—
Schlegel, Walter L., Jr., and Bachman.
Tack, Carl E., and Bachman.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,437,219, Mar. 2.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,447,305, Aug. 17.
- Bachmann Bros., Inc., assignee: *See*—
McNeill, Albert G.
- Back, Frank G., New York, N. Y. Varifocal lens for cameras. 2,454,686, Nov. 23.
- Backe, George T., Jr., Jersey City, N. J. Tire skid chain. 2,443,219, June 15.
- Backer, Lyle A.: *See*—
Wing, Arthur K., Jr., and Backer.
- Backlund, Peter S.: *See*—
Polizzotto, Paul L., and Backlund.
- Backs, William H., Lockwood, Mo. Sack holder. 2,452,826, Nov. 2.
- Backstrom, John A., Euclid, Ohio, assignor to The Breck Company. Cutting toolholding means for machine tools. 2,451,371, Oct. 12.
- Baclawski, Theodore, Philadelphia, Pa., assignor to Philco Corporation. Electrical bridge network. 2,450,930, Oct. 12.
- Bacon, Emra D., Cleveland, Ohio. Synchronous electric motor. 2,454,026, Nov. 16.
- Bacon, Frederick E.: *See*—
Kroll, William J., and Bacon.
- Bacon, Henry M., Dayton, Ohio, assignor to The Dayton Rubber Company. Drop box picker. 2,437,342, Mar. 9.
- Bacon, Henry M., Dayton, Ohio, assignor to The Dayton Rubber Company. Card feed roll. 2,442,333, June 1.
- Bacon, Kenneth D.: *See*—
Young, Arthur E., and Bacon.
- Bacon, Leslie R.: *See*—
Tremain, Henry E., and Bacon.
West, Walter F., Bacon, and Vaughn.
- Bacon, Reginald G. R., H. Taylor, and L. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Aqueous polyvinyl chloride/poly-styrene dispersions. 2,449,684, Sept. 21.
- Bacon, Thomas P., Jr., Oakland, Calif. Vulcanizing mold. 2,440,321, Apr. 27.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,454,301, Nov. 23.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of selectors over communication channels by storage controlled transmitters. 2,455,724, Dec. 7.
- Bader, Alfred G., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Variable-speed transmission. 2,457,431, Dec. 28.
- Badeau, Carroll A., Westfield, and J. B. Clapp, North Plainfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Grounding pole plate. 2,455,641, Dec. 7.
- Bader, Edward G., Hawthorne, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Contractile film spool. 2,454,984, Nov. 30.
- Bader, Harry J., and W. C. Daniel, assignors to The Troy Sunshade Company, Troy, Ohio. Window construction. 2,455,462, Dec. 7.
- Bader, Joseph P., Brooklyn, assignor to The Emil Greiner Company, New York, N. Y. Manostat. 2,436,350, Feb. 17.
- Badger Fire Extinguisher Company, assignee: *See*—
Paul, Lawrence C.
- Badmaleff, Alexis, Indianapolis, Ind., assignor to Radio Corporation of America. Signal translating apparatus. 2,445,990, July 27.
- Baeher, Bernard J., New York, N. Y. Self-balancing potentiometer. 2,452,539, Nov. 2.
- Baer, Georges, Faudex-Lausanne, Switzerland. Hatching device. 2,453,356, Nov. 9.
- Baer, John M., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Vacuum drying. 2,457,116, Dec. 23.
- Baer, Samuel L., Youngstown, Ohio. Window sash construction. 2,455,642, Dec. 7.
- Baeza, Daniel, Brooklyn, N. Y. Double-acting wrench for flanges. 2,454,027, Nov. 16.
- Bagge, Kaj, Sunland, Calif. Portable small hand tool vise. 2,438,797, Mar. 30.
- Baghuis, Ludovicus H., Utrecht, Netherlands. Spring suspension for motorbuses or like vehicles. 2,447,679, Aug. 24.
- Bagnall, Joseph C., Jr., Attleboro, Mass., assignor to Swank, Inc. Extension key chain. 2,457,195, Dec. 28.
- Bahan, George F., Charlotte, N. C. Bobbin control for battery looms. 2,455,463, Dec. 7.
- Bahan, William H., Greenville, S. C. Driving means for looms. 2,449,157, Sept. 14.
- Bahner, Carl T., Jefferson City, Tenn. B-diketones and preparing them. 2,447,626, Aug. 24.
- Bahnon, Agnew H., Jr., Winston-Salem, N. C. Air conditioning apparatus. 2,440,627, Apr. 27.
- Bahnon, Agnew H., Jr., Winston-Salem, N. C. Ductless system. 2,450,571, Oct. 5.
- Baldwood, Robert B., assignor of one-half to B. N. Spencer, Jr., Dallas, Tex. Safety gas cock. 2,444,889, July 6.
- Baier, Ludwig S., Milwaukee, Oreg. Bottle carrier. 2,436,501, Feb. 24.
- Baier, Willard E., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pectic acid compositions. 2,436,086, Feb. 17.
- Baier, Willard E., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Recovery of hesperidin. 2,442,110, May 25.
- Baierlein, George W., Springfield, Mass., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel injection pump. 2,455,289, Nov. 30.
- Baierlein, George W., Springfield, Mass., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Discharge valve assembly for fuel injector pumps. 2,455,290, Nov. 30.
- Bailey, Benjamin F., Ann Arbor, assignor to United Lens Corporation, Detroit, Mich. Directional signal and circuits therefor. 2,456,242, Dec. 14.
- Bailey, Charles L.: *See*—
Lambert, Robert D., and Bailey.
- Bailey, Christopher E. G., Bournemouth, assignor to The Mullard Radio Valve Company Limited, London, England. Phase modulator. 2,437,872, Mar. 16.
- Bailey, Christopher E. G., Bournemouth, Hants, England, assignor to Radio Transmission Equipment Limited, London, England. Radio navigational aid. 2,438,987, Apr. 6.
- Bailey, Christopher E. G., Bournemouth, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical condenser. 2,449,577, Sept. 21.
- Bailey Company, Inc., The, assignee: *See*—
Bailey, David C.
Merrill, Oliver B.
- Bailey, David C., assignor to The Bailey Company, Inc., Amesbury, Mass. Window glass channel guide. 2,446,516, Aug. 10.
- Bailey, Edward A.: *See*—
Schulz, Edward A., and Bailey.
- Bailey, Edward T. W.: *See*—
Kerry, Frank G., and Bailey.
- Bailey, Emmett C., Washington, D. C. Swinging seesaw. 2,457,627, Dec. 28.
- Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Westfield, and T. B. Stillman, South Orange, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heat exchange installation. 2,444,908, July 13.
- Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Westfield, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater. 2,447,306, Aug. 17.
- Bailey, George B., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Gas analyzer. 2,448,206, Aug. 31.
- Bailey, Grant C.: *See*—
Himel, Chester M., and Bailey.
- Bailey, Harold P., and G. S. Taylor, Niagara Falls, assignors to International Paper Company, New York, N. Y. Device for watermarking paper. 2,442,673, June 1.
- Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Apparatus for shaping plastics by extrusion. 2,443,289, June 15.
- Bailey, James R., Fort Worth, Tex. Shelf elevating mechanism for food containers. 2,455,154, Nov. 30.
- Bailey, John J., assignee: *See*—
Harrison, Eugene I.
- Bailey, Laurelle W., Los Angeles, Calif. Sorting apparatus. 2,443,761, June 22.
- Bailey Meter Company, assignee: *See*—
Barnes, Frederick A.
Dickey, Paul S.
Fitch, Edward W.
Hoffman, Howard T.
Hornfeck, Anthony J.
Johnson, Clarence.
Johnson, Clarence, Gorrie, and Dickey.
Junkins, Raymond D., and Hornfeck.
Wise, Frederic E.
Woolley, Rew E.
- Bailey, Neil P.: *See*—
McMahan, Kenton D., and Bailey.
- Bailey, Richard W., and M. M. Harding, assignors to Milo Harding Co., Los Angeles, Calif. Duplicating machine. 2,439,070, Apr. 6.
- Bailey, Roy L., Denver, Colo. Attachment for baby buggies. 2,442,334, June 1.
- Bailey, Theodore, Habana, Cuba. Caster for furniture. 2,437,312, Mar. 9.
- Bailey, Theodore, Habana, Cuba. Liquid dispenser handle and valve actuator. 2,445,101, July 13.
- Bailie, James C.: *See*—
See, Melvin J., and Bailie.
- Bailleaux, Paul A., Glendale, Calif. Exercising apparatus. 2,436,987, Mar. 2.
- Bailie, Samuel, New Invention, Willenhall, England. Chuck device, particularly for coal cutting machines. 2,438,774, Mar. 30.
- Baima, Dominick B., Detroit, Mich. Fish lure. 2,455,155, Nov. 30.

- Bain, Joseph P., and A. H. Best, Jacksonville, Fla., assignors, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Isomerization of bicyclic substances and products resulting therefrom. 2,453,110, Nov. 9.
- Bair, Robert R.: *See*—
Benner, Harry L., and Bair.
- Bair, Robert R., H. L. Benner, Niagara Falls, and J. F. Walker, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright zinc plating. 2,451,426, Oct. 12.
- Baird, Bruce M.: *See*—
Gibbs, Frank C., Baird, and Brosamer.
- Baird, Clyde W., Columbus, Ohio. Detecting and alarm system. 2,435,996, Feb. 17.
- Baird, Hugh S.: *See*—
Kolehmainen, Elmar, and Baird.
- Baird Machine Company, The, assignee: *See*—
Lewis, Arthur J.
- Baird, William M., Chicago, Ill. Locker refrigerating system. 2,437,451, Mar. 9.
- Baird, William M., Chicago, Ill. Forced air circuit refrigerating apparatus. 2,437,452, Mar. 9.
- Baird, William M., Chicago, Ill. Drawer for refrigerated lockers. 2,448,949, Sept. 7.
- Baizer, Manuel M.: *See*—
Donleavy, John J., and Baizer.
- Bakalar, Arthur B., assignor to Shell Development Company, San Francisco, Calif. Condensation products from ketones and alkyl organic compounds and producing the same. 2,455,643, Dec. 7.
- Bake, Louis S., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Self-curing polychloroprene compositions. 2,455,911, Dec. 14.
- Bakelaar, John H.: *See*—
Carroll, Fred M., Bakelaar, and Pond.
- Bakelite Corporation, assignee: *See*—
Butler, William H.
Duggan, Fred W.
Marshall, Walter R.
Swallow, Herbert A.
Swallow, Herbert A., and De Vilbiss.
Wheeler, William R.
- Baker, Aaron A., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Lock device for well tools. 2,450,822, Oct. 5.
- Baker, Albert L., Summit, A. R. C. Markl, Teaneck, and A. Blahut, Trenton, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Lined pipe. 2,451,145, Oct. 12.
- Baker, Albert L., Summit, W. H. Hill, Pennington, and A. R. C. Markl, Teaneck, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Internally insulated lined vessel. 2,451,146, Oct. 12.
- Baker, Arnold, New Haven, Conn. Link belt unloader. 2,449,543, Sept. 21.
- Baker, Arvid H., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Preparing cellular glass slabs. 2,445,298, July 13.
- Baker Axle Company, assignee: *See*—
Baker, Erle K.
- Baker, Benjamin P.: *See*—
Leeds, Winthrop M., and Baker.
Ludwig, Leon R., and Baker, and Cumming.
- Baker, Benjamin P., Turtle Creek, and R. H. Leitzel, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,447,627, Aug. 24.
- Baker, Benjamin P., Turtle Creek, and D. C. Harker, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,454,121, Nov. 16.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Cyanothiophanes and preparing same. 2,440,659, Apr. 27.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Hydroxythiophane carboxylic acids and esters and methods of preparing same. 2,451,427, Oct. 12.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Dihydrothiophenes and preparing same. 2,451,428, Oct. 12.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Ureylene thiophane carboxylic acids and esters and preparing same. 2,453,564, Nov. 9.
- Baker, Bernard R., Nanuet, and M. V. Querry, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Thiophane carboxyhydrazides and preparing the same. 2,451,429, Oct. 12.
- Baker, Carlos J.: *See*—
Statham, Louis D., Baker, and Swartzel.
- Baker Castor Oil Company, The, assignee: *See*—
Jubanowsky, Louis J.
- Baker, Charles O., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Two-stage alkylation with olefin streams containing propylene and ethylene. 2,442,160, May 25.
- Baker, Chester A., Glen Ridge, N. J., assignor to Baker Ice Machine Company, Incorporated, Omaha, Nebr. Apparatus for freezing and storing foods. 2,444,489, July 6.
- Baker, Chester L., Narberth, and R. H. Sams, Upper Darby, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Adhesive and making. 2,457,108, Dec. 28.
- Baker, Cliff, Los Angeles, assignor of one-half to J. L. Mason, Encino, Calif. Electrical connector. 2,443,975, June 22.
- Baker Co. Inc., assignee: *See*—
Zu Eltz, Alexander E.
- Baker & Company, Incorporated, assignee: *See*—
Shreir, Louis L.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,445,845, July 27.
- Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,455,969, Dec. 14.
- Baker, David B.: *See*—
Rogers, Clifford R., Bechman, and Baker.
- Baker, David B., Riverside, Ill., assignor to International Harvester Company. Cotton picker spindle structure. 2,440,767, May 4.
- Baker, Earl J., Parma, and H. F. Baker, Detroit, Mich. Disk record holder. 2,453,399, Nov. 9.
- Baker, Edgar B.: *See*—
Gloss, Gunter H., and Baker.
- Baker, Edgar B., Burlingame, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Production of magnesium compounds. 2,442,481, June 1.
- Baker, Edna J., Los Angeles, Calif. Key holder. 2,455,968, Dec. 14.
- Baker, Erle K., Detroit, Mich., assignor to Baker Axle Company, Cleveland, Ohio. Pump. Re. 23,067, Dec. 28.
- Baker, Erwin G., Indianapolis, Ind. Rotary valve mounting. 2,437,181, Mar. 2.
- Baker, Erwin G., Indianapolis, Ind. Heat engine. 2,444,764, July 6.
- Baker, George T., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Contact bank of switches and cabling arrangement between switches in automatic telephone systems. 2,435,025, Jan. 27.
- Baker, George W.: *See*—
Hector, Luther G., Baker, and Muto.
- Baker, Gerald T., Clearwater, Nebr. Hay fork. 2,435,119, Jan. 27.
- Baker, Harold L., Clovis, Calif. Vulcanizer. 2,445,054, July 13.
- Baker, Harry E., Oakland, Calif. Cable greasing device. 2,435,120, Jan. 27.
- Baker, Harry J., Speedway, Ind., assignor to Union Carbide and Carbon Corporation. Arrester element. 2,447,048, Aug. 17.
- Baker, Hayward R.: *See*—
Zisman, William A., and Baker.
- Baker, Hayward R., Mt. Rainier, Md., and W. A. Zisman, Washington, D. C., assignors to United States of America as represented by the Secretary of the Navy. Additives for silicone oils. 2,447,483, Aug. 24.
- Baker, Henry C., Muskegon, Mich. Flag for mail boxes. 2,447,152, Aug. 17.
- Baker, Herbert F.: *See*—
Baker, Earl J. and H. F.
- Baker, Hobart, New Hyde Park, N. Y. Film viewer having a magazine for consecutively viewing films. 2,444,971, July 13.
- Baker Ice Machine Company, Incorporated, assignee: *See*—
Baker, Chester A.
- Baker, J. T., Chemical Co., assignee: *See*—
Little, Kenneth B., and Burton.
- Baker, James A., Rushford, assignor of one-half to E. Kjos, Lanesboro, Minn. Pole gin. 2,439,122, Apr. 6.
- Baker, James A., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Package assembly. 2,456,610, Dec. 21.
- Baker, John B., and H. D. Stover, assignors to The Timken Roller Bearing Company, Canton, Ohio. Self-contained roller-bearing cage. 2,454,028, Nov. 16.
- Baker, John G., Evansville, Wis., assignor to United Aircraft Corporation, East Hartford, Conn. Propeller vibration damping means. 2,447,628, Aug. 24.
- Baker, John W., Jr., San Jose, Calif. Tow bar. 2,444,086, June 29.
- Baker, Lester A., assignee: *See*—
Deakins, Grover C.
- Baker Manufacturing Company, The: *See*—
Washington, Harry H.
- Baker, McMillen Co., The, assignee: *See*—
Sperry, John A.
- Baker Oil Tools, Inc., assignee: *See*—
Baker, Aaron A.
Baker, Reuben C.
Childers, Roscoe O.
- Baker, Ovid C.: *See*—
Abrams, Armand J., Gorin, and Baker.
- Baker, Rest R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric drive. 2,441,985, May 25.

- Baker, Rest R., Swissvale, and W. R. Harris, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for paper machine drives. 2,445,416, July 20.
- Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Underreamer. 2,457,628, Dec. 28.
- Baker, Richard F.: *See*—
Hillier, James, and Baker.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controlled induction heating. 2,448,008, Aug. 31.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inductive heating of longitudinally moving metal strip. 2,448,009, Aug. 31.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induced heating of continuously moving metal strip with pulsating magnetic flux. 2,448,012, Aug. 31.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,456,611, Dec. 21.
- Baker, Robert M., Pittsburgh, G. R. Monroe, Sharon, and R. D. Reed, Clark, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transverse flux induction heating furnace structure. 2,448,010, Aug. 31.
- Baker, Robert M., Pittsburgh, and G. W. Penney, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and apparatus for induction heating of metal strips. 2,448,011, Aug. 31.
- Baker, S. S., assignee: *See*—
McGoffin, William W.
- Baker, Samuel S., Batontown, and R. F. Batchelar, Hillsdale, N. J., assignors to American Loose Leaf Corporation. Unidirectional locking apparatus. 2,440,038, Apr. 20.
- Baker, Theodore C., Newton, assignor to Hartford-Empire Company, Hartford, Conn. Cooling hollow glass articles, such as bottles. 2,443,674, June 22.
- Baker, Vincent T., and H. T. Davison, Pueblo, Colo., and O. S. Parker, Jr., assignors to Autolift Accessory and Engineering Company, Kingston, Pa. Material handling platform. 2,444,326, June 29.
- Baker, Walter E., Boaz, Ala. Steam generating attachment for electric irons. 2,445,506, July 20.
- Baker, William B., Council Bluffs, Iowa, and H. Rees, Omaha, Nebr. Grapple. 2,435,265, Feb. 3.
- Baker, William F., and I. J. Pickering, Birmingham, assignors to The General Electric Company, Limited, London, England. Electrode holder. 2,447,307, Aug. 17.
- Bakewell, Harding F., San Marino, Calif. Grinding fixture. 2,448,245, Aug. 31.
- Bakke, Robert, Minneapolis, Minn. Welding glove. 2,448,697, Sept. 7.
- Bakken, Hans H., Pueblo, Colo. Bait fishhook. 2,441,232, May 11.
- Bakker, Jan: *See*—
Gisolf, Jacob H., Kröger, and Bakker.
- Bakker, Jan, Brooklyn, assignor to Anton Smit & Co. Inc., New York, N. Y. Wheel-dressing tool. 2,443,370, June 15.
- Bakonyi, Stefan, Tovaros, Hungary, vested in the Attorney General of the United States. Refining keratin-containing material. 2,454,730, Nov. 23.
- Bakst, Myron: *See*—
Warner, Arthur J., and Bakst.
- Balassa, Ladislaus, Flint, Mich. Method and apparatus for pulverizing and processing materials. 2,441,613, May 18.
- Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Concentration of chlorine. 2,447,834, Aug. 24.
- Balch, Ralph H., and I. G. McCormick, Cumberland, Md., assignors to Celanese Corporation of America. Sized organic derivative of cellulose yarn. 2,448,571, Sept. 7.
- Balch, Royal T.: *See*—
Broeg, Charles B., and Balch.
Capuzzi, Edmund C.
Decker, Gerard Q., 3rd, and Capuzzi.
De Forest, Alfred V.
Fullerton, Herbert S.
MacGeorge, William D.
Sonntag, Alfred.
Staples, Dana R., and Stamm.
- Balch, Royal T., Houma, La., assignor to the United States of America as represented by the Secretary of Agriculture. Purification of hard waxes by removal of soft fatty components. 2,452,093, Oct. 26.
- Baldock, Harold: *See*—
Smith, Arthur E. W., Scaife, and Baldock.
- Baldrige, Ernest B.: *See*—
Donicht, Harry L., Fischer, and Baldrige.
- Baldwin, Alan W., New York, N. Y., assignor to William D. Horn, Iowa City, Iowa. Preference recorder for programs. 2,444,327, June 29.
- Baldwin Company, The, assignee: *See*—
Jones, Edward M.
- Baldwin, Frederick G., Woodbridge, N. J. Plant pot cover. 2,440,569, Apr. 27.
- Baldwin, Joseph P., assignor to King Ranch, Inc., Kingsville, Tex. Saddle horn. 2,451,651, Oct. 19.
- Baldwin Locomotive Works, The, assignee: *See*—
Hofmann, Richard U.
Jones, Edgar J.
Link, Harry W.
MacGeorge, William D.
Ruge, Arthur C.
Tate, Malcolm C.
- Baldwin, Philip S., Florence, Italy. Master cylinder. 2,444,181, June 29.
- Baldwin, Stanley W., Cranston, R. I., assignor to Hackett Automotive Accessories Corporation. Windshield cleaner. 2,443,976, June 22.
- Baley, Joseph J., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wiper for use in metal plating apparatus. 2,435,766, Feb. 10.
- Baliff, Doyle D., Gary, Ind. Flashlight attachment for firearms. 2,447,892, Aug. 24.
- Balke, Harry A., Valencia, Pa., assignor to American Bridge Company. Center bearing. 2,455,970, Dec. 14.
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Spraying apparatus. 2,438,471, Mar. 23.
- Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Drainboard and tub construction. 2,447,788, Aug. 24.
- Ball Brothers Company, assignee: *See*—
Shaffer, Stewart.
- Ball, Charles J. P., London, A. C. Jessup, and E. F. Emley, Clifton Junction Works, near Manchester, and J. B. Wilson, Swinton, Manchester, assignors to Magnesium Elektron Limited, London, England. Producing magnesium-zirconium alloys. 2,452,894, Nov. 2.
- Ball, Charles M.: *See*—
Simpson, John D., and Ball.
- Ball, Charles O., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Receptacle. 2,439,768, Apr. 13.
- Ball, Charles O., G. L. Swope, and F. D. Scott, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Container. 2,437,926, Mar. 16.
- Ball, David L., San Luis Obispo, Calif. Rotary axial vane compressor. 2,457,298, Dec. 28.
- Ball, Jack, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Electronic timer. 2,453,486, Nov. 9.
- Ball, Richard N.: *See*—
Van Dellen, Edward, and Ball.
- Ball, Thomas M., Detroit, assignor to Chrysler Corporation Highland Park, Mich. Valve catcher. 2,452,283, Oct. 26.
- Ballantyne, William G., and J. A. Thompson, Portland, Oreg. Rigid lightweight metal tray. 2,456,481, Dec. 14.
- Ballard, Dana R., Madera, Calif. Spare tire carrier attachment for trucks. 2,449,544, Sept. 21.
- Ballard, Dana R., Madera, Calif. Poultry feeder. 2,457,432, Dec. 28.
- Ballard, Hyde W., Merion, Pa., assignor to All American Aviation, Inc., Wilmington, Del. Pickup and delivery container. 2,437,372, Mar. 9.
- Ballard, Randall C., Trenton, N. J., assignor to Radio Corporation of America. Synchro unit drive system. 2,442,069, May 25.
- Ballard, Robert J.: *See*—
Boyer, John L., and Ballard.
- Ballard, Seaver A.: *See*—
Finch, Harry D., Ballard, and Evans.
Williams, Paul H., and Ballard.
Winkler, De Loss E., and Ballard.
Winkler, De Loss E., Raab and Ballard.
- Ballard, Seaver A., Oakland, and D. E. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of thiophenols. 2,438,838, Mar. 30.
- Ballard, Virgil, Caldwell, Idaho. Decoy. 2,450,572, Oct. 5.
- Balleisen, Charles E., Philadelphia, Pa. Breech block return means for the Browning machine gun. 2,449,545, Sept. 21.
- Ballenger, Clarence E., Spartanburg, S. C. Sandal with adjustable front and rear straps. 2,451,372, Oct. 12.
- Ballentine, Earle W., Wilmette, assignor to Russell Electric Company, Chicago, Ill. Shaded pole motor and the like. 2,454,589, Nov. 23.
- Baller, Melvin D., Little Silver, N. J. Vacuum tube. 2,445,754, July 27.
- Ballerino, Richard E., Los Angeles, and R. F. Ashdown, Montebello, assignors to Farmer Bros. Coffee Co., Los Angeles, Calif. Coffee brewing apparatus. 2,436,784, Mar. 2.
- Balley, Eric J. G., Welwyn Garden City, F. M. Page, Newcastle under Lyme, and J. C. McGowan, Muswell Hill, London, England, assignors to Imperial Chemical Industries Limited. Adhesives. 2,455,392, Dec. 7.
- Balliet, Margaret, administratrix: *See*—
Riordan, Patrick F.
- Balls, Arnold K.: *See*—
Tucker, Irwin W., and Balls.
- Balsam, Henry M.: *See*—
Balsam, Maurice M., and H. M.
Balsam, M. M., Inc., assignee: *See*—
Balsam, Maurice M. and H. M.

- Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Machine for making belts and straps. 2,439,280, Apr. 6.
- Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Machine for bending flexible sheet material. 2,441,180, May 11.
- Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Machines for forming rings from a flexible strip. 2,443,715, June 22.
- Balsam, Maurice M. and H. M., assignors to M. M. Balsam, Inc., New York, N. Y. Machine for folding sheets of thermoplastic and like material. 2,451,794, Oct. 19.
- Balsbaugh, Jayson C.: *See—*
Barnard, Kenneth H., Balsbaugh, and Blackwood.
- Balster, George L., Seward, Nebr. V-type internal-combustion engine. 2,451,271, Oct. 12.
- Baltach, Abraham, Brooklyn, and B. Baltuch, New York, N. Y.; said A. Baltach now by judicial change of name Abe Baltic. Photographic monogram mask. 2,441,527, May 11.
- Baltic, Abe, change of name: *See—*
Baltach, Abraham and Baltuch.
- Baltimore Paper Box Co., The, assignee: *See—*
Bentham, Albert E.
- Balton, Charles A., Buffalo, N. Y. Engine starter clutch. 2,448,291, Aug. 31.
- Baltuch, Ben: *See—*
Baltach, Abraham, and Baltuch.
- Baltz, William, Pocahontas, Ark. Suspended horse. 2,437,015, Mar. 2.
- Baltzly, Richard, New York, and E. Lorz, Yonkers, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Substituted piperazines. 2,436,685, Feb. 24.
- Balzi, Clemente, P. Juravcoff, and C. H. Ristenpart, San Francisco, Calif., said Balzi and said Juravcoff assignors to said Ristenpart. Desk drawer for typewriters, including elevating typewriter supports. 2,455,156, Nov. 30.
- Bambas, Louis L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Process for obtaining thiosemicarbazide. 2,450,406, Oct. 5.
- Bamberger, Curt, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of aminoanthraquinones. 2,443,885, June 22.
- Bamford, William P.: *See—*
Pearse, John P., and Bamford.
- Bamford, William P., Maumee, and J. D. Hemley, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for tempering glass sheets or plates. 2,444,972, July 13.
- Bancroft, Howard S., Sharon, Pa. Gearless oscillating drive. 2,442,482, June 1.
- Bancroft, Howard S., Sharon, Pa. Pump. 2,449,832, Sept. 21.
- Bancroft, Joseph C., New York, N. Y. Scooter. 2,439,556, Apr. 13.
- Bandy, Roy W., Aspen, Colo. Filler cap support. 2,452,713, Nov. 2.
- Baner, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Gear-cutting machine. 2,444,551, July 6.
- Bangert, Charles, Jr.: *See—*
Bazley, Carl E., and Bangert.
- Bangser, William, New York, N. Y., assignor to Maiman Company, Incorporated. Cloth-cutting machine. 2,444,909, July 13.
- Banham, William F., London, England. Lock bolt operated door fastener. 2,446,735, Aug. 10.
- Banigan, William A., Redding, Calif. Collapsible wild fowl decoy. 2,439,710, Apr. 13.
- Banister, Roland S., Kokomo, Ind. Wrench kit. 2,448,168, Aug. 31.
- Bank, Albert M., Jersey City, N. J. Upholstery spring edge construction. 2,439,789, Apr. 20.
- Bankauf, William F., East Patterson, and H. B. Fisher, Belleville, N. J., assignors to Hewitt-Robins Incorporated. Dewatering apparatus. 2,453,961, Nov. 16.
- Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Automatic change-speed transmission. 2,449,964, Sept. 21.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Lockup one-way torsional force exerting device. 2,438,381, Mar. 23.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Axially engaged speed responsive clutch. 2,441,928, May 18.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Transmission. 2,447,552, Aug. 24.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Marine reversing gear. 2,456,614, Dec. 21.
- Bank of America National Trust and Savings Association, assignee: *See—*
McKenzie, Wendell R.
- Bank of the Manhattan Company: *See—*
Brogden, Ernest M. and R. E.
- Banks, Clarence K.: *See—*
Hamilton, Cliff S., and Banks.
- Banks, Ephraim, Brooklyn, and J. Bland, Long Island City, N. Y. Radium holder. 2,443,591, June 22.
- Banning, Lloyd H., Trojan, S. Dak., assignor to the United States of America as represented by the Secretary of Interior. V-opening screen. 2,443,176, June 15.
- Bannister, Walter L., Fort William, Ontario, assignor to L. W. Bennett, Port Arthur, Ontario, Canada. Stocking stretcher. 2,453,059, Nov. 2.
- Bannon, Joseph J., Jr., North Arlington, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of miniature thermionic devices. 2,445,755, July 27.
- Banschbach, Edward A., Madison, Wis. Vehicle arrestor. 2,435,919, Feb. 10.
- Banta, Henry M., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Manufacture of strain-insensitive steel. 2,438,798, Mar. 30.
- Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Power and reactive volt-ampere regulating arrangements for parallel-connected alternating current sources. 2,435,419, Feb. 3.
- Banyai, M., Limited, assignee: *See—*
Banyai, Maurus.
- Banyai, Maurus, assignor to M. Banyai Limited, Glasgow, Scotland. Needle frame for gauze weaving looms. 2,449,100, Sept. 14.
- Barabash, Elizabeth: *See—*
Seymour, White, and Barabash.
- Baranowski, Frank, Jr., Boston, Mass., assignor to General Electric Company. Double concentric air gap permanent magnet instrument. 2,440,535, Apr. 27.
- Barasch, Altina: *See—*
Barasch, Erich and A.
- Barasch, Erich and A., New York, N. Y., now by change of name, E. and A. Barrett. Adjustable picture frame. 2,442,967, June 8.
- Barbati, Guido J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lockstitch sewing machine. 2,436,782, Mar. 2.
- Barber-Colman Company, assignee: *See—*
Bullen, Clark V., and Anderson.
Drake, Russell P.
Kennedy, Walter W.
Marcellus, Brooks.
Marcellus, Brooks, and Peterson.
Peterson, Burt A.
Ransome, Stafford M.
Stewart, Duncan J.
- Barber, Earl, assignor to Angelus Paper Box Company, Los Angeles, Calif. Folding box. 2,450,573, Oct. 5.
- Barber, Ethel P., Phoenix, Ariz. Machine for manufacturing cement tile. 2,447,153, Aug. 17.
- Barber, Eugene F., Minneapolis, Minn. Sash hanger. 2,455,546, Dec. 7.
- Barber, Everett M., Wappingers Falls, and J. B. Malin, Fishkill, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine and operating. 2,448,950, Sept. 7.
- Barber, Harry J., Gidea Park, assignor to May & Baker Limited, Dagenham, England. Method of making amino-substituted acridines. 2,450,367, Sept. 28.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Geared adjustment means. 2,448,292, Aug. 31.
- Barber, Lonnie, assignor of one-half to (Mrs.) Irene Pritchett, Danville, Va. Aerial bomb. 2,434,452, Jan. 13.
- Barbour, Fenner S.: *See—*
Worthen, Eugene P., Barbour, and Putnam.
- Barbour Stockwell Company, assignee: *See—*
Coffey, Roger T.
- Barbour, William R., Atlanta, Ga. Well reaming apparatus. 2,450,223, Sept. 28.
- Barcroft, William G., and M. L. Maas, Boulder, Colo. Hand motor with manually operated brake. 2,440,322, Apr. 27.
- Bard, Francis N., assignee: *See—*
Breitenstein, Victor W., and Ingebresten.
- Bard-Parker Company, Inc., assignee: *See—*
Arden, Thomas R.
- Barden, William A., Waynesville, N. C. Support for golf bags. 2,453,565, Nov. 9.
- Bardin, Georges, Tournus, France; vested in the Attorney General of the United States. Current-generating gear for pocket electric lamps. 2,437,675, Mar. 16.
- Bardin, Jesse H., Jackson, Miss. Outboard motor pan and cover. 2,434,784, Jan. 20.
- Bardou, Jacques: *See—*
Bourret, René, and Bardou.
- Bardwell, Carlos, Tooele, Utah, assignor to International Smelting & Refining Company, New York, N. Y. Deleadding zinc-lead fume. 2,442,674, June 1.
- Bare, Martin K., and W. Stubblebine, Mannheim Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Utilization of tall oil. 2,439,377, Apr. 13.
- Barfod, Frederik: *See—*
Wirth, Emil O., and Barfod.
- Barfod, Frederik, assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,447,791, Aug. 24.
- Barfod, Frederik, assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,603, Dec. 14.

- Barfod, Frederik, and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,445,846, July 27.
- Barfod, Frederik, and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,452,627, Nov. 2.
- Barfod, Frederik, and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,604, Dec. 14.
- Barford, Norman C.: *See*—
Pearce, Albert F., and Barford.
- Barganz, Walter A., and E. W. Quirk, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Coin counting machine. 2,437,721, Mar. 16.
- Barger, Fred H., Dayton, Ohio. Selective single control mechanism. 2,454,122, Nov. 16.
- Barham, Harold N., Manhattan, Kans., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Chlorination of starch and products thereof. 2,448,510, Sept. 7.
- Barkelew, Richard C., Los Angeles, Calif. Resistance welding electrode and holder. 2,434,343, Jan. 13.
- Barker, Edgar, Toronto, Ontario, Canada. Machine for machining arcuate surfaces. 2,456,041, Dec. 14.
- Barker, George A., Rochester, N. Y. Muzzle brake for guns. 2,444,910, July 13.
- Barker, George A., Rochester, N. Y. Explosive-operated shears. 2,446,994, Aug. 17.
- Barker, John L., Norwalk, Conn., assignor to Eastern Industries, Incorporated. Traffic detector. 2,441,554, May 18.
- Barker, Kenneth, Boise, Idaho. Combined scraper, grader, leveller, etc. 2,441,744, May 18.
- Barker, Martin J., San Francisco, Calif. Electrolytic amalgamator with adjustable electrodes. 2,442,753, June 8.
- Barker, Norris, Johannesburg, Transvaal, Union of South Africa. Stretching or shaping socks and similar foot coverings. 2,438,531, Mar. 30.
- Barker, Orrin: *See*—
Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
- Barker, Robert S., Oakland, and L. N. Whitehill, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkenyl esters of alkenoxy-substituted carboxylic acids and polymers thereof. 2,448,246, Aug. 31.
- Barker, Seth S., Ottumwa, Iowa. Apparatus for conveying and assorting poultry according to weight. 2,435,706, Feb. 10.
- Barker, Seth S., Ottumwa, Iowa. Conveyor chain structure. 2,446,685, Aug. 10.
- Barker, Virgil D., Westfield, N. J. Rotary pump. 2,451,603, Oct. 19.
- Barker, W. Ira, assignee: *See*—
Smith, Harvey J.
- Barker, William A., and T. B. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Work shifting mechanism for heel-attaching machines. 2,451,529, Oct. 19.
- Barker, William M., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,434,240, Jan. 13.
- Barkley & Dexter, assignee: *See*—
Dexter, Robert G.
- Barkley, Robert Y., Weems, Va. Sheave block with self-locking track slide. 2,453,357, Nov. 9.
- Barks, William, assignor to Clifford C. Stone, Detroit, Mich. Toolholder. 2,438,630, Mar. 30.
- Barler, Richard C., Goshen, and J. H. Yoder, Waterford, Ind.; said Yoder assignor to said Barler. Sheet metal cabinet and making the same. 2,438,108, Mar. 23.
- Barley, Lyndle W., Colorado Springs, Colo. Multiple unit freezer cabinet. 2,449,101, Sept. 14.
- Barlow, Benjamin W., assignor to D. Napier & Son Limited, London, England. Compressor. 2,435,528, Feb. 3.
- Barlow, Elliott F., assignee: *See*—
Paul, Nathan.
- Barlow, Everett W.: *See*—
Barlow, Miriam C. and E. W.
- Barlow, George W., Salt Lake City, Utah. Screw driver having two-part expanding bit. 2,445,383, July 20.
- Barlow, Lillian E. R., New York, N. Y. Vehicle illuminator. 2,442,580, June 1.
- Barlow, Miriam C., Columbus, Ga., and E. W. Barlow, Sarasota, Fla. Brassiere. 2,440,426, Apr. 27.
- Barlow & Seeling Manufacturing Company, assignee: *See*—
Schroeder, Simon E.
- Barnard, Harlin W., Olean, N. Y., C. O. Johnson, and F. P. Carey, assignors to W. R. Case & Sons Cutlery Co., Bradford, Pa. Knife blade grinding machine. 2,456,482, Dec. 14.
- Barnard, Harold, Houston, Tex., assignor to The Whitehead Bros. Rubber Company. Piston. 2,452,714, Nov. 2.
- Barnard, Kenneth H., Short Hills, N. J., J. C. Balsbaugh, Newton, Mass., and M. J. Blackwood, Maplewood, N. J., assignors to Pacific Mills, Boston, Mass. Textile material of comparatively low electric resistance and producing the same. 2,443,782, June 22.
- Barnard, Leon J.: *See*—
Arms, Merton H., and Barnard.
- Barnard, Roy M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical condenser. 2,452,540, Nov. 2.
- Barner, Clarence E., Lakewood, assignor to The American Monorail Company, Cleveland, Ohio. Shielded electrified conveyor. 2,443,371, June 15.
- Barnes, Charles H., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm receiver. 2,455,644, Dec. 7.
- Barnes, Clarence E.: *See*—
Barnes, Everett M. and C. E.
- Barnes, Elza C., Attica, Ind. Crosstie and rail fastening means. 2,446,899, Aug. 10.
- Barnes, Everett M. and C. E., New Paris, Ohio. Spindling device. 2,441,384, May 11.
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Welding control system. 2,435,026, Jan. 27.
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,436,373, Feb. 24.
- Barnes, Harry M., Summit, assignor to General Foods Corporation, Hoboken, N. J. Glyceride oxidation inhibited by 5-pentadecyl resorcinol. 2,448,207, Aug. 31.
- Barnes, Harry M., Florham Park, assignor to General Foods Corporation, Hoboken, N. J. Stabilizing organic materials and product of said process. 2,448,208, Aug. 31.
- Barnes, James A., Keokuk, Iowa. Sleeve cuff holding device. 2,449,579, Sept. 21.
- Barnes, James F., trustee, assignee: *See*—
Nyberg, Curt E.
- Barnes, James H., Glendale, Calif. Indexing mechanism. 2,446,865, Aug. 10.
- Barnes, Joseph H., assignor to Delaware Rayon Company, New Castle, Del. Thread guide holder. 2,451,795, Oct. 19.
- Barnes, Julius L., Allston, Mass. Valve. 2,449,833, Sept. 21.
- Barnes, Malcolm H., and E. L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company. Glossing corundum and spinel. 2,448,511, Sept. 7.
- Barnes Motor Developments Company, assignee: *See*—
Barnes, William B.
- Barnes, Norman F., Schenectady, N. Y., assignor to General Electric Company. Optical apparatus for showing rotating parts at rest. 2,454,959, Nov. 30.
- Barnes, Robert B.: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.
- Barnes, Robert B., Stamford, and G. P. Ham, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Purification of fluids with silvered resins. 2,434,190, Jan. 6.
- Barnes, Robert R., and W. G. McCulloch, Candler, assignors to American Enka Corporation, Enka, N. C. Stop motion mechanism. 2,447,553, Aug. 24.
- Barnes, Sydney H., Sydney, New South Wales, Australia. Table cutlery handle. 2,440,136, Apr. 20.
- Barnes, Wallace A., Cleveland, Ohio, assignor to The Langenau Manufacturing Company. Spring latch mechanism. 2,448,409, Aug. 31.
- Barnes, Wilbur L., and J. J. Harrison, assignors to Michigan Carton Company, Battle Creek, Mich. Dispensing container. 2,449,046, Sept. 14.
- Barnes, William A., Utica, N. Y., assignor to Utica Drop Forge & Tool Corporation. Oil reservoir. 2,441,552, May 18.
- Barnes, William B., assignor to Barnes Motor Developments Company, Muncie, Ind., a partnership consisting of W. B. and F. A. Barnes. Change-speed mechanism. 2,444,691, July 6.
- Barnes, William B., assignor to Barnes Motor Developments Company, Muncie, Ind. Clutch operating mechanism. 2,450,391, Sept. 28.
- Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for measuring density of a thixotropic fluid. 2,451,604, Oct. 19.
- Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for measuring density of a thixotropic fluid. 2,451,605, Oct. 19.
- Barnett, Allan E.: *See*—
Robey, Richard F., Fedirko, and Barnett.
- Barnett, Ben G., assignee: *See*—
Westmoreland, Bastom B.
- Barnett, Benjamin: *See*—
Vaughan, William E., and Barnett.
- Barnett, Charles A., and J. M. Beyl, assignors to The Foundry Equipment Company, Cleveland, Ohio. Apparatus for drying foundry molds. 2,453,400, Nov. 9.
- Barnett, Joseph J., assignor to Chase Candy Company, Chicago, Ill. Tubular package forming and filling method and apparatus. 2,438,198, Mar. 23.
- Barnett, Louis, Brooklyn, assignor to Raylite Electric Corp., Long Island City, N. Y. Heat and light concentrating holder for illuminated decorative lighting devices. 2,453,962, Nov. 16.
- Barnett, Robert S.: *See*—
Ashburn, Harry V., Barnett, and Puryear.
- Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of fluorine hydrocarbon compounds. 2,437,148, Mar. 2.
- Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transversal filter. 2,451,465, Oct. 19.
- Barneycastle, Alexander E.: *See*—
Fonville, John L., and Barneycastle.

- Barnitz, Edward S., assignor to Distillation Products, Inc., Rochester, N. Y. Preparation of improved drying oils. 2,437,343, Mar. 9.
- Barold, George, Belt & Associates : *See*—Vars, Ethan W.
- Baron, Stanley A., assignee : *See*—Ushakov, Alexis E.
- Barone, Salvatore A., Freeport, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. Carrier frequency shift signaling. 2,451,430, Oct. 12.
- Barr, Edgar E., North Woburn, assignor to Polaroid Corporation, Cambridge, Mass. Evaporating crucible for coating apparatus. 2,447,789, Aug. 24.
- Barr, Edgar E., North Woburn, and C. D. West, assignors to Polaroid Corporation, Cambridge, Mass. Birefringent solid film comprising intimate mixture of minute particles of isophthalic acid and terephthalic acid and manufacture. 2,447,790, Aug. 24.
- Barr, Francis A., assignee : *See*—Barsh, Walter V.
- Barr, Frank T. : *See*—Scharmann, Walter G., and Barr.
- Barr, Frank T., Summit, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Production of hydrogen. 2,449,635, Sept. 21.
- Barr, Frank T., Summit, and Walter G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Two-stage synthesis of hydrocarbons. 2,434,537, Jan. 13.
- Barr, James A., Evanston, Ill., and W. A. Smith, Carlsbad, N. Mex., assignors to International Minerals & Chemical Corporation. Potassium sulphate manufacture. 2,437,182, Mar. 2.
- Barr, Louis L., Pittsburgh, Pa. Stirrer for cooking vessels. 2,449,578, Sept. 21.
- Barr & Stroud, assignee : *See*—Strang, John M., and Bull.
- Barrett, Altina, by change of name : *See*—Barasch, Erich and A.
- Barrett, Charles D., and C. R. Whitehead, Altoona, Pa. Snubbed bolster car truck. 2,446,506, Aug. 3.
- Barrett, Dora E., El Centro, Calif. Poultry feeder. 2,440,243, Apr. 27.
- Barrett, Eric, by change of name : *See*—Barasch, Erich and A.
- Barrett, Guy, Bosham, near Chichester, assignor to Wycliffe Foundry & Engineering Company Limited, Lutterworth, Leicestershire, England. Reversing gear. 2,455,547, Dec. 7.
- Barrett, William, International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Apparatus for coating paper. 2,457,433, Dec. 28.
- Barrick, James G., Ossian, Ind. Punch. 2,446,801, Aug. 10.
- Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanocyclobutane derivatives. 2,437,289, Mar. 9.
- Barrick, Paul L., Wilmington, Del., and R. E. Christ, Elizabeth, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenation of fluorinated compounds. 2,436,135, Feb. 17.
- Barrick, Paul L., and R. D. Cramer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluoro four-carbon atom ring carboxylic acids and derivatives. 2,441,128, May 11.
- Barridon Oil Burner Corporation, assignee : *See*—Levine, Gabriel Z.
- Barron, Leon, assignee : *See*—Dowell, Henry L.
- Barron, Milford : *See*—Brown, Harry M., and Barron.
- Barrow, Llewellyn L., U. S. Army, Camp Edwards, Mass. Pharmaceutical preventive and remedy for motion sickness. 2,434,635, Jan. 20.
- Barrow, Wilmer L., Concord, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. Re. 23,003, May 25.
- Barrow, Wilmer L., Newton, Mass., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Synchronized radio transmission. 2,435,569, Feb. 10.
- Barrow, Wilmer L., Concord, Mass., and W. W. Mieher, Mineola, N. Y., assignors to The Sperry Corporation. Ultra high frequency device. 2,454,761, Nov. 30.
- Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Brake beam support. 2,436,738, Feb. 24.
- Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Brake beam support. 2,447,458, Aug. 17.
- Barrows, Robert S., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of 2-chloro-1,3-butadiene in the presence of tetraalkyl-diamino-diphenyl-methanes. 2,456,243, Dec. 14.
- Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Higher alkoxy-silicon halides. 2,438,736, Mar. 30.
- Barry, Arthur W., Los Angeles, Calif. Rivet set retainer spring. 2,445,551, July 20.
- Barry, Louis J., and W. S. Hegamyer, Middletown, R. I. Torpedo. 2,453,828, Nov. 16.
- Barry, William C. : *See*—Dunsheath, Percy, and Barry.
- Barsh, Walter V., Indiantown Gap, Pa., assignor to F. A. Barr, Laurelton, Long Island, N. Y. Meter reading annunciator. 2,435,066, Jan. 27.
- Barshdorf, Harry O., Adams, assignor to Sprague Electric Company, North Adams, Mass. Electrical seal. 2,449,759, Sept. 21.
- Barsky, George, assignor to E. F. Drew & Co., Inc., New York, N. Y. Flashless propellant powder composition. 2,439,281, Apr. 6.
- Barstow, Carl A., Anoka, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Making sparking wheels. 2,455,348, Dec. 7.
- Bartelheim, Leland A., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Attaching electrical terminals to insulator cards. 2,441,181, May 11.
- Bartelheim, Leland A., Berwyn, and M. W. Lane, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling arcuate terminal banks. 2,438,959, Apr. 6.
- Bartelheim, Leland A., Berwyn, M. W. Lane, Chicago, Ill., and R. F. Mallina, Hastings-on-Hudson, N. Y., said Bartelheim and said Lane assignors to Western Electric Company, Incorporated, said Mallina assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making selective switch banks. 2,444,026, June 29.
- Bartelink, Everhard H. B., Bronxville, assignor to General Telephone Corporation, New York, N. Y. Signaling and control system for carrier telephone trunk circuits. 2,454,498, Nov. 23.
- Bartelink, Everhard H. B., Bronxville, assignor to General Telephone Corporation, New York, N. Y. Signaling system for two-way dialing over radio and carrier telephone circuits. 2,457,434, Dec. 28.
- Bartell, Ernest J., Rome, N. Y. Saw gauge. 2,455,464, Dec. 7.
- Bartgis, James E., Jr., Frederick, Md. Mine. 2,450,407, Oct. 5.
- Barth, Elmer J. : *See*—Peterson, Carl D., and Barth.
- Barth, Robert H. : *See*—Remsensnyder, John P., Bowman, and Barth.
- Snow, John E., Barth, and Boesel.
- Barth, Robert H., Ridgewood, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Ester-acetals of polyentaerythritols. 2,446,257, Aug. 3.
- Barth, Robert H., Ridgewood, and H. Burrell, Paramus, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Mixed esters of polyhydric alcohols. 2,441,555, May 18.
- Barth, Theodore H., New York, N. Y., assignor to United States of America, as represented by the Secretary of the Navy. Synchronizing bomb sight. 2,438,532, Mar. 30.
- Barthel, William F., College Park, Md., assignor to the United States of America, as represented by the Secretary of Agriculture. Plural section distillation column with top feed. 2,438,988, Apr. 6.
- Bartholomew, Charles J., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Enamel composition. 2,454,123, Nov. 16.
- Bartholomew, Robert J., assignor to Fletcher Works Incorporated, Philadelphia, Pa. Twisting machine. 2,445,721, July 20.
- Bartholomew, Robert J., assignor to Fletcher Works Incorporated, Philadelphia, Pa. Bobbin lifter. 2,450,074, Sept. 28.
- Bartholomew, Robert J., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Tape loom. 2,453,181, Nov. 9.
- Bartholomew, Warren F., Michigan City, Ind., assignor to Joy Manufacturing Company. Vehicle support. 2,446,321, Aug. 3.
- Bartholy, Frederick E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio direction and range indicator. 2,447,728, Aug. 24.
- Bartle, George R. : *See*—Schoot, Donald E., and Bartle.
- Bartlett, C. O., and Snow Company, The, assignee : *See*—Hofmann, Maximilian P.
- Bartlett, C. O., and Snow Company, The, assignee : *See*—Hofmann, Maximilian P.
- Bartlett, David, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronized timer. 2,442,256, May 25.
- Bartlett, Edward P., and H. C. Duus, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cooling internal-combustion engines. 2,436,281, Feb. 17.
- Bartlett, Forrest A., Gardena, Calif. Automatic telegraph key. 2,437,497, Mar. 9.
- Bartlett, Kenneth M., and E. G. Pekarek, assignors to Thompson Products, Inc., Cleveland, Ohio. Making hollow poppet valves. 2,452,628, Nov. 2.
- Barton, George, Racine, Wis., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,437,587, Mar. 9.
- Barton, George A. : *See*—Clammer, Edward S., Ackerman, and Barton.

- Barton, George G., assignor to Hartmann Company, Racine, Wis. Frame construction for soft-sided luggage. 2,454,985, Nov. 30.
- Barton, Hugh M., Jr.: *See*—
De Boisblanc, Deslonde R., and Barton.
- Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Electroacoustical transducer. 2,450,104, Sept. 28.
- Barton, Raymond W., assignor to Mead Johnson and Company, Evansville, Ind. Closure. 2,455,645, Dec. 7.
- Barton, Richard E., Maplewood, N. J., assignor to Rope-Soles, Inc., New York, N. Y. Apparatus for producing sheet material. 2,442,946, June 8.
- Barton, William N.: *See*—
Eslinger, Wallace V., and Barton.
- Bartson, Alfred J.: *See*—
Stegall, Wilbur D., Bruton, and Bartson.
- Bascom, Henry M., and F. A. Hubbard, deceased, Maplewood, N. J., by G. M. Hubbard, executrix, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Digit registering means responsive to selective frequencies. 2,434,898, Jan. 27.
- Bascom, Henry M., New York, R. F. Massonneau, Scarsdale, B. Ostendorf, Jr., Jamaica, and W. T. Rea, Manhasset, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,438,492, Mar. 30.
- Bascom, Roger C., Port Clinton, Ohio, assignor to Rubatex Products, Inc., New York, N. Y. Vulcanization. 2,452,347, Oct. 26.
- Basdekis, Costas H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halostyrene polymers. 2,435,767, Feb. 10.
- Baseler, Emery E., Hollywood, Calif. Mechanical chipping tool. 2,436,541, Feb. 24.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Disc brake for railway vehicles. 2,436,136, Feb. 17.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake cylinder mounting. 2,449,636, Sept. 21.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Cooled brake rotor. 2,451,709, Oct. 19.
- Basescu, Arthur, Brooklyn, N. Y. Mold form. 2,446,404, Aug. 3.
- Bash, John M., Chicago, Ill. Censer. 2,456,244, Dec. 14.
- Basham, Cecil L., Athens, Ga. Electrical connector. 2,452,422, Oct. 26.
- Basham, Lawrence H., Alderson, W. Va. Detachable handle for knives, hatchets, etc. 2,439,071, Apr. 6.
- Bashara, Laurence A., Portage Township, St. Joseph County, Ind. Burr-cutting tool. 2,450,075, Sept. 28.
- Basic Refractories, Inc., assignee: *See*—
Schoenlaub, Robert A.
- Basista, Theodore J., Westfield, Mass. Device for adjusting breaker units. 2,453,774, Nov. 16.
- Baskerville, Ralph J.: *See*—
Spiro, Benjamin E., and Baskerville.
- Baskin, Charles M., Toronto, Ontario, Canada, assignor to Standard Oil Development Company. Making bitumen coated fibrous material. 2,438,890, Apr. 6.
- Bass, Arthur P., Newark, N. J. Tool for removing wire insulation. 2,452,423, Oct. 26.
- Bass, Milton: *See*—
Mann, Alex., and Bass.
- Bassani, Laurent and Gaston Gagnepain, Paris, France. Color cinematography on lenticular films. 2,451,902, Oct. 19.
- Bassereau, Georges, assignor to Societe D'Etude Pour L'Industrie Du Magnesium, Paris, France. Process and apparatus for the vacuum production of magnesium. 2,446,403, Aug. 3.
- Bassett, Charles H., assignor to Crane Co., Chicago, Ill. Manufacturing valves. 2,443,483, Aug. 31.
- Bassett, Edward H., West Hartford, assignor to The Silux Company, Hartford, Conn. Combination steaming and pressing iron. 2,434,097, Jan. 6.
- Bassett, Glenn C., Brighton, N. Y. Eaves trough attaching mechanism. 2,434,754, Jan. 20.
- Bassett Research Corporation, assignee: *See*—
Strandhagen, Harry I.
- Bassford, Henry H., Jr.: *See*—
Mahoney, John F., and Bassford.
- Bassford, Henry H., Jr., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Recovering an ascorbic acid compound. 2,444,087, June 29.
- Bassick Company, The, assignee: *See*—
Evans, Sanford.
- Bassingdale, Isaac B., Grasscroft, England. Shuttle for carpet looms. 2,439,594, Apr. 13.
- Bassinger, Ross, and O. A. Wright, Houston, Tex.; said Bassinger assignor to said Wright. Drying method. 2,444,588, July 6.
- Bastian-Blessing Company, The, assignee: *See*—
Buttner, William C.
Buttner, William C., and Allshouse.
Buttner, William C., and Norway.
Buttner, William C., and Sundstrom.
Connell, William S., Boettcher, and Holman
Fredrick, Raymond R.
Johnson, Herman K.
McMahon, Alexander F.
- Bastien, Paul C.: *See*—
Wharam, John J., and Bastien.
- Bastis, Christ, assignee: *See*—
Sundel, Samuel.
- Baston, Cyril E., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control device. 2,434,538, Jan. 13.
- Baston, Cyril E., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,437,991, Mar. 16.
- Batchelar, Raymond F.: *See*—
Baker, Samuel S., and Batchelar.
- Batchelder, George W., Mantua, and A. W. Hawkins, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for obtaining nitrogen tetroxide. 2,450,105, Sept. 28.
- Bates, Albert H., Rockford, Ill. Piston ring boring machine. 2,437,676, Mar. 16.
- Bates, Beulah H., assignee: *See*—
Bates, Walter A. and W. A., Jr.
- Bates, C. J., & Son, assignee: *See*—
Bates, Wells C.
- Bates, Donald, Baker, Oreg. Heel sander. 2,435,642, Feb. 10.
- Bates, Dorr R., Lansing, Mich. Fishhook extractor. 2,447,554, Aug. 24.
- Bates, Harold S., Philadelphia, and S. A. Robinson, Upper Darby, assignors to Philco Corporation, Philadelphia, Pa. Crystal mounting. 2,457,338, Dec. 28.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Residual hydrocarbon treatment. Re. 22,957, Jan. 6.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treatment of alkali metal salts. Re. 23,017, July 27.
- Bates, John R., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Production of high octane gasolines. 2,434,634, Jan. 20.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis of hydrocarbons. 2,454,369, Nov. 23.
- Bates, Mildred R., Orange, N. J. Brassière. 2,453,296, Nov. 9.
- Bates, Ralph C., Yonkers, N. Y. Swimming device. 2,434,032, Jan. 6.
- Bates, Walter A., Jr.: *See*—
Bates, Walter A. and W. A., Jr.
- Bates, Walter A. and W. A., Jr., assignors to B. H. Bates, Joliet, Ill. Locking means for floor armor. 2,443,589, June 22.
- Bates, Wells C., assignor to C. J. Bates & Son, Chester, Conn. Producing plastic-coated knitting needles. 2,453,739, Nov. 16.
- Batesole, Dwight E., Glenbrook, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Skate wheel structure. 2,440,650, Apr. 27.
- Bath, Cyril J., Chagrin Falls, assignor to The Cyril Bath Company, Cleveland, Ohio. Contour forming machine having a pivoted bender with metal-blank attached. 2,444,718, July 6.
- Bath, Cyril J., Cleveland, Ohio. Method and apparatus for contouring elongated metal stock while under tension. 2,444,719, July 6.
- Bath, Cyril J., Cleveland, Ohio, assignor to The Cyril Bath Company. Bolster block. 2,456,856, Dec. 21.
- Batina, Charles C., Chicago, Ill. Door and latch for tumbler washers. 2,438,597, Mar. 30.
- Batina, Charles C., Chicago, Ill. Tumbling drum for laundry machines. 2,438,737, Mar. 30.
- Batori, Oscar E., New York, N. Y. Slide rule. 2,437,722, Mar. 16.
- Battelle Development Corporation, assignee: *See*—
Faust, Charles L., and Miller.
Pray, Henry A. H., Igelsrud, and Simard.
Sherman, Ralph A.
- Batten, Percy H., assignee, trustee, et al.: *See*—
Lysholm, Alf.
- Battista, Orlando A., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Forming porous artificial masses. 2,439,034, Apr. 6.
- Battista, Orlando A., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Extrusion molding of viscose products. 2,440,323, Apr. 27.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Refrigerant tank for refrigerator cars. 2,434,062, Jan. 6.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Hatch plug for closing openings in ice containers of refrigerator cars. 2,453,294, Nov. 9.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Ice container for refrigerator cars. 2,453,295, Nov. 9.
- Batts, Jerry L., Rahns, Pa. Self-cleaning nonskid cross link. 2,445,507, July 20.
- Baubach, M. B., assignee: *See*—
O'Leary, Jerry.
- Bauders, Ray, Kewanee, Ill. Wagon chute. 2,439,961, Apr. 20.
- Baudry, René A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine. 2,456,612, Dec. 21.
- Bauer, Alexander, assignee: *See*—
Hurst, George L.

- Bauer, Benjamin B., assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill. Magnetic translating device. 2,454,425, Nov. 23.
- Bauer, Benjamin B., Oak Park, assignor, by mesne assignments, to Shure Brothers Incorporated, Chicago, Ill. Stylus construction. 2,455,913, Dec. 14.
- Bauer, Ernest K.: *See—*
Kremer, William H., Klingener, and Bauer.
- Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Coating device. 2,442,335, June 1.
- Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Tension controlled filament feeding means. 2,442,336, June 1.
- Bauer, Harold E.: *See—*
Rodack, James, and Bauer.
- Bauer, Jordan V., Elmwood Park, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc. Flour product and the preparation thereof. 2,443,290, June 15.
- Bauer, La Verne N.: *See—*
Neher, Harry T., and Bauer.
- Bauer, Oliver F.: *See—*
Turner, Lyman H., Bauer, and Michelson.
- Bauer, Oscar W.: *See—*
Teter, John W., and Bauer.
- Bauer, Oscar W., and J. W. Teter, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Production of trichloroacetamide. 2,443,291, June 15.
- Bauer, Oscar W., and J. W. Teter, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Ammonolysis of monochloroalkyl nitriles. 2,443,292, June 15.
- Bauer, Robert F., and H. J. Matthews, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for treating bituminous sands. 2,453,060, Nov. 2.
- Bauer, Russell E., Detroit, assignor to Cadillac Gage Company, Grosse Pointe Woods, Mich. Micrometer height gage fixture. 2,440,710, May 4.
- Bauer, Russell L., Brentwood, Mo. Hair drier. 2,456,669, Dec. 21.
- Bauer, Walter C., Chevy Chase, assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Filtering system. 2,447,680, Aug. 24.
- Bauer, William, assignor to The Tappan Stove Company, Mansfield, Ohio. Concealed venting means for stoves. 2,452,715, Nov. 2.
- Bauer, William G., New York, N. Y. Locking device. 2,441,864, May 18.
- Baugh, Raymond N., Bridgeport, and R. F. Wyciowski, Fairfield, Conn. Tipup for ice fishing. 2,448,346, Aug. 31.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach signal system. 2,454,687, Nov. 23.
- Baughn, Arthur T., Portland, Oreg. Lamp. 2,441,986, May 25.
- Bault, William V., Watseka, Ill. Chuck. 2,450,931, Oct. 12.
- Baum, Charles A., Hamilton, Ohio. Caster. 2,437,588, Mar. 9.
- Baum, Horace L., St. Louis, Mo. Blowtorch with continuously burning vaporizer and igniter. 2,442,394, June 1.
- Baum, Joseph L., Hartford, Conn. Toy bank. 2,448,951, Sept. 7.
- Baum, Nathaniel L., and J. Wynkoop, assignors to Turco Products, Inc., Los Angeles, Calif. Paint remover. 2,443,173, June 15.
- Baum, Robert A.: *See—*
MacRill, John R., and Baum.
- Baum, W. A., Co., Inc., assignee: *See—*
Hanafin, Joseph D.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control. 2,440,628, Apr. 27.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Controlled humidity refrigerator. 2,442,188, May 25.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Alarm system for electric refrigerators. 2,447,893, Aug. 24.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electric refrigerator alarm system. 2,447,894, Aug. 24.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Alarm system for electric refrigerators. 2,447,895, Aug. 24.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control means responsive to movements of a refrigerator door. 2,450,823, Oct. 5.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator having a heat dissipating device for the electric motor thereof. 2,451,903, Oct. 19.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator humidity control. 2,454,855, Nov. 30.
- Bauman, Karl, Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Axial flow compressor. 2,450,745, Oct. 5.
- Bauman, William C.: *See—*
Hornbacher, Herbert G., and Bauman.
- Baumann, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Alternating current commutator machine. 2,457,517, Dec. 28.
- Baumer, Henry A., assignor to Stackpole Carbon Company, St. Marys, Pa. Push button switch. 2,441,614, May 18.
- Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Coupling. 2,444,888, July 6.
- Baumgartner, Andrew B.: *See—*
Eicove, Joseph M., and Baumgartner.
- Baumgartner, Walter, Bellflower, Calif. Calculating device. 2,448,410, Aug. 31.
- Baumner, William L., Jr., Jenkintown, Pa. Dispenser. 2,455,212, Nov. 30.
- Bauroth, Walter J., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Switch and plug box. 2,441,465, May 11.
- Bausch & Lomb Optical Company, assignee: *See—*
Bouchard, Samuel E.
Enter, Harold J.
Flint, Edward F.
Frost, Wright W.
Pestrecov, Konstantin.
Markell, Stanley.
Sharp, John V., and Boughton.
Wittig, Carl H. O.
- Bautz, Frederick, Chicago, Ill., assignor to International Harvester Company. Superfinishing device for curved surfaces. 2,435,565, Feb. 10.
- Bawens, Romain, Burton, Wash. Electric fuse box. 2,447,049, Aug. 17.
- Bavley, Abraham: *See—*
Mueller, Fritz W. H., and Bavley.
- Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Acetyl N-heterocyclic couplers for color photography. 2,435,173, Jan. 27.
- Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 4,4'-bis(pyrazolone-1-carboxamide and thiocarboxamide) couplers for color photography. 2,435,550, Feb. 3.
- Baxter, Benjamin, and S. M. Kandarian, Fowler, Calif. Safety valve. 2,446,626, Aug. 10.
- Baxter, Berry A., Altadena, Calif. Filter and demother. 2,450,368, Sept. 28.
- Baxter, Don, Inc., assignee: *See—*
Evans, Newton.
- Baxter, Howard F., Grand Rapids, Mich. Compartmented laundry bag provided with identifying legends. 2,437,149, Mar. 2.
- Baxter, Jack E., Mariemont, Ohio. Display structure. 2,445,552, July 20.
- Baxter Laboratories, Inc., assignee: *See—*
Brandon, Wayne D.
Nesset, Maurice M.
- Baxter, Roberta J., assignee, et al.: *See—*
Smith, George B.
- Bay Chemical Company, Inc., assignee: *See—*
Lippman, Alfred, Jr., Comstock, and Benjamin.
- Bay, Thomas J., U. S. Navy. Engine cooling system and apparatus. 2,446,995, Aug. 17.
- Bayer, Charles H., Wynnewood, Pa., assignor to General Electric Company. Interlocking mechanism. 2,444,240, June 29.
- Bayler, Howard O.: *See—*
Shoemaker, Robert M., and Bayler.
- Baylin, Samuel, Montreal, Quebec, Canada. Apparatus for polishing knitting needles and the like. 2,435,488, Feb. 3.
- Baylis, Albert H.: *See—*
Lindstrom, Ture and Baylis.
- Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Textile fiber drafting element. 2,450,408, Oct. 5.
- Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Roll cover for textile fiber drafting. 2,450,409, Oct. 5.
- Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Roll cover for textile fiber drafting. 2,450,410, Oct. 5.
- Baymiller, John W., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making textile units for fiber drafting. 2,455,349, Dec. 7.
- Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Density indicating apparatus. 2,434,098, Jan. 6.
- Baysinger, Royal D., Rockford, and L. W. Fulton, South Beloit, assignors to George D. Roper Corporation, Rockford, Ill. Core making machine. 2,457,196, Dec. 28.
- Bazelon, Jacob L., Chicago, Ill. Shampoo board. 2,451,652, Oct. 19.
- Bazelon, Jacob L., Chicago, Ill. Shampoo board. 2,451,653, Oct. 19.
- Bazett, Henry C., Haverford, Pa., and P. A. Siple, U. S. Army, Arlington, Va. Protective clothing. 2,433,834, Jan. 6.
- Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,450,268, Sept. 28.

- Bazley, Carl E., Schenectady, and C. Bangert, Jr., Ballston Spa, N. Y., assignors to General Electric Company. Shockproof support. 2,454,538, Nov. 23.
- Beach, Fred S. and Rose B., Charlotte, Mich. Consumption register for meters. 2,448,411, Aug. 31.
- Beach, Leland K.: *See*—
Morrell, Charles E., and Beach.
- Beach, Leland K., Mountinside, N. J., assignor to Standard Oil Development Company. Production of alkyl cyanides. 2,451,314, Oct. 12.
- Beach, Leland K., Mountinside, N. J., assignor to Standard Oil Development Company. Selective copper solvent for diolefin extraction. 2,456,723, Dec. 21.
- Beach, Lennox F.: *See*—
Braddon, Frederick D., and Lennox.
- Beach, Ralph M.: *See*—
Robinson, Edwin A., and Beach.
- Beach, Robin, Brooklyn, N. Y. Elimination of static electricity. 2,449,972, Sept. 28.
- Beach, Rose B.: *See*—
Beach, Fred S. and R. B.
- Beach, Walter A., assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing method. 2,452,348, Oct. 26.
- Beacham, Edwin B., Easton, Pa. Stocking and production. 2,435,489, Feb. 3.
- Beacham, Thomas E., London, England. Control gear for hydraulic pumps. 2,436,544, Feb. 24.
- Beacham, Thomas E., London, England. Fuel pump. 2,451,055, Oct. 12.
- Beachler, Edward D., assignor to Beloit Iron Works, Beloit, Wis. Rotating tool lathe. 2,451,147, Oct. 12.
- Beadle, Buell W.: *See*—
Kraybill, Henry K., and Beadle.
- Beager, Arthur and E. W., New York, N. Y. Vacuum cleaner bag. 2,435,490, Feb. 3.
- Beager, Arthur and E. W., New York, N. Y. Vacuum cleaner bag. 2,449,102, Sept. 14.
- Beager, Elizabeth W.: *See*—
Beager, Arthur and E. W.
- Beall, Benjamin S.: *See*—
Boisseau, Alexander C., and Beall.
- Beall, Alexander C., Beall, Frank, and Lowery.
- Beall, Charles R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed controlled motor-driven gate. 2,451,373, Oct. 12.
- Beals, Gillson W., assignor to The Miller Company, Meriden, Conn. Lighting fixture cover. 2,455,107, Nov. 30.
- Beam, Chester F., Niagara Falls, Ontario, Canada. Automobile sanding device. 2,449,525, Sept. 14.
- Beam, Donald L., Dayton, Ohio. Combined support, separable fastener, and vibration insulator. 2,442,754, June 8.
- Beam, Ronald J., Detroit, Mich. Tire making and building apparatus. 2,443,551, June 15.
- Beam, Vilynn O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic apparatus. 2,448,504, Aug. 31.
- Beam, Vilynn O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,455,350, Dec. 7.
- Beam, Vilynn O., and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fire detecting apparatus. 2,455,351, Dec. 7.
- Bean, Frank R., assignor to F. A. Smith Manufacturing Company, Rochester, N. Y. Fluid operated switch assembly. 2,445,756, July 27.
- Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer containing disodium salts of monohydric phenol monoacids. 2,444,803, July 6.
- Bean, Frederic R., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing aminophenols. 2,446,519, Aug. 10.
- Bean, Morris, assignor to Antioch College, M. Bean, X. Bean, A. D. Henderson, A. E. Morgan, and W. Beatty, all of Yellow Springs, Ohio. Casting light metals. 2,435,121, Jan. 27.
- Bean, Morris, Yellow Springs, Ohio. Molding flexible patterns. 2,435,643, Feb. 10.
- Beau, Roscoe D., Red Bank, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Warning signal system for refrigerators. 2,439,331, Apr. 6.
- Bean, Ruric N., assignor to Cameron Iron Works, Houston, Tex. Sealing and testing well head connections. 2,443,944, June 22.
- Bean, Xarifa, assignee, et al.: *See*—
Bean, Morris.
- Bear, Fred B., Detroit, Mich. Takedown bow. 2,457,793, Dec. 28.
- Bear Brand Hosiery Co., assignee: *See*—
Shea, Frederick M.
- Bear Manufacturing Company, assignee: *See*—
South, Chester.
- Beard, Charles L., Lancaster, Pa. Motor operated multiple blade shears. 2,434,308, Jan. 13.
- Beard, Edward A., Marseilles, Ill. Animal poke. 2,442,992, June 8.
- Beard, Edward A., Marseilles, Ill. Electric fence insulator. 2,451,530, Oct. 19.
- Beard, Edward S., Spring City, Pa. Textile spreader. 2,450,932, Oct. 12.
- Beard, Jonathan H., Beaumont, Tex. Rocking inner-jaw end wrench. 2,447,835, Aug. 24.
- Beard, Joseph G.: *See*—
Roberts, Wesley M., Beard, and Blancha.
- Beard, Joseph G., Haddonfield, and R. W. Harralson, Masonville, N. J., and A. Kreithen, Philadelphia, Pa., assignors to Radio Corporation of America. Phase responsive control circuit. 2,455,646, Dec. 7.
- Bearden, Fred E., Spartanburg, S. C. Sharpening device for the cutting rollers of pencil sharpeners. 2,452,827, Nov. 2.
- Beardsley, Alling P.: *See*—
Kruppa, William J., Beardsley, and Whiting.
- Beardsley, Alling P., Plainfield, and S. H. Whiting, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of ultramarine. 2,441,950, May 25.
- Beardsley, Alling P., Plainfield, and S. H. Whiting, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of ultramarine. 2,441,951, May 25.
- Beardsley, Alling P., Plainfield, and S. H. Whiting, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of ultramarine. 2,441,952, May 25.
- Beardsley, Charles S., Elkhart, Ind. Bandage. 2,442,111, May 25.
- Beardsley, Guy E., Jr., West Hartford, Conn., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,447,264, Aug. 17.
- Beardsley, Guy E., Jr., West Hartford, Conn., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Fuel control device. 2,447,265, Aug. 17.
- Beardsley, Guy E., Jr., West Hartford, Conn., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Fuel control device. 2,447,266, Aug. 17.
- Beardsley, Guy E., Jr., West Hartford, and C. W. Laubin, Windsor, assignors to United Aircraft Corporation, East Hartford, Conn. Ignition timing. 2,456,042, Dec. 14.
- Beardsley, Harry I., Chatham, N. J., and H. W. Meehan, Scarsdale, said Beardsley assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Meehan assignor to American Telephone and Telegraph Company. Telephone booth. 2,438,891, Apr. 6.
- Beare, Charles H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Injection of brake linings. 2,452,284, Oct. 26.
- Bearse, Arthur E., and J. E. Leonard, Columbus, Ohio, assignors, by mesne assignments, to Standard Oil Company, Chicago, Ill. Preparation of cyclopentyl alcohols. 2,444,129, June 29.
- Beath, Laurence R.: *See*—
Hill, Harold S., and Beath.
- Beath, Laurence R., and H. S. Hill, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Concentrating waste sulfate liquor with recovery of sulfur dioxide. 2,453,775, Nov. 16.
- Beath, Laurence R., and H. S. Hill, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Electrical conductance heater. 2,453,776, Nov. 16.
- Beatrice Creamery Co., assignee: *See*—
North, Gerald C., and Little.
- Beattie, Horace S.: *See*—
Page, Ralph E., and Beattie.
- Watson, Thomas J., Beattie, and Fuller.
- Beattie, Horace S., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Combinational code entry controlling means for accumulators. 2,439,445, Apr. 13.
- Beattie, James S., Los Angeles, Calif. Camera-pod. 2,440,137, Apr. 20.
- Beattie, John O., New York, assignor to Aerial Products, Inc., Merrick, Long Island, N. Y. Rocket device. 2,442,528, June 1.
- Beattie, Robert, Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Container. 2,456,483, Dec. 14.
- Beatty, Elmer W.: *See*—
Millard, Irwin W., and Beatty.
- Beatty, Lowell C., assignor to Beatty Machine & Manufacturing Company, Hammond, Ind. Spacing table. 2,452,285, Oct. 26.
- Beatty Machine & Manufacturing Company, assignee: *See*—
Beatty, Lowell C.
- Beatty, Robert J. A., Dayton, Ohio, assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Locating tool. 2,451,904, Oct. 19.
- Beatty, Rolla M., Pittsburgh, Pa. Antifriction bearing mounting. 2,435,067, Jan. 27.
- Beatty, William, assignee, et al.: *See*—
Bean, Morris.
- Beaubien, De Gaspe, Outremont, near Montreal, Quebec, Canada. Electronic baking oven. 2,454,370, Nov. 23.
- Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Refrigerator car door. 2,442,031, May 25.
- Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Hatch cover and means for locking the same. 2,454,688, Nov. 23.

- Beaudin, John P., Montreal, Quebec, Canada. Folding skl. 2,450,538, Oct. 5.
- Beaudoin, Roland, Woodside, Long Island, N. Y. Electrical iron holder. 2,447,555, Aug. 24.
- Beaufriere, Albert H.: *See—*
Rockwell, Albert M., and Beaufriere.
- Beauregard, Hector, Utica, Mich. Electrode holder. 2,455,108, Nov. 30.
- Beauty Research, Incorporated, assignee: *See—*
Watkins, Thomas W.
- Beaven, Leslie W., Chicago, Ill. Engine construction. 2,455,647, Dec. 7.
- Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing synthetic rubber with dioxanthic sulfides. 2,453,689, Nov. 16.
- Beaver, John W. P.: *See—*
Pool, John E., and Beaver.
- Beaver Pipe Tools, Inc., assignee: *See—*
Pealer, Robert B.
- Beaver Tool & Engineering Corp., assignee: *See—*
Cherry, Charles A.
- Beavers, Ellington M., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Pressure-sensitive adhesive sheet. 2,445,553, July 20.
- Beavers, Ellington M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing resinous linear polyesters in crumblike form. 2,454,539, Nov. 23.
- Bechberger, Paul F., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aileron and elevator indicator. 2,441,182, May 11.
- Bechberger, Paul F., Tenafly, assignor to Bendix Aviation Corporation, Bendix, N. J. Cabin pressure control. 2,450,076, Sept. 28.
- Bechberger, Paul F., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Orientation system. 2,451,710, Oct. 19.
- Béchereau, Louis, Paris, France; vested in the Attorney General of the United States. Supporting surfaces for aircraft. 2,456,906, Dec. 21.
- Bechle, Charles W.: *See—*
Olson, John W., and Bechle.
- Bechle, Charles W., and J. W. Olson, Sycamore, Ill., assignors to Anaconda Wire and Cable Company. Wire covering machine, method, and product. 2,449,834, Sept. 21.
- Bechler, André, Moutier, Switzerland. Intermediate gear fixed to a machine frame. 2,442,112, May 25.
- Bechler, André, Moutier, Switzerland. Gripping device for automatic lathes. 2,443,220, June 15.
- Bechler, André, Moutier, Canton of Berne, Switzerland. Spindle bearing for machine tools. 2,453,182, Nov. 9.
- Bechman, William O.: *See—*
Rogers, Clifford R., Bechman, and Baker.
Ziskal, Joseph F., and Bechman.
- Bechtold, Max F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated methyl methacrylate polymer and making same. 2,440,711, May 4.
- Beck, Alfred C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive centimetric antenna. 2,434,253, Jan. 13.
- Beck, Carl E., San Francisco, Calif. Honing tool. 2,445,015, July 13.
- Beck, Harold J. A., Hinton, Iowa. Hay stacker. 2,436,031, Feb. 17.
- Beck, Roland A.: *See—*
Sensel, Eugene E., and Beck.
- Beckel, Arthur C., and L. I. De Voss, Peoria, and P. A. Belter, Pekin, and A. K. Smith, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture. Soy whip. 2,444,241, June 29.
- Beckel, Arthur C., Peoria, P. A. Belter, Pekin, and A. K. Smith, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Extraction from vegetable materials. 2,445,931, July 27.
- Becker, Albert D., Columbus, Nebr. Husking roller. 2,444,088, June 29.
- Becker, Bernard M., and J. McAfee, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Separation of suspended solids from fluids. 2,448,135, Aug. 31.
- Becker, George L., assignee: *See—*
Mungall, Thomas, Sr.
- Becker, Henry E., Chicago, Ill. Method and apparatus for the heat-treatment of low grade coal. 2,438,199, Mar. 23.
- Becker, Howard I., Schenectady, N. Y., assignor to General Electric Company. Directive radio antenna. 2,452,349, Oct. 26.
- Becker, Isidore, Bronx, N. Y. Mail sorting machine. 2,439,790, Apr. 20.
- Becker, John G., Los Angeles, Calif. Clothes-washing machine. 2,437,636, Mar. 9.
- Becker, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Coking chamber with enlarged upper portion. 2,447,837, Aug. 24.
- Becker, Joseph A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating materials and devices and methods of making them. 2,438,892, Apr. 6.
- Becker, Joseph A., Summit, J. N. Shive, North Plainfield, and T. R. Griffith, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directly heated thermocouple. 2,444,027, June 29.
- Becker, Milton, Passaic, N. J. Secret pocket billfold. 2,438,655, Mar. 30.
- Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper-actuating mechanisms for sewing machines. 2,439,332, Apr. 6.
- Becker, Sam B., assignor to Standard Oil Company, Chicago, Ill. Oxidation of organic compounds and manufacture of phthalic anhydride. 2,453,740, Nov. 16.
- Becker, Sam B., and P. F. Hawley, assignors to Standard Oil Company, Chicago, Ill. Electric arc conversion apparatus. 2,441,056, May 4.
- Becker, Stephen P., assignor to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Line tap clamp. 2,456,808, Dec. 21.
- Becker, Sylvan J., Maywood, assignor to Borg-Warner Corporation, Chicago, Ill. Photoelectric ring gauge. 2,441,343, May 11.
- Becker, Vernie R., Port Huron, Mich. Valve stem facing fixture. 2,437,927, Mar. 16.
- Beckett, Joseph A., and S. S. Berry, assignors to The General Tire & Rubber Company, Akron, Ohio. Geometrical measuring means for determining inflation pressure of loaded pneumatic tires. 2,435,644, Feb. 10.
- Beckett, Thomas G., Dallas, Tex. Float valve. 2,439,282, Apr. 6.
- Beckham, Leland J., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Nitrosyl halide addition product of allyl-type olefinic higher hydrocarbons. 2,435,570, Feb. 10.
- Beckham, Leland J., Chesterfield County, Va., assignor to Allied Chemical & Dye Corporation. Purification of organic nitrosation-sulfitation products. 2,436,243, Feb. 17.
- Beckham, Leland J., Geddes, and W. A. Fessler, Camillus, N. Y., assignors to Allied Chemical & Dye Corporation. Surface-active nitrosation-sulfitation products. 2,443,716, June 22.
- Beckham, Leland J., Geddes, and W. A. Fessler, Camillus, N. Y., assignors to Allied Chemical & Dye Corporation. Improving the color of surface-active agents. 2,447,308, Aug. 17.
- Beckman, Arnold O., Altadena, assignor to National Technical Laboratories, South Pasadena, Calif. Variable resistance device. 2,454,986, Nov. 30.
- Beckman, Emil J., Rockford, Ill. Striker plate for locks. 2,446,206, Aug. 3.
- Beckman, John H., Long, Md. Machine gun ammunition bandoleer. 2,455,352, Dec. 7.
- Beckman, Joseph R., Stockton, Calif. Fiddle. 2,457,629, Dec. 28.
- Beckman, Lawrence R., Erhard, Minn. Automobile chain snap. 2,457,435, Dec. 28.
- Beckmann, Melbourne A., assignor to Aluminum Industries, Incorporated, Cincinnati, Ohio. Packaging articles. 2,457,197, Dec. 28.
- Beckstrom, Harry A., Seattle, Wash. Loom mechanism. 2,434,344, Jan. 13.
- Beckwith, Dudley R.: *See—*
New, Archibald A., Foord, and Beckwith.
- Beckwith, Edwin L., Brookline, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Cigarette package holder. 2,440,164, Apr. 20.
- Beckwith, Edwin L., Brookline, and A. P. Swett, Westwood, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Stiffening shoe parts. 2,447,681, Aug. 24.
- Beckwith, Edwin L., West Newton, and C. P. MacIver, Stow, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Process of making molded scabbards. 2,455,215, Nov. 30.
- Beckwith, John R., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Electrical phase-shifting system. 2,454,426, Nov. 23.
- Beckwith Manufacturing Company, assignee: *See—*
Beckwith, Edwin L.
Beckwith, Edwin L., and MacIver.
Beckwith, Edwin L., and Swett.
Heaton, Walter H., and Vaccaro.
- Beckwith, Wendell K., Whitewater, assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Pneumatic tool. 2,440,457, Apr. 27.
- Beddow, Raymond R., Toledo, Ohio. Knife, fork, and spoon set. 2,439,882, Apr. 20.
- Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Sand pail. 2,451,711, Oct. 19.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Electrical servo system. 2,437,313, Mar. 9.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Servomotor control circuit. 2,439,198, Apr. 6.
- Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electronic converter. 2,435,187, Feb. 3.
- Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Phase control system. 2,435,188, Feb. 3.

- Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Phase converting system. 2,435,189, Feb. 3.
- Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Electric control system. 2,445,991, July 27.
- Bedford, Clay P., Berkeley, assignor to The Kaiser Company, Oakland, Calif. Apparatus for relieving stress in welded plates. 2,449,760, Sept. 21.
- Bedford, Leslie H., London, and J. Bell and E. M. Langham, Teddington, assignors to A. C. Cossor Limited, London, England. Cathode-ray tube. 2,456,809, Dec. 21.
- Bedwell, Floyd B.: *See*—
Stengl, Rudolph J. and Bedwell.
- Bee Bee Shoe Co., assignee: *See*—
Galper, Isa.
- Beeber, Allan R. A., Highland Park, D. D. Jacobus, Glen Ridge, and C. W. Keuffel, Bernardsville, assignors to Keuffel & Esser Company, Hoboken, N. J. Precision images and producing them. 2,447,836, Aug. 24.
- Beech Aircraft Corporation, assignee: *See*—
Earhart, Harold W.
Kintas, John.
Pelley, Perry H.
Vint, Jesse L., Jr.
- Beêche, Jorge: *See*—
Jourdan, Felix, and Beêche.
- Beecher, Brazier K., Wyandotte, Mich., assignor to Wyandotte Chemicals Corporation. Manufacture of crystalline anhydrous alkali metal orthosilicate. 2,443,128, June 8.
- Beecher, John W., assignor to The Bristol Company, Waterbury, Conn. Fluid-pressure-responsive element. 2,450,625, Oct. 5.
- Beeching, Hiram O., South Bend, Wash. Live jump roll. 2,453,401, Nov. 9.
- Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,443,177, June 15.
- Beech-Nut Packing Company, assignee: *See*—
Grupe, William F.
Hoffman, John J.
- Beeck, Otto A.: *See*—
Smith, Albert E., and Beeck.
- Beede, Herbert G.: *See*—
Lornitzo, Frank C., and Beede.
- Beede, Herbert G., Pawtucket, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Adjustable actuating means for garment pressing machines. 2,434,482, Jan. 13.
- Beeh, Louis, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y. Plunger. 2,438,839, Mar. 30.
- Beeh, Louis, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y. Hydraulic pump control. 2,448,347, Aug. 31.
- Beem Foundation, The, assignee: *See*—
Beem, Marvel D.
- Beem, Marvel D., West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Hospital bed. 2,445,258, July 13.
- Beeman, Charles E., Grand Rapids, Mich. Centrifugal means for admitting air to submarines. 2,434,453, Jan. 13.
- Beeman, Donald R.: *See*—
Liber, Harry, and Beeman.
- Beemer, Paul K.: *See*—
Lindvall, Frederick C., Beemer, and Montgomery.
- Beer, Leo: *See*—
Weisberg, Mark, Stevenson, and Beer.
- Beerbower, Alan, Westfield, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Lubricants. 2,434,539, Jan. 13.
- Beerbower, Alan, Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,449,580, Sept. 21.
- Beerbower, Alan, Westfield, and H. A. Ricards, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Solidified oils and manufacture. 2,455,649, Dec. 7.
- Beernink, Harold W., Holland, Mich. Drier for photographic prints. 2,435,420, Feb. 3.
- Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Control device. 2,441,233, May 11.
- Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Sealing means for traveling grate stokers. 2,453,487, Nov. 9.
- Beesch, Samuel C., assignor to Publicker Industries Inc., Philadelphia, Pa. Process for fermenting carbohydrates to butanol and acetone. 2,439,791, Apr. 20.
- Beeson, Coleman A., Baltimore, Md. Crown cap. 2,443,181, June 15.
- Beeson, Coleman A., Baltimore, Md. Emergency electrical generating unit. 2,444,415, July 6.
- Beetson, Geoffrey H., Hudcar Mills, Bury, assignor to The Bury Felt Manufacturing Company, Bury, England. Manufacturing fulled or hardened felt articles such as felt boots or footwear. 2,457,630, Dec. 28.
- Beggs, James E.: *See*—
McArthur, Elmer D., and Beggs.
- Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Improved electrode and envelope structure for electric discharge devices. 2,455,851, Dec. 7.
- Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electric discharge device for space resonant circuits. 2,445,992, July 27.
- Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Cathode structure. 2,445,993, July 27.
- Begley, John J., Arlington, assignor to Mutual Boiler Insurance Company, Boston, Mass. Tube roller. 2,440,536, Apr. 27.
- Beguín, Albert E., assignor to Eastman Kodak Company, Rochester, N. Y. Continuous film drier. 2,448,854, Sept. 7.
- Begun, Semi J.: *See*—
Williams, Alfred L. W., and Begun.
- Begun, Semi J., Cleveland Heights, assignor to Magnetron, Inc., Cleveland, Ohio. Magnetic sound recording and reproducing. Re. 22,970, Feb. 10.
- Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Control circuit for signal recording and reproducing systems. 2,439,446, Apr. 13.
- Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Method and apparatus for correcting phase shift distortion in sound recording systems. 2,446,479, Aug. 3.
- Behlen, Herbert P.: *See*—
Charles, Harold H., and Behlen.
- Behlmann, Herman M., Pewaukee, Wis. Insulator and support for electrically charged fence wires. 2,437,344, Mar. 9.
- Behlmer, Henry B.: *See*—
Nelson, Rolland D., and Behlmer.
- Behnisch, Robert: *See*—
Lorenz, Walter, Behnisch, and Mietzsch.
- Behnke, Albert O., Dayton, Ohio, and C. Kriegel, Wharton, Tex. Plate trimmer control. 2,450,411, Oct. 5.
- Behnke, William E., Florida, N. Y. Portable topping knife for use on onion crates. 2,445,818, July 27.
- Behr, Lyell C., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N,N'-Bis(3-diethylaminopropylamide) of dibasic aliphatic acids. 2,438,200, Mar. 23.
- Behr-Manning Corporation, assignee: *See*—
Oglesby, Nicholas E.
Smyser, James S.
- Behr, Siegfried, Flushing, N. Y. Lady's plastic hat. 2,441,788, May 18.
- Behre, Robert L., Beverly Hills, Calif. Drain stopper. 2,443,649, June 22.
- Behrend, William, Milwaukee, Wis. Debris collector for drains. 2,440,165, Apr. 20.
- Behrens, Albert, New York, N. Y. Display carton with sliding closure. 2,456,163, Dec. 14.
- Behrens, Edward L.: *See*—
Almendinger, Charles E., and Behrens.
- Behrens, Louis H., Denver, Colo. Refrigerator cabinet and means for maintaining a layer of cold air therein. 2,446,686, Aug. 10.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing penicillin. 2,440,355, Apr. 27.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for the production of penicillin. 2,440,356, Apr. 27.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Phenacetylaminoethylcrotonic acid. 2,449,191, Sept. 14.
- Behrens, Otto K., and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing penicillin. 2,440,357, Apr. 27.
- Behrens, Otto K., and R. G. Jones, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing penicillin. 2,440,358, Apr. 27.
- Behrens, Otto K., R. G. Jones, and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing penicillin. 2,440,359, Apr. 27.
- Behrens, Otto K., and R. G. Jones, Indianapolis, Ind., and J. W. Corse, Altadena, Calif., assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for the production of penicillin. 2,440,360, Apr. 27.
- Behrens, Otto K., and R. G. Jones, Indianapolis, Ind., and J. W. Corse, Altadena, Calif., assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for the production of penicillin. 2,440,361, Apr. 27.
- Behrens, Otto K., and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. N-alkenyl phenylacetamides. 2,449,192, Sept. 14.
- Behrens, Otto K., R. G. Jones, and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture medium for producing penicillin. 2,449,193, Sept. 14.
- Behrens, Otto K., and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. N-dihydroxypropyl phenylacetamide. 2,449,194, Sept. 14.
- Behrens, Otto K., and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing penicillin. 2,449,195, Sept. 14.
- Behrens, Walter A., New York, N. Y. Hook and knife unit for chenille machines. 2,436,545, Feb. 24.

- Behringer, Charles F., Los Angeles, and L. Rogers, Wilmington, Calif. Play shoe or the like. 2,435,668, Feb. 10.
- Beier, Max G., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Contactor for inductive tuners. 2,443,020, June 8.
- Beijl, Zako S., London, England. Tunnelling and like subterranean operations. 2,442,113, May 25.
- Beil, Forrest F., assignor to Curtis Companies Incorporated, Clinton, Iowa. Combination storm sash and screen. 2,433,835, Jan. 6.
- Beil, Forrest F., assignor to Curtis Companies Incorporated, Clinton, Iowa. Window structure. 2,451,654, Oct. 19.
- Bellock, David, New York, N. Y. Toothbrush holder. 2,450,626, Oct. 5.
- Beissinger, Victor J., Los Angeles, and G. D. Johnson, Compton, said Beissinger assignor to Richfield Oil Corporation, and said Johnson assignor to Baash-Ross Tool Company, Los Angeles, Calif. Apparatus for forming a section of casing below casing already in position in a well hole. 2,447,629, Aug. 24.
- Beitch, Sol J., and S. Fine, Brooklyn, N. Y. Combination illuminated telephone stand and memo pad and pencil. 2,437,237, Mar. 9.
- Belanger, Albert P. D., Alton, Ill. Carrier device for bottles and the like. 2,445,202, July 13.
- Belar, Herbert: *See*—
Cunningham, David H., and Belar.
- Belar, Herbert, Palmyra, N. J., assignor to Radio Corporation of America. Exciter lamp supply. 2,440,537, Apr. 27.
- Belcher, Daniel, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Closing bag tube ends. 2,445,757, July 27.
- Belcher, Wallace E., Jr., assignor to The Brown Instrument Company, Philadelphia, Pa. Recalibrating motor control system. 2,446,153, July 27.
- Belchertz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Production of sulfur trioxide. 2,449,190, Sept. 14.
- Belden Manufacturing Company, assignee: *See*—
Wermine, Hugo H.
- Beleskas, Stanley M., Oaklyn, N. J., assignor to Radio Corporation of America. Reactance tube and modulator circuit. 2,445,508, July 20.
- Belfield, H., Company, assignee: *See*—
Goehring, Francis R.
- Belfils, Georges, Belfort, France, assignor to General Electric Company. Electric control circuit. 2,437,066, Mar. 2.
- Belgau, Robert C., Detroit, Mich. Electrical heating apparatus for liquids. 2,437,453, Mar. 9.
- Belgau, Robert C., Detroit, Mich. Immersible electrical heater. 2,439,617, Apr. 13.
- Belisle, Adelard J., assignor to The Berkline Corporation, Springfield, Mass. Locking device for rocking chairs. 2,456,043, Dec. 14.
- Bell Aircraft Corporation, assignee: *See*—
Bell, Lawrence D.
Schwartz, Arthur A.
Strickler, John F., Jr., and Edelson.
Trotter, John C.
Wells, Harold E.
Williams, William W.
Williams, William W., and Bowers.
Wolf, Robert A.
Woods, Robert J.
Young, Arthur M.
- Bell, Alan: *See*—
Allen, Charles F. H., and Bell.
- Bell, Alexander H., Los Angeles, Calif., assignor to Continental Oil Company, Ponca City, Okla. Tool joint. 2,440,651, Apr. 27.
- Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Ash receptacle for armrests of vehicle seats. 2,449,965, Sept. 21.
- Bell, Allen M., Jr., Philadelphia County, Pa. Radius attachment for lathes. 2,453,111, Nov. 9.
- Bell, Angus S., and E. L. Greenwood, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Laminated fabric. 2,444,089, June 29.
- Bell, Bernard I.: *See*—
Weiner, Leon and Bell.
- Bell, Charles S., Oakley, near Aylesbury, England. Towed aircraft and towing the same. 2,436,988, Mar. 2.
- Bell, Clarence D.: *See*—
Weber, Arthur G., and Bell.
- Bell, Dell E., Omaha, Nebr. Device for removing extruded plaster from exterior surfaces of dental flasks. 2,454,427, Nov. 23.
- Bell, De Witt, et al.: *See*—
Kuzmick, Joseph N., and Bell.
- Bell, Eddie J., Ingleside, Tex. Clasp. 2,435,174, Jan. 27.
- Bell, Edward R.: *See*—
Vaughan, William E., and Bell.
- Bell, Fannie M., Bellevue, Ohio. Fish lure. 2,439,123, Apr. 6.
- Bell, Harry G., Paris, and J. D. Gay, Jr., Lexington, Ky. Tobacco hogsheds and securing means for the heads thereof. 2,454,267, Nov. 23.
- Bell, Harvey W., Yonkers, N. Y. Compressor or pump. 2,453,402, Nov. 9.
- Bell, Henderson M., III, Cleveland, Ohio, assignor to Chromium Corporation of America, New York, N. Y. Apparatus for electroplating rings and discs. 2,438,885, Apr. 6.
- Bell & Howell Company, assignee: *See*—
Howell, Albert S.
Knutson, Norman T., and Foote.
McNabb, Louis A.
Swanson, Keith N.
- Bell, James A., Fetcham, Leatherhead, England, assignor to Shell Development Company, San Francisco, Calif. Manufacture of lithium base greases. 2,444,720, July 6.
- Bell, James A., Leatherhead, England, assignor to Shell Development Company, San Francisco, Calif. Waterproofing plastic compositions. 2,457,518, Dec. 28.
- Bell, James R., La Grange, Ill., L. D. Stacy, Burkhurnett, Tex., and I. E. Dischinger, Jr., Berwyn, Ill., assignors to General Motors Corporation, Detroit, Mich. Explosion-proof lamp. 2,449,362, Sept. 14.
- Bell, John: *See*—
Bedford, Leslie H., Bell, and Langham.
- Bell, John F., assignor to Zenith Radio Corporation, Chicago, Ill. Temperature compensated variable inductance. 2,437,345, Mar. 9.
- Bell, John G., Chicago, Ill., assignor to Morbell Products Corporation. Container and blank therefor. 2,457,198, Dec. 28.
- Bell, John I., Royal Oak, Mich. Fish lure. 2,437,803, Mar. 16.
- Bell, Joseph D., San Francisco, Calif. Engine drive. 2,440,674, May 4.
- Bell, Joseph D., San Francisco, Calif. Power mechanism. 2,445,819, July 27.
- Bell, Joseph D., San Francisco, Calif. Engine drive. 2,445,902, July 27.
- Bell, Joseph D., San Francisco, Calif. Engine drive. 2,451,374, Oct. 12.
- Bell, Joseph D., San Francisco, Calif. Exercising machine. 2,455,548, Dec. 7.
- Bell, Joseph T., Alliance, Ohio. Windshield defroster. 2,440,923, May 4.
- Bell, Katherine V., Jersey City, N. J. Clothespin dispenser. 2,437,498, Mar. 9.
- Bell, Ladford: *See*—
Thomas, Loren, and Bell.
- Bell, Lawrence D., Eggertsville, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Horn control. 2,450,933, Oct. 12.
- Bell, Lee A., Valencia, Pa. Glare screen for motor vehicles. 2,446,866, Aug. 10.
- Bell, Lee A., Valencia, Pa. Glare screen. 2,456,484, Dec. 14.
- Bell, Leroy V., Wakefield, R. I. Improved cigarette package opener and cigarette ejector. 2,453,777, Nov. 16.
- Bell, Marian J., assignee, et al.: *See*—
Arave, Franklin M., and Nolan.
- Bell, Morris, assignor to Seeman Bros., Inc., New York, N. Y. Wick holder for evaporators. 2,452,424, Oct. 26.
- Bell, Nicholas, Dearborn, Mich. Boring head. 2,452,828, Nov. 2.
- Bell, Persa R., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Pulse shaping circuit. 2,446,802, Aug. 10.
- Bell Products Corporation, assignee: *See*—
Sebell, Harry.
- Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Mercaptan recovery. 2,441,385, May 11.
- Bell, Richmond T., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons. 2,451,375, Oct. 12.
- Bell, Richmond T. and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Synthesizing aliphatic mercaptans and sulfides. 2,447,481, Aug. 24.
- Bell, Rupert B., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,455,725, Dec. 7.
- Bell, Stanley T., Washington, D. C. Copy and practice book. 2,455,353, Dec. 7.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
Aikens, Andrew J.
Almquist, Milton L.
Anderson, Alva E.
Andrews, Ernest G., and Cesareo.
Armstrong, Elizabeth J.
Bacon, Walter M.
Barney, Harold L.
Bartelheim, Leland A., Lane, and Mallina.
Bascom, Henry M., and Hubbard.
Bascom, Henry M., Massonneau, Ostendorf, and Rea.
Beardsley, Harry L., and Meehan.
Beck, Alfred C.
Becker, Joseph A., Shive, and Griffith.
Bieling, Carl A.
Biggs, Burnard S.
Black, Robert, Jr., and Romanow.
Blazier, Charles R., and Hale.

Bell Telephone Laboratories, Incorporated, assignee: *See—*
Continued.

Bode, Hendrik W.
Boettler, Jacob R., and Burns.
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
Bond, Walter L., and Willard.
Bouton, George M., and Phipps, and Schumacher.
Bowen, Arnold E.
Bown, Ralph.
Bowne, Langford J.
Brattain, Walter H.
Briggs, Howard B., Johnson, and Mason.
Brown, John T. L.
Bruce, Edmond.
Bryant, Herbert W.
Bryant, Newton W., Crump, Dungan, and Strand.
Buchanan, Russell B.
Burton, Everett T.
Campbell, Thaddeus C.
Carter, Herman T.
Cesareo, Orfeo.
Christensen, Carl J.
Cloff, Paul P.
Clayden, Francis W.
Curl, Herbert C., and Kleinkauf.
Curtis, Austen M.
Cutler, Cassius C.
Darlington, Sidney.
Darlington, Sidney, Townes, and Wooldridge.
Davidson, John, Jr.
Dawson, Wilfrid L.
Dehmel, Richard C.
Dimond, Thomas L.
Edson, James O.
Edson, James O., and Terry.
Edwards, Paul G., and Herrington.
Eglin, James M.
Ellis, William C., and Ferguson.
Ellwood, Walter B.
Fair, Irvin E.
Farkas, Francis S.
Ferrell, Enoch B.
Fisher, Harold J.
Fisk, James B.
Fitch, Karl E., Large, and Lucek.
Fletcher, Harvey, Müller, and Swartzel.
Fox, Arthur G.
Fritschl, Walter W.
Frosch, Carl J.
Fry, Eugene M.
Fuller, Calvin S.
Ganz, Albert G., and Hasley.
Garvin, John S.
Gent, Edgar W.
Gillespie, Rollin W.
Goddard, Myron C.
Goldsmith, Elsworth H., Terry, and Schaefer.
Goodale, Walter D., Jr., and Pope.
Goodall, William M.
Gordon, Chester S.
Gould, King E., and Mertz.
Griest, Raymond H.
Hansen, Rolf K.
Harrison, Charles W.
Harrison, Henry C.
Harry, William R.
Hartman, Paul L.
Havstad, Harald.
Haworth, Francis E.
Hecht, George, and Meacham.
Hecht, Rudolph A.
Hefe, John R.
Heising, Raymond A.
Hersey, Ralph E.
Hibbard, Frank H.
Hillsinger, Harry A., Jr.
Holdaway, Vivian L.
Holden, William H. T.
Hopper, Andrew L.
Houghton, Edward W.
Huber, George H.
Hussey, Luther W.
Jansky, Karl G.
Joel, Amos E., Jr.
Johnson, John B.
Jordan, Homer G.
Karleen, Edward H.
Kennenberg, Walter F.
Kent, Robert J.
Ketchledge, Raymond W.
King, Douglas H.
King, John H.
Kinkead, Fullerton S., Phelps, Smith, Singer, and Melhuish.
Koenig, Walter, Jr.
Krantz, Hubert K.
Lakatos, Emory.
Lang, Wilmarth Y.
Llewellyn, Frederick B.
Locke, George A.
Lovell, Clarence A., and Parkinson.
Maggio, John B.
Mallina, Rudolph F.

Bell Telephone Laboratories, Incorporated, assignee: *See—*
Continued.

Malm, Frank S.
Manley, Jack M., and Peterson.
Mao, Yu-Yyeh A.
Marrison, Warren A.
Mason, Warren P.
McAlpine, Roderick K., Retallack, and Stibitz.
McDermott, Scott J., and Kostkos.
McKim, Burton.
McMahon, William.
Meacham, Larned A.
Merrill, Francis G.
Meszards, George W., and Trucksess.
Miller, Stewart E.
Miller, Victor F.
Moore, Hilbert R.
Morton, Jack A.
Morton, Jack A., and Speck.
Mott, Edward E.
Mueller, George E.
Nesbitt, Ethan A.
Norwine, Andrew C.
Ohl, Russell S.
Oliver, Bernard M.
Peek, Robert L., Jr.
Pennoyer, Douglas H.
Peterson, Liss C.
Pfann, William G.
Pfleger, Kenneth W.
Pierce, John R.
Pollard, Charles E., Jr.
Potter, James A.
Potter, Ralph K.
Praizner, Edward.
Quarles, Donald A.
Ramsden, Clayton W.
Rea, Wilton T., and Wilkerson.
Reitter, George E.
Retallack, John B.
Richard, Charles D.
Rieke, John W.
Rieke, John W., and Shank.
Riesz, Robert R.
Ring, Douglas H.
Robertson, Sloan D.
Robinson, Albert L.
Ronci, Victor L.
Rorden, Henry C.
Rose, Charles F. P.
Samuel, Arthur L.
Schelkunoff, Sergei A.
Schelleng, John C.
Sears, Raymond W.
Sebell, Harry.
Shank, Robert J.
Shann, Oscar A.
Sharpless, William M.
Sippel, Theodore E.
Sivian, Leon J.
Skellett, Albert M.
Slater, John C.
Sproul, Philip T.
Stacy, Leland J.
Storks, Keith H., and Teal.
Stratton, William D.
Swezey, Burdette S.
Townes, Charles H.
Treptow, Frederick W.
Tyrrell, Warren A.
Van Damme, Louis E.
Weaver, Allan.
Wente, Edward C.
West, John W.
Willard, Gerald W.
Williams, Samuel B.
Wurmser, Alphonse V.
Bell, Thomas A., Ridgefield Park, N. J. Trouser hanger. 2,440,066, Apr. 20.
Bell, Thomas J., Island Grove, Fla. Celery cutter. 2,438,598, Mar. 30.
Bell, Thomas W., Washington, D. C. Towel rack. 2,455,213, Nov. 30.
Bell and Wallace Manufacturing Corporation, assignee: *See—*
Wallace, Walter E.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic counting device. 2,441,001, May 4.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Revertive ringing automatic telephone system. 2,443,945, June 22.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic counting device. 2,456,169, Dec. 14.
Bellamy, Virginia W., Cold Spring Harbor, N. Y. Number knitting. 2,435,068, Jan. 27.
Belleruda Aktiebolag, assignee: *See—*
Johnsson, John.
Belling, Bernard A., Beaver Dam, Wis. Lighting set. 2,453,695, Nov. 16.

- Bellinger, George B., Chicago, Ill. Safety gas burner. 2,444,490, July 6.
- Bellinger, Spencer L., Lake Luzerne, N. Y., assignor to General Electric Company. Flash control system. 2,442,189, May 25.
- Bellis, Alexander, Shelton, Conn. Means for connecting cord springs to attachment plug caps. 2,450,369, Sept. 28.
- Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Sheet feeding method and apparatus therefor. 2,454,762, Nov. 30.
- Bellvilá, Ricardo: *See*—
Trebboux, Jules and Bellvilá.
- Bellwood, Carl R., Ridgefield, assignor to The Cravenette Company, U. S. A., Hoboken, N. J. Treatment of textiles with acyloxy-substituted aromatic acid salts. 2,448,247, Aug. 31.
- Belmont, Edgar, Port Chester, N. Y. Rack. 2,438,886, Apr. 6.
- Belmont Radio Corporation, assignee: *See*—
Beckwith, John R.
Hills, Elmer G.
Horner, Wilfred, and Wesselman.
Marholz, Richard C.
O'Brien, Edgar.
Olesky, Anthony P.
Royal, Leslie L.
- Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.
Beachler, Edward D.
Nagy, Milo J., and Belz.
- Bels, Basil A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Tunable ultra high frequency resonator system. 2,446,405, Aug. 3.
- Belsinger Inc., assignee: *See*—
Belsinger, Jack R.
- Belsinger, Jack R., assignor to Belsinger Inc., Atlanta, Ga. Easy packing container. 2,453,614, Nov. 9.
- Belson, Morris: *See*—
White, Gifford E., and Belson.
- Belter, Paul A.: *See*—
Beckel, Arthur C., Belter, and Smith.
Beckel, Arthur C., De Voss, Belter, and Smith.
- Beltz, John S., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Belt tensioning mechanism for conveyors. 2,452,980, Nov. 2.
- Belvel, Robert E., Hayward, Calif. Shackle. 2,435,336, Feb. 3.
- Belyeu, Henry, Houston, Tex. Supplemental motor vehicle seat. 2,435,733, Feb. 10.
- Belz, Louis: *See*—
Pierce, John R.
Robinson, Albert L.
Shann, Oscar A.
Thomas, Frank M.
- Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft control. 2,450,709, Oct. 5.
- Bemel, Nathan, Rochester, Minn. Portable battery stripping device. 2,457,519, Dec. 28.
- Bemis Bros. Bag Company, assignee: *See*—
Belcher, Daniel.
Bemis, Farwell G., and Pierce.
Brady, Charles V., and Ottinger.
Gelmer, William J.
Hannewald, Burton A., and Reimer.
Williams, Russell J.
- Bemis, Farwell G., Brookline, Mass., and R. E. Pierce, Seattle, Wash., assignors to Bemis Bros. Bag Company, St. Louis, Mo. Pivoted lug conveyor. 2,450,106, Sept. 28.
- Bemis, Ken E., Oakland, Calif. Hamburger apportioning, forming, and wrapping machine. 2,452,218, Oct. 26.
- Bemis, Kenneth E., Oakland, Calif. French frying apparatus. 2,456,810, Dec. 21.
- Bemis, Robert E., Houston, Tex. Window sash mounting and operating mechanism. 2,449,761, Sept. 21.
- Bemis, Watson A.: *See*—
Brown, James M., Bemis, and Monroe.
- Benamy, Avivah, Brooklyn, N. Y. Baby bath towel. 2,441,745, May 18.
- Benander, George B., Oaklawn, R. I., assignor to Monowatt Electric Corporation. Cord set and junction block therefor. 2,440,924, May 4.
- Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Electric switch. 2,454,540, Nov. 23.
- Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Plug connector. 2,457,520, Dec. 28.
- Benander, George B., Oaklawn, assignor, by mesne assignments, to Monowatt Incorporated, Providence, R. I. Electric-light fixture. 2,457,521, Dec. 28.
- Benbow, Burtis W., Benbow, Calif. Molding machine. 2,440,598, Apr. 27.
- Benbow, Burtis W., Benbow, Calif. Electrical contacting equipment. 2,453,778, Nov. 16.
- Benda, Theodore R., Villa Park, Ill., assignor to Excel Incorporated. Hanger. 2,445,758, July 27.
- Bendar, Arthur Z., Burbank, Calif. Flight position and force indicating instrument. Re. 23,038, Sept. 14.
- Bender, Emil A., Bakersfield, Calif. Crown block assembly. 2,440,427, Apr. 27.
- Bender, Harry, Antioch, R. P. Obrecht, Berkeley, and H. E. Kling, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Gas reactor. 2,441,528, May 11.
- Bender, Joseph, Jr., assignor to The General Industries Company, Elyria, Ohio. Phonograph driving mechanism. 2,438,264, Mar. 23.
- Bender, Welcome W., Jr.: *See*—
Magruder, Peyton M., and Bender.
- Bendfelt, Herbert A., Oak Park, assignor to Mills Industries, Incorporated, Chicago, Ill. Motion-picture projection machine. 2,436,032, Feb. 17.
- Bendix Aviation Corporation, assignee: *See*—
Alexanderson, Howard A.
Alvino, Alphonse V.
Anderson, Edward P.
Barford, Frederick.
Barford, Frederick, and Wirth.
Beardsley, Guy E., Jr.
Bechberger, Paul F.
Berlinger, George E.
Bevins, James E.
Blocher, Ora G.
Bolt, Jay A., and Moore.
Boshka, Joseph M., Goepfrich, and Kuzmitz.
Buxton, James E.
Cautley, John R.
Chambers, Allan C.
Childs, Robert S.
Cole, Charles E.
Cooper, Julius L., and Heist.
Cox, Parker G.
Cox, Parker G., and Hansen.
Dasher, Don E.
Davis, Robert J.
Dickens, Richard G.
Dickey, John W.
Digby, James J.
Divoll, Richard L.
Douglas, Kenneth F.
Driscoll, Paul A.
Eaton, Wilfred A.
Emerson, John F.
Evans, Le Roy J.
Fant, William J., Jr.
Fisher, Delbert P.
Flanagan, Robert.
Fox, Kenneth H.
Frank, Frederick C.
Frei, Jakob R.
Frei, Jakob R., and Purdy.
Fusco, Anthony J., and Bleiweis.
Gagen, Charles V.
Garey, John P.
Gates, Geoffrey R. G.
Geyh, Charles P.
Gilbert, Samuel.
Gleason, Vernon E.
Goepfrich, Rudolph A.
Gregg, David.
Gregg, David, and Troeger.
Hauck, Vernon D.
Havill, Clinton H.
Hegy, Louis.
Hengst, Walter D.
Hermann, Heinrich.
Holmes, William R.
Hood, E. Elliott.
House, Bryan E.
House, Bryan E., and Goepfrich.
Huckleberry, Harry M.
Hurley, Roy T.
Jandasek, Joseph.
Jones, Burr W.
Jordan, Benjamin H.
Kasten, Walter.
Keyworth, James C.
Konet, Henry.
Kucher, Andrew A.
Lansing, Raymond P.
Lauricella, John W.
Lawrence, Donald M.
Lum, George P.
MacCallum, Alan M.
Marmont, George H.
McNairn, Oral C.
McNaney, Joseph T.
Merritt, George E.
Miles, George S.
Miller, Donald L.
Miller, Raymond J.
Mock, Frank C.
Nardone, Romeo M.
Neuner, Martin J.
Noxon, Paul A.
Ochtman, Leonard.
Ogden, William L. W., and Ryan.
Oliver, Ralph J.
Polye, William R.
Pond, William B., and Hart.
Price, Earl R.
Price, Harold W.
Ringer, Erue J.

Bendix Aviation Corporation, assignee: *See*—Continued.

Roberts, Jean M.
 Rodemann, Emmett P.
 Root, Charles W.
 Ruscito, Anthony J.
 Schaberle, George S.
 Schattle, Roland B.
 Schultz, Harold B.
 Sherrill, Eugene A.
 Singleton, William W.
 Singleton, William W., and Dasher.
 Stenberg, Thornton R.
 Strehinger, Richard R.
 Strozinski, Anthony J.
 Stuart, Alfred A., Jr.
 Taylor, Myron L., Pond, and Eayrs.
 Teague, Walter D., Jr.
 Thieme, George B.
 Thomas, Thomas H.
 Tognola, Tullio.
 Tognola, Tullio, and Segall.
 Trautman, Walter C.
 Troeger, Henry, and Lawrence.
 Trout, Norwood S., Jr.
 Ulrich, Bernhard, Jr.
 Walker, Howard.
 Waterman, Herbert C.
 Wheeler, Harold A.
 Winkler, Albert H.
 Wirth, Emil O.
 Wirth, Emil O. and Barford.
 Wirth, Emil O., and Leibing.
 Wisman, Franklin O.
 Wood, Louvan E.
 Bendix, Gordon H., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Electrolytic stripping and determination of plating metal. 2,455,726, Dec. 7.
 Bendix Home Appliances, Inc., assignee: *See*—
 Bowen, Herbert C.
 Constantine, Arthur R.
 Moore, Robert L.
 Bendix, Vincent, Flemington, N. J., assignor to Helicopters, Inc. Mechanism for controlling helicopters with coaxial rotors. 2,448,073, Aug. 31.
 Bendix, Vincent, Flemington, N. J., assignor to Helicopters, Inc. Helicopter with coaxial rotors. 2,456,485, Dec. 14.
 Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
 Eaton, Wilfred A.
 Fitch, Ellery R.
 Gates, Charles E.
 Rohrer, Frederick F., Jr.
 Vorech, Stephen.
 Bendixen, Palle N., Copenhagen, Denmark. Device for transforming direct current into alternating current or vice versa. 2,449,048, Sept. 14.
 Benedek, Elek K., Chicago, Ill. Rotary hydraulic machine. 2,452,541, Nov. 2.
 Benedict, T. N., Mfg. Co., assignee: *See*—
 Costa, Mannie F.
 Benenfeld, Peter, New York, N. Y. Reinforced corner seam for utility bags. 2,440,138, Apr. 20.
 Beney, James K.: *See*—
 Chatterjea, Prafulla K., and Beney.
 Bengert, Edgar F., Kansas City, Mo., assignor of one-half to A. N. Brunson. Telescope mounting for guns. 2,445,595, July 20.
 Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungus-proofing composition. 2,457,025, Dec. 21.
 Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Piezoelectric vibrator. 2,443,178, June 15.
 Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,443,179, June 15.
 Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Spark gap. 2,435,571, Feb. 10.
 Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Acoustic structure. 2,444,911, July 13.
 Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Device for transmitting and receiving compressional energy. 2,450,412, Oct. 5.
 Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Spark transmitter. 2,450,413, Oct. 5.
 Benjamin, Allen, Chicago, Ill. Flexible watch band. 2,434,383, Jan. 13.
 Benjamin, Allen, Chicago, Ill. Spring band. 2,452,286, Oct. 26.
 Benjamin, Allen, Chicago, Ill. Spring winding machine. 2,455,549, Dec. 7.
 Benjamin, Edward B.: *See*—
 Lippman, Alfred, Jr., Comstock, and Benjamin.
 Benjamin, George W., Birmingham, Ala., assignor to Continental Gin Company. Belt conveyor frame construction. 2,437,499, Mar. 9

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin. Chuck. 2,436,848, Mar. 2.
 Benlee Sporting Goods Mfg. Co., assignee: *See*—
 Golomb, Jules.
 Benmatt Organization: *See*—
 Stunkel, Werner W.
 Benn, Stephen J., Philadelphia, Pa. Humidity modifying and heat conserving means. 2,445,102, July 13.
 Bennekou, Ingolf, Frederiksberg, assignor to Lovens Kemiske Fabrik v/Aug. Kongsted, Copenhagen, Denmark. Production of such glucosides of polyoxy compounds with cyclopentane-polyhydro-phenanthrene ring system as have at least one free oxy group in the sterine skeleton. 2,455,214, Nov. 30.
 Benner, Dale A., Alton, Ill. Rail leveler. 2,434,254, Jan. 13.
 Benner, Harry L.: *See*—
 Bair, Robert R., Benner, and Walter.
 Benner, Harry L., and R. R. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removing organic impurities from copper-cyanide electroplating baths. 2,434,191, Jan. 6.
 Benner, Harry L., and R. R. Bair, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metalworking and stripping-plating process. 2,436,244, Feb. 17.
 Benner, Raymond C.: *See*—
 Melton, Romie L., and Benner, and Kirchner.
 Bennet, Owen G.: *See*—
 Frazer, Joseph W. C., and Bennett.
 Bennetch, David S., Sheridan, Pa. Semiautomatic automotive transmission with governor-synchronized gears. 2,451,058, Oct. 12.
 Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Microscope and counting chamber therefor. 2,435,952, Feb. 17.
 Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Polarizing microscope and polarizing haemacytometer therefor. 2,435,953, Feb. 17.
 Bennett, Alva H., Kenmore, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for vapor coating of large surfaces. 2,435,997, Feb. 17.
 Bennett, Ashley C., St. Louis Park, Minn. Liquid fuel burner control. 2,456,170, Dec. 14.
 Bennett, Barney, New York, N. Y. Carburetor attachment for conserving fuel. 2,437,992, Mar. 16.
 Bennett, Charles E., Ridgewood, N. J. Apparatus for protecting inflammable liquids against fire. 2,449,270, Sept. 14.
 Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. High-tension electric cable. 2,457,436, Dec. 28.
 Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for pipe lines. 2,457,438, Dec. 28.
 Bennett, Charles E., Ridgewood, and P. V. White, Rochelle Park, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint structures for cables. 2,449,271, Sept. 14.
 Bennett, Charles E., Ridgewood, and P. V. White, Rochelle Park, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Terminal bushing for power cables. 2,457,437, Dec. 28.
 Bennett, Clark F., Montpelier, Ind. Holder for double edged wafer type blades. 2,437,928, Mar. 16.
 Bennett, Donald E., Larkspur, Calif. Emergency wheel. 2,447,225, Aug. 17.
 Bennett, Donald E., Larkspur, Calif. Sign for electric doorbell switches. 2,447,226, Aug. 17.
 Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Surface combustion cracking furnace. 2,436,282, Feb. 17.
 Bennett-Feragen, Inc., assignee: *See*—
 Bennett, Harold L.
 Bennett, Frederick D., Dayton, and T. A. Newkirk, Fairfield, Ohio. Temperature control device. 2,438,109, Mar. 23.
 Bennett, George, Vallejo, Calif. Clamp. 2,453,112, Nov. 9.
 Bennett, Harold F., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Telecentric projection lens. 2,445,594, July 20.
 Bennett, Harold L., assignor to Bennett-Feragen, Inc., South Bend, Ind. Starter testing apparatus. 2,446,039, July 27.
 Bennett Incorporated, assignee: *See*—
 Eaton, Charles F.
 Bennett, Irving K., Baldwin, N. Y. Broiler grill. 2,439,283, Apr. 6.
 Bennett, James B., Los Angeles, and J. J. McCarter, Alhambra, Calif., assignors, by mesne assignments, to Thermoid Company. Rubber wheel. 2,448,248, Aug. 31.
 Bennett, Lawrence A., Industrial City, Mo. Reversible meat block and support stand. 2,440,629, Apr. 27.
 Bennett, Leonard W., assignee: *See*—
 Bannister, Walter L.

- Bennett, Nicholas: *See*—
Foster, Reginald T., and Bennett.
Hawkins, Peter A., and Bennett.
- Bennett, Owen G.: *See*—
Frazer, Joseph C. W., and Bennett.
- Bennett, Paul G., Boston, Mass. Toothbrush. 2,445,657, July 20.
- Bennett, Racy D., assignor to Vinco Corporation, Detroit, Mich. Machine tool. 2,442,635, June 1.
- Bennett, Robert M., Birmingham Township, Chester County, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,442,190, May 25.
- Bennett, Robert N., Findlay, Ohio, assignor, by mesne assignments, to Gar Wood Industries, Inc., Detroit, Mich. Digging wheel drive for trenchers. 2,451,315, Oct. 12.
- Bennett, Wallis R., assignor to The Dow Chemical Company, Midland, Mich. Producing an alkaline detergent. 2,455,648, Dec. 7.
- Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Timing apparatus. 2,437,929, Mar. 16.
- Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Gear testing apparatus. 2,444,016, June 22.
- Bennett, William O., Jr., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Cylindrical hairspring form. 2,457,631, Dec. 28.
- Benning, Anthony F., Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Distillation process for separating products of chloroform fluorination. 2,450,414, Oct. 5.
- Benning, Anthony F., Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Distillation process for separating products of carbon tetrachloride fluorination. 2,450,415, Oct. 5.
- Benning, Anthony F., Woodstown, N. J., and J. D. Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorination of acyclic olefinic compounds. 2,437,993, Mar. 16.
- Benning, Walter F., Toledo, Ohio, assignor to Mack Manufacturing Corporation, New York, N. Y. Combined throttle and brake pedal. 2,452,981, Nov. 2.
- Benninger, Eduard: *See*—
Villiger, Eugen, and Benninger.
- Benoit, Leon, assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Cellular carton. 2,455,291, Nov. 30.
- Benrus Watch Company, Inc., assignee: *See*—
Marchand, Adamir.
- Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Manipulator. 2,440,067, Apr. 20.
- Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Movable anode structure. 2,443,021, June 8.
- Benson, Alfred B.: *See*—
Carroll, Fred M., and Benson.
- Benson, Ellen G. and R. E., Eden, N. Y. Toy. 2,445,994, July 27.
- Benson, Ernest H., Kansas City, Mo. Cooling fan for aircraft engines. 2,436,087, Feb. 17.
- Benson, Harold J., Pasadena, assignor to Hartwell Aviation Supply Company, Los Angeles, Calif. Hinge structure. 2,440,817, May 4.
- Benson, John B., Pittsfield, Mass. Antirattle device for windows and the like. 2,440,887, May 4.
- Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Top access refrigerator cabinet. 2,446,322, Aug. 3.
- Benson, Merle K., Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa. Hand sled. 2,446,452, Aug. 3.
- Benson, Ralph L., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Compressor motor and making same. 2,453,297, Nov. 9.
- Benson, Richard E.: *See*—
Benson, Ellen G. and R. E.
- Bent, Arthur J., Penn Township, Allegheny County, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load compensating brake. 2,450,464, Oct. 5.
- Bent, Arthur J., Wilksburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure controlled actuator. 2,452,176, Oct. 26.
- Bent, George R., Northbrook, assignor, by mesne assignments, to Consolidated Cosmetics, Chicago, Ill. Powder box having sealing ring. 2,449,196, Sept. 14.
- Bent, Henry E., Columbia, Mo. Heaters, stoves, and burners, particularly adapted for use in making field laboratory tests. 2,448,412, Aug. 31.
- Bentham, Albert E., assignor to The Baltimore Paper Box Co., Baltimore, Md. Carton. 2,454,029, Nov. 16.
- Bentley Engineering Company Limited, The, assignee: *See*—
Deans, Frederick E., and Wainwright.
- Bentley, Frank B.: *See*—
Doane, Lewis B., and Bentley.
- Bentley, George K., assignor to McCray Refrigerator Company, Kendallville, Ind. Liquid cooling apparatus. 2,433,977, Jan. 6.
- Bentley, Harold P., Syracuse, N. Y. Work manipulator. 2,445,016, July 13.
- Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric wire terminal. 2,451,466, Oct. 19.
- Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Reverse action switch control. 2,451,905, Oct. 19.
- Benton, Gela J., and W. A. Schumacher, Chicago, Ill. Skin massager. 2,445,596, July 20.
- Bentzien, Leonard T.: *See*—
Pearson, Herbert F., and Bentzien.
- Bentzman, Louis, Bronx, assignor to Accmatool Co., Inc., New York, N. Y. Adjustable tripod head. 2,434,829, Jan. 20.
- Bentzman, Louis, assignor to Accmatool Co., Inc., New York, N. Y. Engraving machine. 2,445,903, July 27.
- Benyak, John B., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. End brush and making. 2,449,158, Sept. 14.
- Benyon, Frank: *See*—
Coldwell, Joe D., and Benyon.
- Benziger, Alfred B., Chicago, Ill. Tube holder. 2,449,197, Sept. 14.
- Berberich, Leo J., Forest Hills, assignor to Westinghouse Corporation, East Pittsburgh, Pa. Capacitor and dielectric therefor. 2,434,540, Jan. 13.
- Berberich, Leo J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,456,907, Dec. 21.
- Berberich, Otto F.: *See*—
Carman, Everett F., and Berberich.
- Berberich, Otto F., Jersey City, N. J., assignor to Interchemical Corporation, New York, N. Y. Printing ink. 2,439,378, Apr. 13.
- Bercaw, Henry B., Kenton, Ohio. Pulley block. 2,453,963, Nov. 16.
- Berch, Samuel H., Beverly Hills, Calif. Carton for ice cream and the like. 2,443,530, June 15.
- Berch, Samuel H., Beverly Hills, Calif. Carton for food products. 2,443,531, June 15.
- Berch, Samuel H., Beverly Hills, assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif. Vacuum sealing flexible packages. 2,449,272, Sept. 14.
- Berczeller, Arpad, New York, N. Y. Bile acid derivatives of aryl sulfonamides. 2,441,129, May 11.
- Berg, Carl, Northampton, and M. Berg, assignors to Nickel Cadmium Battery Corporation, Easthampton, Mass. Battery gland for terminals or vents. 2,456,246, Dec. 14.
- Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for educting oil from shale by utilizing hot spent shale. 2,441,386, May 11.
- Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Wax oil separation with dehydration of solvent therefor. 2,443,532, June 15.
- Berg, Isadore A., Cincinnati, Ohio. Compressed cereal. 2,437,150, Mar. 2.
- Berg, Lloyd, O'Hara Township, Allegheny Co., and J. M. Harrison, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Azeotropic distillation of chloroethyl benzene from chlorostyrene. 2,442,229, May 25.
- Berg, Lloyd, Bozeman, Mont., and J. M. Harrison, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Azeotropic distillation of chloroethyl benzene from chlorostyrene. 2,442,230, May 25.
- Berg, Louis, Birmingham, Mich. Hydraulic jack. 2,456,105, Dec. 14.
- Berg, Marcus: *See*—
Berg, Carl, and M.
- Berg, Martin, Brooklyn, N. Y. Match book holder with wind guard. 2,435,491, Feb. 3.
- Berg, Martin, Brooklyn, N. Y. Dispenser with follower and valved outlet. 2,443,022, June 8.
- Berg, Otto G., Spokane, Wash. Blower. 2,437,183, Mar. 2.
- Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Tinsel wire connector. 2,453,615, Nov. 9.
- Bergantino, Joseph F., San Francisco, Calif. Clothespin. 2,457,026, Dec. 21.
- Bergeim, Frank H.: *See*—
Lott, William A., and Bergelm.
- Bergel, Franz: *See*—
Avison, Anthony W. D., Bergel, and Haworth.
- Bergel, Franz, and A. Cohen, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of ketotetrahydropyridine derivatives and hydroxypyridine derivatives. 2,440,218, Apr. 20.
- Bergel, Franz, and A. Cohen, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Manufacture of ketotetrahydropyridine derivatives and hydroxypyridine derivatives. 2,440,219, Apr. 20.
- Bergel, Franz, A. L. Morrison, and H. Rinderknecht, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Manufacture of heterocyclic bases. 2,446,803, Aug. 10.

- Bergel, Franz, A. L. Morrison, and H. Rinderknecht, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. 3-aryl-2-carbalkoxy piperidines and pyrolidines and synthesis thereof. 2,446,804, Aug. 10.
- Bergel, Franz, A. L. Morrison, A. R. Moss, M. Königstein, and H. Rinderknecht, Welwyn Garden City, England, assignors to Hoffman-La Roche Inc., Nutley, N. J. Bile acid derivatives and the manufacture of same. 2,456,363, Dec. 14.
- Berger, Alexandre, New York, N. Y., assignor to Aircraft Hydraulics, Inc. Accumulator. 2,450,031, Sept. 28.
- Berger, Arthur F.: *See*—
Kuner, William H., and Berger.
- Berger Bros. Company, assignee: *See*—
Unger, Henry E.
Versoy, Irving R.
Wolfe, Morton B.
- Berger, Earl O.: *See*—
Robinson, Lawrence R., and K. I., Berger and Lang.
- Berger, Elwood A.: *See*—
Olson, Malven L., and Berger.
- Berger, Emric W., San Diego, Calif. Water vehicle. 2,438,493, Mar. 30.
- Berger, France B., Watertown, Mass., and W. A. Higinbotham, Santa Fe, N. Mex., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electronic squaring circuit. 2,441,387, May 11.
- Berger, George E. and J. A., Two Rivers, Wis. Interchangeable toy. 2,450,326, Sept. 28.
- Berger, Henry G.: *See*—
Socolofsky, John F., and Berger.
- Berger, Henry G., Glen Rock, G. S. Crandall and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of drying oils. 2,440,000, Apr. 20.
- Berger, Henry G., Glen Rock, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,442,915, June 8.
- Berger, Henry G., T. T. Noland, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition and improving agent thereof. 2,450,405, Oct. 5.
- Berger, Joseph, and M. Wachman, Brooklyn, N. Y. Key holder. 2,451,056, Oct. 12.
- Berger, Julia A.: *See*—
Berger, George E. and J. A.
- Berger, Kornel, Kew Gardens, Long Island, N. Y. Lamp harp. 2,435,954, Feb. 17.
- Berger, Samuel I., Newark, N. J. Spring opened index. 2,446,900, Aug. 10.
- Bergerion, René, Saint-Cloud, France. Tethered ball game apparatus. 2,437,454, Mar. 9.
- Bergeron, Gerard, Wotton, Quebec, Canada. Portable motor base. 2,433,978, Jan. 6.
- Berges, Donald M., Cleveland Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Explosion-proof motor. 2,454,371, Nov. 23.
- Bergh, Charles J., assignor to Jacobsen Manufacturing Company, Racine, Wis. Motor drive for centrifugal pumps. 2,434,979, Jan. 27.
- Bergh, Philip, Forest Hills, N. Y. Motion-picture target. 2,456,857, Dec. 21.
- Berghoff, Mathew W., Lafayette, assignor to The B-J Company, Inc., West Lafayette, Ind. Inside storm window. 2,456,486, Dec. 14.
- Bergier, Jacques, A. Eskenazi, and A. Helbronner, Lyon, France; vested in the Attorney General of the United States. Automatic measurement of length by means of electrical impulses. 2,436,785, Mar. 2.
- Berglund, Harold R., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Badge having a detachable tag cooperating with an integral window in said badge. 2,441,002, May 4.
- Berglund, Nils, administrator: *See*—
Flater, Harold, Berglund, and Waernhoff, and Franson.
- Berglund, Ralph M., Seattle, Wash., assignor to American Can Company, New York, N. Y. Making vent valves for containers. 2,456,615, Dec. 21.
- Bergman, Charles P., Brooklyn, N. Y., assignor to Rockwell Manufacturing Company. Fluid meter. 2,449,973, Sept. 28.
- Bergman, Charles P., deceased, Brooklyn, N. Y.; W. V. Elliott, administrator, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Rotary fluid meter. 2,449,974, Sept. 28.
- Bergman, Eugene E., Red Bank, N. J. Control means for maintaining constant temperature of liquids. 2,444,416, July 6.
- Bergman, Gote E., New York, N. Y. Razor blade sharpener. 2,452,094, Oct. 26.
- Bergman, Mendel, U. S. Navy. Water injection system for aircraft. 2,439,879, Apr. 13.
- Bergmann, Eric A., Fishkill, N. Y., H. V. Ashburn, Waynesburg, Pa., and G. W. Eckert, Glenham, assignors to The Texas Company, New York, N. Y. Method of preparation of barium soap greases. 2,450,224, Sept. 28.
- Bergmann, Ernst, assignor, by mesne assignments, to Polymerisable Products Limited, London, England. Preparing acetone-chloroform. 2,446,453, Aug. 3.
- Bergmann, Ernst, and M. Sulzbacher, assignors to Polymerisable Products, Limited, London, England. Production of secondary and tertiary halogenated alcohols. 2,446,454, Aug. 3.
- Bergmann, Paul F., Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Hydraulic tappet. 2,438,631, Mar. 30.
- Bergquist, Carl H., Forest Hills, assignor to Elliott Company, Jeannette, Pa. Deaerating heater. 2,452,716, Nov. 2.
- Bergstein, Frank D., et al., assignee: *See*—
Bergstein, Samuel, and Van Guelpen.
- Bergstein, Robert M., assignee, trustee, et al.: *See*—
Bergstein, Samuel.
- Bergstein, Samuel, Cincinnati, Ohio. Making gas filled flexible containers. 2,442,161, May 25.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Making grease- and moisture-proof coated paperboard. 2,443,221, June 15.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Waxing paper. 2,443,222, June 15.
- Bergstein, Samuel, Cincinnati, and L. J. Van Guelpen, Middletown, Ohio, assignors to R. M. and F. D. Bergstein, trustees. Maintaining and conveying cartons. 2,443,293, June 15.
- Bergsteinsson, Ingolfur, Billings, Mont., and J. R. Scheibhl, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production and recovery of olefin oxides. 2,437,930, Mar. 16.
- Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Unit handled double row roller bearing. 2,447,928, Aug. 24.
- Bergstrom, Albert L., and Harold D. Stover, assignors to The Timken Roller Bearing Company, Canton, Ohio. Unit handled double row roller bearing. 2,447,838, Aug. 24.
- Bergstrom, Carl O., Boston, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Axial flow fan. 2,435,645, Feb. 10.
- Bergstrom, Carl O., Boston, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Centrifugal fan. 2,439,124, Apr. 6.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam for looms. 2,445,932, July 27.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for warp beam in looms. 2,447,227, Aug. 17.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for transfer of particle form solids. 2,443,180, June 15.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heater. 2,445,554, July 20.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heater. 2,446,805, Aug. 10.
- Bergstrom, Eric V., Short Hills, N. J., and E. Utterback, Upper Darby, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for transfer of particle form solids. 2,443,412, June 15.
- Bergstrom, Herman A.: *See*—
Von Glahn, William H., and Bergstrom.
- Bergström, Hilding O. V., Stockholm, G. B. Heijmer, Enebyberg, and K. G. Trobeck, Stockholm, Sweden. Inundrating boards of fibrous materials. 2,437,931, Mar. 16.
- Bergvall, Knut L., and E. E. Dahlberg, Stockholm, Sweden. Device for the joining of tubes. 2,452,219, Oct. 26.
- Beringer, George E., assignor to Bendix Aviation Corporation, South Bend, Ind. Supporting beam for aircraft landing gears. 2,440,068, Apr. 20.
- Berini, Clarence J., Detroit, Mich. Door lock. 2,448,293, Aug. 31.
- Berk, Abraham A.: *See*—
Schroeder, Wilburn C., and Berk.
- Berke, Aaron, assignor to Victory Container Corporation, New York, N. Y. Shipping container. 2,445,467, July 20.
- Berkeley, Harrison C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,454,960, Nov. 30.
- Berkey, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,433,650, June 22.
- Berkholder, George H., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Switch. 2,452,425, Oct. 26.
- Berkley, Carl: *See*—
Feldt, Rudolf, and Berkley.
- Berkline Corporation, assignee: *See*—
Belisle, Adalard J.
- Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Cylinder ridge reamer. 2,452,095, Oct. 26.
- Berkoff, Seymour, Bridgeport, Conn., assignor to General Electric Company. Phase shifting circuit. 2,451,796, Oct. 19.
- Berl, Ernst, Pittsburgh, Pa., deceased; W. G. Berl, executor. Making activated carbon. 2,441,125, May 11.

- Berl, Walter G., executor: *See*—
Berl, Ernst.
- Berli, Norbert C., et al.: *See*—
Hufferd, George H., and Berli.
- Berlinger, Bernard E., Elkins Park, assignor to Quaker City Gear Works, Inc., Philadelphia, Pa. Continuous shaft brake for fishing reels. 2,454,590, Nov. 23.
- Berman, Harry, Cambridge, Mass., assignor to Reeves Ely Laboratories, Inc., New York, N. Y. Apparatus for determining electrical axis of quartz crystals. 2,445,132, July 13.
- Berman, Henry L., Jamaica, N. Y. Foot medication applicator. 2,451,906, Oct. 19.
- Berman, Samuel, Richmond Hill, assignor to Waugh Equipment Company, New York, N. Y. Locator. 2,437,455, Mar. 9.
- Berman, Samuel, Richmond Hill, assignor to Waugh Equipment Company, New York, N. Y. Variable transformer. 2,450,868, Oct. 12.
- Bernabé, Cayetano, Buenos Aires, Argentina. Dropper. 2,450,225, Sept. 28.
- Bernard, André, Paris, France. Production of substitute leather. 2,446,806, Aug. 10.
- Bernard, George G.: *See*—
Bond, Donald C., and Bernard.
- Bernard, George G., Evanston, and D. C. Bond, Northbrook, assignors to The Pure Oil Company, Chicago, Ill. Separation of olefins from hydrocarbon mixtures. 2,451,376, Oct. 12.
- Bernard, Julius Z., Freeport, N. Y. Bed frame and detachable grinding roller unit. 2,451,057, Oct. 12.
- Bernard, Walter J., Oakland, Calif. Label feed control. 2,440,458, Apr. 27.
- Bernardi, Dominic J., Bronx County, N. Y., assignor to Interchemical Corporation. Manufacture of amino acids. 2,457,117, Dec. 28.
- Bernas, Robert: *See*—
Yardeny, Michel N., and Bernas.
- Bernath, Egon, New York, N. Y. Raincoat construction. 2,441,746, May 18.
- Bernau, Arthur C., Sioux Falls, S. Dak. Packsack. 2,456,247, Dec. 14.
- Berndt, Arthur, New York, N. Y. Variable speed control. 2,435,122, Jan. 27.
- Berndtson, John O., Short Beach, assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Transmission mechanism. 2,437,314, Mar. 9.
- Bernhard, Richard, assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Riding ring mounting for rotary cylinders. 2,449,198, Sept. 14.
- Bernhardt, Richard P.: *See*—
Adams, Robert E.
- Bernhart, Finn W.: *See*—
Alburn, Harvey E., Charney, and Bernhart.
- Berning, Theodore J., Dayton, and M. P. Hoover, Lewisburg, Ohio. Ball game. 2,439,333, Apr. 6.
- Bernreuter, Herbert A., assignor to Simpson Electric Company, Chicago, Ill. Electrical measuring instrument. 2,456,171, Dec. 14.
- Berns, Mel: *See*—
Satz, Frank, Berns, and Sontag.
- Bernstein, Edward A., Cedarhurst, N. Y. Flashlight holder. 2,437,373, Mar. 9.
- Bernstein, Herbert I., and D. Long, Chicago, Ill., assignors to Quaker Chemical Products Corp., Conshohocken, Pa. Amino acrylates. 2,441,130, May 11.
- Bernstein, Herman, assignee et al.: *See*—
Warner, Samuel W.
- Bernstein, Irving: *See*—
Resnikoff, Abraham, and Bernstein.
- Bernstein, Jacob, Omaha, Nebr. Hose rack. 2,434,140, Jan. 6.
- Bernstein, Seymour: *See*—
Dorfman, Louis, and Bernstein.
- Bernstein, Seymour, Pearl River, and L. Dorfman, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Hydrogenolysis of steroid thioacetals. 2,440,660, Apr. 27.
- Bernstein, Seymour, Pearl River, and L. Dorfman, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Dialkyl thioacetals of cholestanone and method. 2,453,566, Nov. 9.
- Beronius, Harry V., assignor to Welding Machines Manufacturing Company, Detroit, Mich. Welding gun. 2,456,106, Dec. 14.
- Berry, Clifton V., New York, N. Y. Cooperative social and business card display. 2,437,415, Mar. 9.
- Berry, Clifton V., New Haven, Conn. Clothes washing implement. 2,444,491, July 6.
- Berry, Cyril E., assignor to Southern Engineering Supplies (Pty.) Ltd., Johannesburg, Transvaal, Union of South Africa. Circuit-breaking switch. 2,443,338, June 15.
- Berry, François J., Lille, France. Gyrotory screen. 2,456,248, Dec. 14.
- Berry, Frank, Corinth, Miss. Rotary internal-combustion engine of the rotary abutment type. 2,447,608, Aug. 24.
- Berry, Frank, Corinth, Miss. Multistage rotary fluid power device of the rotary abutment type. 2,447,929, Aug. 24.
- Berry, Harry: *See*—
McGinnis, Albert S., and Berry.
- Berry, John W.: *See*—
Kidder, Ray E., and Berry.
- Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining dispersions of polytetrafluoroethylene-ethylene copolymers. 2,448,952, Sept. 7.
- Berry, Mitchell M.: *See*—
Lidral, John P., and Berry.
- Berry, Philip E., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Mounting for vibratory bodies. 2,457,340, Dec. 28.
- Berry, Russell G., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Pump discharge fitting. 2,438,311, Mar. 23.
- Berry, Stephen S.: *See*—
Beckett, Joseph A., and Berry.
- Berry, Thomas H., assignor to Green & Berry, Inc., Modesto, Calif. Cable spooling device for well drilling rigs. 2,453,184, Nov. 9.
- Berry, Walter R., assignor to Jonas Woodhead & Sons Limited, Leeds, England. Leaf spring. 2,450,869, Oct. 12.
- Berry, William E., and M. M. Wilson, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y. Finishing wood surfaces with resin coatings. 2,441,953, May 25.
- Berry, William S., Buffalo, N. Y. Diaper washer. 2,456,364, Dec. 14.
- Berstell, Leo, Waterbury, Conn. Watch bezel. 2,453,616, Nov. 9.
- Berstrom, Eric V.: *See*—
Payne, John W., Valas, Atwood, and Bergstrom.
- Bersudsky, Sidney, Sydney, Nova Scotia, Canada. Adjustable sock stretcher. 2,453,183, Nov. 9.
- Bert, Léonce, and M. Procoffeff, Paris, assignors to Societe Anonyme dite: Societe D'Innovations Chimiques dite: Sinnova ou Sadie, Meaux-Beauval, France. Preparation of acid alkyl sulphates. 2,441,865, May 18.
- Bertalotto, Marion F., Monett, Mo. Combined billfold and card retainer. 2,452,096, Oct. 26.
- Bertea, Alex, Altadena, Calif. Electric motor. 2,453,359, Nov. 9.
- Bertea, Alex, Pasadena, Calif. Check valve. 2,447,729, Aug. 24.
- Bertea, Alex, Pasadena, Calif. Electric motor. 2,453,358, Nov. 9.
- Bertea, Alex, Pasadena, Calif. Wobble plate pump. 2,457,339, Dec. 28.
- Berthelson, Louis E.: *See*—
Sprague, Robert B., and Berthelson.
- Berthier, Jules H., Chamallieres, C. Montriant, and J. A. Colin, Suresnes, assignors to Comptoir de Materiel Textile, Société & Responsabilité Limitée, Paris, France. Making cabled yarns or cabled thread and means for carrying out the said method. 2,434,384, Jan. 13.
- Bertine, Gladys L., administratrix: *See*—
Schultz, Mortimer A., and Bertine.
- Bertine, Robert E.: *See*—
Schultz, Mortimer A., and Bertine.
- Bertram, Frederick A., Los Angeles, Calif. Fastener. 2,443,372, June 15.
- Bertram, William A., Chicago, Ill. Bottle holder and carrier. 2,442,636, June 1.
- Bertram, William A., Chicago, Ill. Bottle holder and carrier. 2,457,027, Dec. 21.
- Berwick, John D., Alton, Ill., assignor to Olin Industries, Inc. Copper base alloys. 2,445,868, July 27.
- Beshgetoor, Ray V., Merchantville, N. J., assignor to Radio Corporation of America. Making matrices for fresnel-type lenses. 2,441,747, May 18.
- Besore, Jay M., Chevy Chase, assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Filter. 2,454,030, Nov. 16.
- Bessler, Edward T., and J. A. Orchoff, Milwaukee, Wis. Flashlight for boxes. 2,436,088, Feb. 17.
- Best, Albert H.: *See*—
Bain, Joseph P., and Best.
- Best, Albert L., Darien, Conn. Making inflatable articles. 2,444,150, June 29.
- Best, Albert L., Darien, Conn. Diaper. 2,444,973, July 13.
- Best, Chris E.: *See*—
Radcliffe, Milton R., and Best.
- Best, Clarence S., assignor to National Sewing Machine Company, Belvidere, Ill. Sewing machine bobbin winder. 2,449,835, Sept. 21.
- Best, David M.: *See*—
Claypool, Robbins M., and Best.
- Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M., and Rich.
- Best, Frank E., Indianapolis, Ind. Key bit. 2,440,428, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Key. 2,440,429, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Lock-throw mechanism. 2,440,430, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Lock tumbler. 2,440,431, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Lock core. 2,440,432, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Unpickable lock. 2,440,433, Apr. 27.

- Best, Frank E., Indianapolis, Ind. System of locks. 2,440,434, Apr. 27.
- Best, Frank E., Indianapolis, Ind. Proximity and direction indicator. 2,457,199, Dec. 28.
- Beste, Harold E., East Rutherford, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Controlled blocking tube oscillator. 2,445,933, July 27.
- Beste, Harold E., East Rutherford, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Process and apparatus for monitoring synchronizing generators. 2,448,762, Sept. 7.
- Bestland, Leonard A., Minneapolis, Minn. Shoe protector. 2,436,187, Feb. 17.
- Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,450,228, Sept. 28.
- Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,450,227, Sept. 28.
- Bethlehem Steel Company, assignee: *See*—
Davidson, Harvey E.
Jameson, William H., and Durkee.
Poole, William D.
Snadecki, Clarence W., and Richards.
Wilson, Tom.
Zollinger, Walter H.
- Bettendorf Company, The, assignee: *See*—
Kottmann, Arthur A., and Rohlfing.
- Better-Bilt Door Company, assignee: *See*—
Kaiser, Frederick.
- Better Health, Inc., assignee: *See*—
Eckard, Harry L., and Kennedy.
- Betteridge, Walter and E. R. Gadd, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Bearing alloy. 2,451,907, Oct. 19.
- Better Packages Incorporated, assignee: *See*—
Cullin, Jasper F.
Fitch, Harold L.
Krueger, Theodore H.
Sharpe, Everett E.
- Bettler, Philip, Boston, and H. D. Doolittle, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Line pulse modulator for multichannel transmitters. 2,449,443, Sept. 14.
- Betts, Gilbert A.: *See*—
De Boer, Willis, Betts, and Polidor.
- Betts, James A., Easton, Pa. Suction apparatus. 2,442,282, May 25.
- Betts, John T., Los Angeles, Calif. Workholding attachment for drill presses. 2,445,103, July 13.
- Betts, Maseppa D.: *See*—
Thomas, Ralph B., and Betts.
- Betts, Maseppa D., Rockport, assignor to Sylvania Electric Products Inc., Salem, Mass. Adapter for electric lamps. 2,444,278, June 29.
- Betz, Albert, Hamilton, Ohio. Coupling for shafts. 2,453,964, Nov. 16.
- Beusch, Willi, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Remote indicating plant operating on the impulse compensation method. 2,451,606, Oct. 19.
- Bevan, John G., assignor to Guggenheim Brothers, New York, N. Y. Sewage treating apparatus comprising a receptacle having a rotatable support partially submerged in liquid therein and having a matrix of oxidizing bacteria thereon. 2,433,884, Jan. 6.
- Bevan, Leslie H.: *See*—
Fletcher, Roy A., and Bevan.
- Beverly, Nelson E., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Artificial transmission line. 2,440,652, Apr. 27.
- Beverton, Raymond J. H.: *See*—
Collings, Norman H., and Beverton.
- Bevilacqua, Edward M.: *See*—
Williams, John W., and Bevilacqua.
- Bevins, James E., Hackensack, assignor to Bendix Aviation Corporation, Bendix, N. J. Rate of turn indicator. 2,444,625, July 6.
- Beward, Chalmers L., assignor to The General Tire & Rubber Company, Akron, Ohio. Making vehicle tires. 2,437,873, Mar. 16.
- Bewley, Adele L., Buffalo, N. Y. Magnetic reflective toy. 2,453,965, Nov. 16.
- Beyer, Charles M., Flemington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Blanking apparatus. 2,437,994, Mar. 16.
- Beyer, Henry J., assignor to Ritter Company, Inc., Rochester, N. Y. Sanitary body rest for chairs. 2,445,869, July 27.
- Beyerle, Robert C., Granger, Ind. Coupling. 2,446,406, Aug. 3.
- Beyerstedt, Ralph L., assignor to The Frank G. Hough Co., Libertyville, Ill. Tractor shovel. 2,444,692, July 6.
- Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Cellulose compound wrinkle composition. 2,456,670, Dec. 21.
- Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible material with wrinkle-textured coating. 2,456,671, Dec. 21.
- Beyvl, Joseph M.: *See*—
Barnett, Charles A., and Beyvl.
- Bezenah, William H.: *See*—
Amos, James L., Schwegler, and Bezenah.
- Bezzerides, Paul A., Orosi, Calif. Hot cap setting machine. 2,452,287, Oct. 26.
- Biagi, Leon J., Rumford, R. I., assignor to Swank, Inc. Money clip. 2,447,996, Aug. 24.
- Biagi, Leon J., Rumford, R. I., assignor to Swank, Inc. Cravat holder. 2,457,341, Dec. 28.
- Bialek, John S., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Practice loading machine. 2,441,218, May 11.
- Bias, Frank J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Oscillograph apparatus. 2,449,801, Sept. 21.
- Bias, Frank J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Electronic sawtooth wave generator. 2,457,522, Dec. 28.
- Biazzi, Mario, Brig, Switzerland. Separation of liquid emulsions. 2,438,244, Mar. 23.
- Bibb, John T., San Luis Rey, Calif. Draft operated angling mechanism for disk harrows. 2,450,574, Oct. 5.
- Bible, Milbert D., Mosheim, Tenn. Portable play pen. 2,451,431, Oct. 12.
- Bible, Paul, Hollis, Okla. Safety coupling pin for trailer hitchers. 2,454,856, Nov. 30.
- Bick Corporation, assignee: *See*—
Wright, Roland T.
- Bickel, Bruce T., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding device. 2,451,467, Oct. 19.
- Bickell, William A., Vancouver, British Columbia, Canada. Loading sling. 2,440,712, May 4.
- Bickle, Harry M., Heston, England, assignor to Fram Corporation, East Providence, R. I. Dip stick gauge. 2,443,294, June 15.
- Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Antidetoning device. 2,299,4, Apr. 20.
- Bidwell, George L., Riegelsville, Pa., assignor to Riegel Paper Corporation, New York, N. Y. Apparatus for producing variegated fiber lengths in the manufacture of paper. 2,456,249, Dec. 14.
- Bidwell, Homer T.: *See*—
Wedge, Arthur F., and Bidwell.
- Bidwell, Joseph B., Philadelphia, Pa., and A. F. Underwood, Grosse Pointe, assignors to General Motors Corporation, Detroit, Mich. Bearing testing machine. 2,439,035, Apr. 6.
- Bieber, Otto, New York, N. Y. Apparatus for desiccation. 2,451,316, Oct. 12.
- Bieberich, Paul, Fort Wayne, Ind. Lapping machine for wire drawing die compacts. 2,441,003, May 4.
- Bieberich, Paul, Fort Wayne, Ind. Machine for lapping wire drawing dies. 2,441,004, May 4.
- Bieberich, Paul, Fort Wayne, Ind. Wire-drawing die lapping machine. 2,450,077, Sept. 28.
- Biederman, Joseph B., Cincinnati, Ohio. Inhaler. 2,436,877, Mar. 2.
- Biederman, Joseph B., Cincinnati, Ohio. Inhaler. 2,436,878, Mar. 2.
- Biedermann, Robert, assignor to J. R. Geigy A.-G., Basel, Switzerland. Phenoxyphenyl propyl amines. 2,450,497, Oct. 5.
- Biefeld, Lawrence P.: *See*—
White, Erven, Steinman, and Biefeld.
- Biehl, John H., Westmont, N. J. Chance spinner device. 2,449,762, Sept. 21.
- Bielak, Frank A.: *See*—
Blumensadt, Svend G., and Bielak.
- Bieling, Carl A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 2,438,893, Apr. 6.
- Biemesderfer, George K., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Surface covered structure and surface covering therefor. 2,457,299, Dec. 28.
- Bienfait, Henri, and P. C. van der Willigen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coated welding rod. 2,451,655, Oct. 19.
- Bier, Edmund, Geneva, Switzerland. Heelpiece for boots and shoes. 2,446,627, Aug. 10.
- Bierer, John M., Waban, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Manufacture of thermoplastic materials. 2,434,541, Jan. 13.
- Bierly, Nevin R.: *See*—
Jones, Thomas R., and Bierly.
- Bierman, Howard R., United States Navy. Oxygen mask. 2,444,417, July 6.
- Biermann, David, Cook County, Ill. Dispensing nozzle with automatic cutoff. 2,456,044, Dec. 14.
- Bierwirth, Rudolph A., Kingston, N. J., assignor to Radio Corporation of America. Apparatus for simultaneously induction heating a plurality of elements. 2,442,968, June 8.
- Bierwirth, Rudolph A., Princeton, N. J., assignor to Radio Corporation of America. Handling bottles, etc. 2,443,886, June 22.
- Biewen, John W.: *See*—
Stewart, Raymond R., and Biewen.
- Bigelow, Charles A., Houston, Tex. Emergency aircraft exit for transport aircraft. 2,455,157, Nov. 30.
- Bigelow-Garvey Lumber Co., assignee: *See*—
Johnson, Simon J.
- Bigelow-Liptak Corporation, assignee: *See*—
Werner, Nels E.

- Biggle, Laurence C., Altadena, assignor to General Controls Co., Glendale, Calif. Electromagnetic device with armature. 2,440,888, May 4.
- Biggs, Burnard S., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Composition comprising an acyl peroxide cured polyester and an alkaline carbonate. 2,448,572, Sept. 7.
- Biggs, James D., Oronogo, Mo., assignor to The Military Chemical Works, Inc. Formation of concentrated solutions of ammonium salts. 2,434,899, Jan. 27.
- Biggs, John L., Chicago, Ill. Pusher conveyor unit. 2,435,768, Feb. 10.
- Biggs, John L., assignor to Gits Bros. Mfg. Co., Chicago, Ill. High-speed oil seal. 2,447,930, Aug. 24.
- Bigley, William J., Jr., New York, N. Y. Tank track. 2,435,194, Feb. 3.
- Bigwood, Joshua, & Son Limited, assignee: *See*—Pope, Alfred.
- Bikoff, Jonas, Brooklyn, N. Y. Foldable bracelet catch. 2,457,200, Dec. 28.
- Bilhuber, E., Inc., assignee: *See*—Givens, Horace T. F., and Herbst.
- Bilhuber, Paul H., Douglas Manor, N. Y. Fluid-operated apparatus for producing molded articles. 2,435,866, Feb. 10.
- Bilhuber, Paul H., Douglas Manor, assignor to Steinway & Sons, New York, N. Y. Apparatus for edge-gluing strip elements. 2,453,185, Nov. 9.
- Billen, Geraldine N., assignee: *See*—Swern, Daniel, and Billen.
- Billar, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Suspension support for electric lighting fixtures. 2,446,736, Aug. 10.
- Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Torque measuring wrench. 2,447,109, Aug. 17.
- Billeter, Henry R., Highland Park, Ill. Drill and drill jig bushing carrier attachment. 2,454,372, Nov. 23.
- Billetter, Halton A., Youngstown, Ohio. Downward stroke air evacuating jar sealing apparatus. 2,436,849, Mar. 2.
- Billings, Edward E., Los Angeles, Calif. Trap. 2,446,687, Aug. 10.
- Billings, William A.: *See*—Ashford, James L., and Billings.
- Billingsley, Alva, Lamesa, Tex. Laminated insole for shoes. 2,435,337, Feb. 3.
- Billins, Martin, Brooklyn, and R. Fischer, New York, N. Y. Discardable and deodorizing garment shield. 2,434,830, Jan. 20.
- Billman, John H., Bloomington, Ind. Preparing α -amino acids and N-substituted α -amino acids. 2,433,979, Jan. 6.
- Billman, Walter E., Philadelphia, Pa. Clamping holder for screws, bolts, and the like. 2,438,989, Apr. 6.
- Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Handling apparatus. 2,455,650, Dec. 7.
- Bilodeau, Wilfred J., Windsor, Mass., assignor to General Electric Company. Electric winding. 2,436,188, Feb. 17.
- Bilofsky, Maxwell M., assignee: *See*—Babb, Maynard A., and Hayes.
- Warsher, Adolph.
- Bilofsky, Maxwell M., Newark, N. J. Combination illuminating and sterilizing lamp. 2,434,980, Jan. 27.
- Bills, Lela, Dallas, Tex. Neck and ear protector. 2,446,122, July 27.
- Biltz, Francis J., Eatontown, N. J. Voice operated anti-singing repeater. 2,455,914, Dec. 14.
- Binal, Walter R.: *See*—Williams, Joseph S., and Binal.
- Binash, Albert H., Oak Park, W. A. Tull, Midlothian, and R. T. Gautney, Chicago, Ill. Chiropractic machine. 2,451,607, Oct. 19.
- Binda, Frederick J., assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing polyvinyl sheet containing polyvinyl compound-boric acid complex. 2,445,555, July 20.
- Binda, Frederick J., assignor to Polaroid Corporation, Cambridge, Mass. Hot-water treatment of vinyl resin light-polarizing sheet. 2,453,186, Nov. 9.
- Bindler, Jakob, assignor to J. R. Gelzy A. G., Basel, Switzerland. High molecular guanamines and their manufacture. 2,451,432, Oct. 12.
- Binenkorb, Marion C., Middletown, N. Y. Convertible studio bed and couch. 2,436,546, Feb. 24.
- Bingley, Frank J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Adjusting means for transmission lines. 2,437,067, Mar. 2.
- Bingley, Frank J., Chestnut Hill, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Drive mechanism for the intermittent movement in a television motion-picture projector. 2,447,839, Aug. 24.
- Bink, Arthur R., Westfield, N. J. Telescoping dispensing nozzle with fluid pressure-operated safety valve. 2,437,589, Mar. 9.
- Binkley, Stephen B.: *See*—Bird, Orson D., and Binkley.
- Dolsy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
- Binneweg, Abraham, Jr., Oakland, Calif. Radio tube insulation. 2,440,889, May 4.
- Binneweg, Abraham, Jr., Oakland, Calif. Twin-cooled radio tube. 2,445,259, July 13.
- Binzel, Otto, Chicago, Ill. Hand-operated rotary fruit juice extractor. 2,443,129, June 8.
- Biot, Maurice A., Pasadena, and T. H. Wiancko, Altadena, Calif. Flutter predicting apparatus. 2,448,698, Sept. 7.
- Biquard, Pierre, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Supersonic measuring apparatus. 2,447,485, Aug. 24.
- Birch, Catherine R., executrix: *See*—Birch, John W.
- Birch, John W., Washington, D. C.; C. R. Birch, executrix of said J. W. Birch, deceased. Power-driven conveyor attachment for dump trucks. 2,451,656, Oct. 19.
- Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Steadying means for catenary trolley systems. 2,436,089, Feb. 17.
- Birch, Norman A., Mahwah, N. J. Heavy duty electrode holder. 2,443,592, June 22.
- Bircher, Clifford M., assignor to The Maico Company, Incorporated, Minneapolis, Minn. Dry cell battery with terminal cap. 2,445,556, July 20.
- Birchfield, Roy R., Shreveport, La. Master cylinder for hydraulic brakes. 2,434,063, Jan. 6.
- Bird, Byron M., Columbus, Ohio, assignor to The Jeffrey Company. Submerged reciprocating screen. 2,452,982, Nov. 2.
- Bird, Len O., assignee: *See*—Brimhall, Kirk L.
- Bird, Orson D., and S. B. Binkley, assignors to Parke, Davis & Company, Detroit, Mich. Obtaining an anti-anemia vitamin product. 2,450,710, Oct. 5.
- Bird, Stanley P., Varona, assignor to Breeze Corporation, Inc., Newark, N. J. Quick disconnect joint. 2,457,523, Dec. 28.
- Birdsall, Robert E., Detroit, Mich. Combined hatch cover lock and headrest. 2,436,374, Feb. 24.
- Birdsall, Robert E., Detroit, Mich. Assignor of twenty-four percent to G. R. Hutton, Williams Bay, and one-eighth to J. A. Moran, Delavan, Wis. Wall construction. 2,438,428, Mar. 23.
- Birdsell, Harry R., Cleveland, Ohio. Necktie securing device. 2,449,539, Sept. 21.
- Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Desiccating food products. 2,452,983, Nov. 2.
- Birdwell, Benjamin F., assignor to Porcelain Metals Corporation, Louisville, Ky. Drain connector for shower bath receptors. 2,437,068, Mar. 2.
- Birge, Nathaniel B., Sherman, Tex. Suspension switch. 2,443,441, June 15.
- Birkby, Harold, assignor to Standard Telephones and Cables Limited, London, England. Joint for coaxial conductor electric cables. 2,442,337, June 1.
- Birl, Joseph J., Philadelphia, Pa. Bone. 2,436,283, Feb. 17.
- Birlec Limited, assignee: *See*—Robiette, Alfred G. E., and Hancock.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Turbine bearing. 2,440,890, May 4.
- Birmann, Rudolph, Newton, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Exhaust gas and hot air turbine system. 2,443,717, June 22.
- Biro, Laszlo J., Buenos Aires, Argentina, assignor, by mesne assignments, to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,435,123, Jan. 27.
- Birr, Rudolph G.: *See*—Steiner, Frank G., and Birr.
- Birr, Rudolph G., Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Stop mechanism and means for mounting. 2,451,191, Oct. 12.
- Birr, Rudolph G., Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Dispensing apparatus for sheet material. 2,457,439, Dec. 28.
- Birsch, Edwin T., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Clutch for spinning buckets. 2,433,593, June 22.
- Birsch, Edwin T., and W. D. Silcox, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del. Series filtration. 2,454,124, Nov. 16.
- Birtman Electric Company, assignee: *See*—French, Edward A.
- Lanter, Clarence W.
- Sparklin, Charles H.
- Bisbing, Galus W.: *See*—Gamble, David L., Cyr, Siller, and Bisbing.
- Bisch, James L., U. S. Army. Mine destroyer. 2,455,354, Dec. 7.
- Bisch, William, Holmdel, N. J., assignor to The Griscom Russell Company, New York, N. Y. Method of making heat exchangers. 2,443,295, June 15.
- Bish, Edwin E., East Detroit, Mich. Clamp bracket. 2,454,857, Nov. 30.
- Bish, Ralph E.: *See*—Prouty, Robert E., Bish, and Adams.
- Bishoffberger, Carl J., and W. E. Edelman, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor and brake construction. 2,445,658, July 20.

- Bishop & Babcock Manufacturing Company, The, assignee: *See—*
 Curtis, Walter A.
 Mayo, Edward L., and Getz.
- Bishop, Harold O., and D. Kirk, Jr., United States Navy. Microwave vacuum tube. 2,449,975, Sept. 28.
- Bishop, Herbert S., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical system for gauging a dimension by the width of a spark gap. 2,454,763, Nov. 30.
- Bishop, Howard B., assignee: *See—*
 Smiley, Lloyd D., and Lansing.
- Bishop, J., & Co., Platinum Works, assignee: *See—*
 Hickey, George M., and Matlack.
- Bishop, John H.: *See—*
 Snyder, George H. S., White, Bishop, and Socolfsky.
- Bishop, John J.: *See—*
 Aldeburgh, Erik H., Emery, Bishop, and Boat.
- Bishop, John W., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Rust-preventive composition. 2,442,581, June 1.
- Bishop, John W., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Oxazoline reaction products. 2,442,582, June 1.
- Bishop, Lewis, Arcadia, Fla. Lawn mower. 2,448,074, Aug. 31.
- Bishop, Richard B.: *See—*
 Denton, William I., and Bishop.
 Marisic, Milton M., Denton, and Bishop.
 Schlesman, Carleton H., Denton, and Bishop.
- Bishop, Willard L. V., Honolulu, Hawaii. Flange forming attachment for rivet guns. 2,442,556, June 1.
- Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Froth flotation of ores employing a water-soluble salt of a cymene sulfonic acid. 2,446,207, Aug. 3.
- Bissell, William T., assignor to Journal Box Servicing Corporation, Indianapolis, Ind. Journal box. 2,445,597, July 20.
- Bisso, Nino, New York, N. Y. Adjustable flexible band. 2,449,273, Sept. 14.
- Bissout, Herbert A., Merchantville, N. J., and W. Y. Borsen, assignors to W. K. Mitchell & Company, Inc., Philadelphia, Pa. Electric resistance and filler metal butt welding. 2,453,061, Nov. 2.
- Biswell, Charles B., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing mercaptans. 2,436,137, Feb. 17.
- Bitler, William F., Haverstraw, T. C. Aschner, Stony Point, and L. Nicholl, Nyack, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Preparing alkyl esters of chloroacetic acid. 2,452,350, Oct. 26.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Transporting and storage crate. 2,438,030, Mar. 16.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Pallet or skid for handling materials. 2,447,556, Aug. 24.
- Bittner, Alvie W.: *See—*
 Carlson, Carl A., and Bittner.
- Bituminous Coal Research, Inc., assignee: *See—*
 Engdahl, Richard B.
- Bitzenburger, Frank C., Los Angeles, Calif. Soldering iron. 2,447,110, Aug. 17.
- Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switching system aided by space-discharge device. 2,441,789, May 18.
- Bixby, Willard F., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for continuously transforming a dispersion of a rubbery material into a sheet. 2,444,626, July 6.
- Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,435,572, Feb. 10.
- Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulation. 2,435,573, Feb. 10.
- Bixer, Edmond P., New York, N. Y. Cloth bolt display rack. 2,450,180, Sept. 28.
- Bjering, Olav: *See—*
 Hohl, John, and Bjering.
- Bjork, Carol F.: *See—*
 Appleton, Robert A., Hickman, and Bjork.
- Bjorklund, Arvid, Minneapolis, Minn. Garbage cutting and flushing device. 2,446,073, July 27.
- Björklund, Gustaf E., Stockholm, Sweden. Dental hand-piece. 2,448,348, Aug. 31.
- Bjorksten, Johan: *See—*
 Fiedler, Stuart O., and Bjorksten.
 Klaber, Joseph H., and Bjorksten.
- Bjorksten Research Laboratories, Inc., assignee: *See—*
 Fiedler, Stuart O., and Bjorksten.
- Blaas, Johanna G., née Westendorp, widow: *See—*
 Blaas, Theeuwus A. H.
- Blaas, Theeuwus A. H., deceased, Nimeguen, by J. G. Blaas, née Westendorp, widow, Epse, Gorsseel, Netherlands, assignor to Naamlooze Vennootschap Kunstzijdespinnerij Nyma, Nimeguen, Netherlands. Spinning viscose artificial silk filaments comprising threads, staple fibers, bands, and the like. 2,451,148, Oct. 12.
- Black, Bruce H., Gary, Ind. Valve reseating tool. 2,455,550, Dec. 7.
- Black, Elam L., assignee, et al.: *See—*
 Black, James E.
- Black, Eric A., Red Bank, N. J. Adjustable support. 2,449,049, Sept. 14.
- Black, Harry L., Moncton, New Brunswick, Canada, assignor to General Railway Signal Company, Rochester, N. Y. Track circuits with battery charging or depolarizing means. 2,448,349, Aug. 31.
- Black, James B., and W. F. Shurts, Rockford, Ill., assignors to Twin Disc Clutch Company, Racine, Wis. Aerodynamic brake and hoist combination. 2,448,551, Sept. 7.
- Black, James E., Chicago, assignor to J. E., E. L., W. J., and V. Black, a partnership doing business as Black Systems, Chicago, Ill. Shingle. 2,437,874, Mar. 16.
- Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Production of hydrocarbons from carbon monoxide and hydrogen. 2,435,551, Feb. 3.
- Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Synthetic adsorbent for separating hydrocarbons. 2,442,191, May 25.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Welding apparatus. 2,441,748, May 18.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Antifriction trailer prop. 2,446,517, Aug. 10.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Tailgate for highway vehicles. 2,453,617, Nov. 9.
- Black, Robert, Jr., South Orange, and F. F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sonic translating device. 2,434,900, Jan. 27.
- Black Rock Manufacturing Company, The, assignee: *See—*
 Maquat, Lloyd E.
- Black, Russell A., Los Angeles, Calif. Pipe juncture marking device. 2,436,542, Feb. 24.
- Black Systems, assignee: *See—*
 Black, James E.
- Black, Virginia, assignee, et al.: *See—*
 Black, James E.
- Black, Whitfield, assignee, et al.: *See—*
 Black, James E.
- Black, William A., et al.: *See—*
 Maxson, William L., McLaren, Black, and Fry.
- Black, William C.: *See—*
 Kesler, Carl C., Black, Hicks, and Owen.
- Black, William E., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Separating ingots from their stools. 2,434,733, Jan. 20.
- Blackbourn, Joseph N., Prairie du Chien, Wis. Building block. 2,451,657, Oct. 19.
- Blackburn Aircraft Limited, assignee: *See—*
 Greenwood, George.
- Blackburn, Richard K., East Hartford, assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Piezoelectric temperature measuring and control system. 2,456,811, Dec. 21.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifiers. 2,437,995, Mar. 16.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making selenium rectifiers. 2,447,630, Aug. 24.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,449,444, Sept. 14.
- Blacker, Latham V. S., Fittleworth, Pulborough, England. Recoilless gun. 2,456,812, Dec. 21.
- Blackhawk Mfg. Co., assignee: *See—*
 Traut, William A.
- Blackinton, George W., and J. J. Calhoun, Philadelphia, Pa., assignors, by mesne assignments, to the United States of America. Projectile. 2,441,388, May 11.
- Blackinton, V. H., & Co., assignee: *See—*
 Moehle, Frederick W.
- Blackledge, Lawrence C., Portland, Oreg. Rotary plow. 2,439,557, Apr. 13.
- Blackman, Enoch J., Sherman, Tex. Door holder. 2,448,953, Sept. 7.
- Blackman, Frank G., Bluefield, W. Va. Musilage container. 2,449,763, Sept. 21.
- Blackman, Mac, Easton, Pa., and J. Traube, New York, N. Y.: said Blackman assignor to said Traube. Closed vessel with self-locking means. 2,441,131, May 11.
- Blackman, Smith A., Kirkwood, assignor to Gaylord Container Corporation, St. Louis, Mo. Shipping carton. 2,453,829, Nov. 16.
- Blackmore, Robert B., Casper, Wyo. Reversible scarifier. 2,446,074, July 27.
- Blackstone Manufacturing Co., Inc., assignee: *See—*
 Kline, Donald.
- Blackwell, Preston J., Emerson, N. J., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Carton erecting apparatus. 2,440,840, May 4.
- Blackwood, Albert J.: *See—*
 Sweeney, William J., Cloud, and Blackwood.
- Blackwood, Melville J.: *See—*
 Barnard, Kenneth H., Blasbaugh, and Blackwood.
- Blaettler, Paul X., assignee, et al.: *See—*
 Ferla, John.
- Blahut, Anthony: *See—*
 Baker, Albert L., Markl, and Blahut.

- Blain, Albert, Philadelphia, Pa., assignor to Radio Corporation of America. Radio receiver sequence tuner. 2,453,187, Nov. 9.
- Blair, Alexander, and F. H. Collins, Pittsburgh, Pa., said Collins assignor to said Blair. Bottle dispenser. 2,446,807, Aug. 10.
- Blair, Charles F., Webster City, Iowa. End gate. 2,440,733, May 4.
- Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter. 2,444,328, June 29.
- Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Desalting mineral oils. 2,446,040, July 27.
- Blair, George W., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Preparation of rubber crumbs. 2,446,075, July 27.
- Blair, George W., W. J. Clayton, E. H. Clark, and J. F. Schott, Mishawaka, Ind., and A. W. Keen, Packanack Lake, N. J., assignors to United States Rubber Company, New York, N. Y. Apparatus for making sponge rubber articles. 2,441,235, May 11.
- Blair, Homer E., McCool, Ind. Switch lever stop. 2,449,363, Sept. 14.
- Blair, James H., Prince Bay, Staten Island, assignor to Chayes Dental Instrument Corporation, New York, N. Y. Dental tool attachment. 2,451,192, Oct. 12.
- Blair, James W.: *See*—
Steinhoff, Gordon R., and Blair.
- Blair, Paul H., Chicago, Ill. Power-operated toothbrush. 2,435,421, Feb. 3.
- Blair, William R., Washington, D. C., and A. E. Woodruff, Oak Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Microphone adapted to be actuated by a bone structure of a user. 2,451,317, Oct. 12.
- Blaisdell, Charles O., Oak Park, and T. A. Daniel, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,446,901, Aug. 10.
- Blaisdell, Harold L., Little Rock, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal translating system. 2,444,721, July 6.
- Blaisdell, Harold L., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Tuning indicator system. 2,447,309, Aug. 17.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Lubricating oil composition. 2,438,599, Mar. 30.
- Blake, Harold D., and W. J. Winninghoff, Cleveland Heights, Ohio, assignors to General Electric Company. Method and apparatus for manufacturing fluorescent lamps. 2,449,637, Sept. 21.
- Blake, Ralph K., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic silver halide emulsions. 2,449,836, Sept. 21.
- Blake, Ralph K., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide emulsions sensitized by mixtures of high polyalkylene glycols and low polyhydric alcohols. 2,441,389, May 11.
- Blake, William P., assignor to K & B Manufacturing Co., Fairmont, Okla. Belt driven roller mill with adjustably and yieldably mounted roller. 2,457,632, Dec. 28.
- Blakely, Robert T.: *See*—
Robbins, Joseph J., and Blakely.
- Blakeslee, Clinton A., Middlebury, assignor to The Bristol Company, Waterbury, Conn. Mounting bracket for instrument cases. 2,440,324, Apr. 27.
- Blakey, Harold L., Austwell, Tex., assignor to the United States, as represented by the Secretary of the Interior. Shield for tractors. 2,441,132, May 11.
- Black, Charles E., Altadena, Calif. Cutting means. 2,442,637, June 1.
- Blacklock, Carroll S., Madison, Fla. Screw driver. 2,443,339, June 15.
- Blancha, Felix C.: *See*—
Roberts, Wesley M., Beard, and Blancha.
- Blanchard, André, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Apparatus for producing pressure pulses in boreholes. 2,451,797, Oct. 19.
- Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,454,302, Nov. 23.
- Blanchard, Francis W., Snyder, assignor to Hewlett Rubber Corporation, Buffalo, N. Y. Breakable building form. 2,448,294, Aug. 31.
- Blanchard, Lloyd H., Worcester, Mass. Plastic molding press. 2,446,041, July 27.
- Blanchard, Werner J., and C. S. J. MacNeil, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Propeller mechanism. 2,451,059, Oct. 12.
- Blanchet, Joseph E. A., Mystic, Conn., assignor to Sonoco Products Company, Hartsville, S. C. Core for yarn or thread packages and making the same. Re. 23,046, Oct. 26.
- Bland, Julius: *See*—
Banks, Ephraim, and Bland.
- Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbon oils with finely divided heat resistant non-catalytic material. 2,436,160, Feb. 17.
- Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluidized catalyst regeneration process which includes overhead cooling. 2,454,373, Nov. 23.
- Blando, Thomas R., Utica, N. Y. Bowling score indicator. 2,452,288, Oct. 26.
- Blaney, Aubrey Middleton, Barkingside, Ilford, England. Collapsible perambulator or push chair. 2,447,557, Aug. 24.
- Blank, George W., Philadelphia, Pa. Shield for the bottom edges of trouser legs. 2,435,492, Feb. 3.
- Blankart, André, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Process for isolating vanillin. 2,449,364, Sept. 14.
- Blankenbuehler, John H.: *See*—
Croco, Charles P., and Blankenbuehler.
- B'ann, William A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Purification of organic nitriles. 2,444,589, July 6.
- B'ann, William A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Activation of anion exchangers in sugar purification. 2,451,272, Oct. 12.
- Blanton, Ray E., Tulsa, Okla. Vehicle wheel mounting. 2,455,216, Nov. 30.
- Blasi, Frank A., Newark, N. J. Novel spectacle frame. 2,442,483, June 1.
- Blasier, Herbert E., South Pasadena, Calif. Grinding apparatus. 2,445,557, July 20.
- Blaske, Edward C., Wellsville, N. Y. Holder for sheet material. 2,452,426, Oct. 26.
- Blaski, John F., Chicago, Ill. Roof construction. 2,436,543, Feb. 24.
- Blau, Arthur H., assignor to Sterling Motor Truck Company, Inc., Milwaukee, Wis. Wheel brake adjusting mechanism. 2,452,717, Nov. 2.
- Blau, Marietta, assignor to Canadian Radium and Uranium Corporation, New York, N. Y. Method and apparatus for detecting changes in dimensions. 2,451,908, Oct. 19.
- Blaw-Knox Company, assignee: *See*—
Joseph, Lawrence E.
Kalmeyer, Walter J.
Shields, James R.
Smith, Allen S.
- Blaydes, Frederick T., Canton, Ill., assignor to International Harvester Company. Tractor attaching structure for implements. 2,452,829, Nov. 2.
- Blazey, Lawrence E., Bay Village, Ohio, assignor, by mesne assignments, to Office Furniture & Fixtures, Inc., Washington, D. C. Caster unit. 2,450,228, Sept. 28.
- Blazier, Charles R., Pittsburgh, Pa., and D. A. S. Hale, Verona, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode structure for electron discharge devices. 2,448,573, Sept. 7.
- Bleiweis, Jerome L.: *See*—
Fusco, Anthony J., and Bleiweis.
- Blessing, William H., Meriden, Conn., assignor to General Motors Corporation, Detroit, Mich. Gauging apparatus for controlling a grinding operation. 2,447,558, Aug. 24.
- Bletcher, James H., assignee et al.: *See*—
Bucknell, Ernest H., and Bletcher.
- Bletcher, Pearl W., assignee et al.: *See*—
Bucknell, Ernest H., and Bletcher.
- Bletcher, Ralph E.: *See*—
Bucknell, Ernest H., and Bletcher.
- Blettner, Harry E.: *See*—
Shaw, Julian C., and Blettner.
- Blewett, John P., Scotia, N. Y., assignor to General Electric Company. Magnetron. 2,444,242, June 29.
- Bley, Fred M., Glenview, Ill. Grinding wheel dressing tool. 2,442,453, June 1.
- Bley, Fred M., Glenview, Ill. Cutoff wheel. 2,454,125, Nov. 16.
- Blickman, S., Inc., assignee: *See*—
Clachko, Josiah S.
- Bliss, Albert: *See*—
Bliss, Elliot and A.
- Bliss, E. W., Company, assignee: *See*—
Cannon, Earl.
Crane, Edward V., and Kuhn.
Rode, Friedrich J., and Hatch.
- Bliss, Elliot and A., Providence, R. I. Adjustable flexible strap. 2,444,028, June 29.
- Bliss, Harding, Hamden, Conn., and W. C. Sussky, Little Rock, Ark., assignors to Dictaphone Corporation, New York, N. Y. Hydrogenation of tall oil. 2,451,377, Oct. 12.
- Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter means for coin chutes. 2,440,191, Apr. 20.
- Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Indicating counter. 2,443,064, June 8.
- Bliss, Lester E., assignor to Eastman Kodak Company, Rochester, N. Y. Safelight filter. 2,450,746, Oct. 5.
- Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Scanning receiving system. 2,442,583, June 1.
- Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Scanning receiver for detecting signals of unknown frequency. 2,444,151, June 29.
- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Dually frequency modulated altimeter. 2,436,627, Feb. 24.

- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Balanced amplifier. 2,438,960, Apr. 6.
- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Radio bomb release system with warning period. 2,441,657, May 18.
- Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Transmitter for distance determining system. 2,446,520, Aug. 10.
- Bloch, Godfrey, incorporated, assignee: *See—*
Moore, David P.
- Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Synthetic drying oils. 2,440,459, Apr. 27.
- Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of tetrabasic acids. 2,450,627, Oct. 5.
- Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Synthetic resins and preparation thereof by reacting an alkyl benzene, a phenolic compound, and a dihaloalkane. 2,453,298, Nov. 9.
- Bloch, Herman S., Chicago, and R. E. Schaad, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,456,672, Dec. 21.
- Blocher, Ora G., assignor to Bendix Aviation Corporation, Detroit, Mich. Self-locking lever. 2,440,630, Apr. 27.
- Block, Abraham, assignee: *See—*
Lowe, Martin.
- Block Drug Company, Inc., assignee: *See—*
Quigley, John J., and Ricklefs.
- Blocker, William B.: *See—*
Anthony, David S., and Blocker.
- Blodgett, Edward D., Haddonfield, N. J., and D. S. Bond, Philadelphia, Pa., assignors to Radio Corporation of America. Direction finder. 2,441,658, May 18.
- Blodgett, Edward D., Haddonfield, N. J., assignor to Radio Corporation of America. Direction finder. 2,443,718, June 22.
- Bloemers, Albert C., Holland, Mich. Milking machine. 2,445,904, July 27.
- Bloemers, Gradus F., Utrecht, Netherlands. System for transferring package freight. 2,447,559, Aug. 24.
- Blohm, Clyde L., Los Angeles, F. C. Riesenfeld, Hollywood, and H. D. Frazier, Alhambra, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Removal of acidic constituents from gases. 2,445,468, July 20.
- Blohm, Herman A., Washington, D. C. Ophthalmologist's tool. 2,450,229, Sept. 28.
- Blom, Carl J., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Submersible motor structure. 2,446,521, Aug. 10.
- Blom, John P.: *See—*
Campbell, Allan J., and Blom.
- Blom, Øyvind, Brooklyn, N. Y. Advance and retard injection mechanism for Diesel engines. 2,452,984, Nov. 2.
- Bloomberg, Knut H., Appelviken, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Pointer-controlled, periodic circuit breaker. 2,435,027, Jan. 27.
- Blome, Walter A.: *See—*
Gardener, Harry J., and Blome.
- Blood, Albert, United States Army, and A. P. Glenn, Hanworth, assignors to Sperry Gyroscope Company, Ltd., Brentford, England. Gun sight training device. 2,442,748, June 8.
- Bloom, Dennis F., Jr., West Sacramento, Calif. Rake actuating mechanism. 2,436,245, Feb. 17.
- Bloom, Oscar T., assignor to Industrial Patents Corporation, Chicago, Ill. Surface cleaning machine. 2,439,334, Apr. 6.
- Bloom, Sven F., Rutland, Mass. Precision cannon pinion tightener. 2,451,378, Oct. 12.
- Bloomberg, Daniel J., Sherman Oaks, and W. O. Watson, North Hollywood, Calif., assignors to Radio Corporation of America. Motor control switching system and device therefor. 2,445,820, July 27.
- Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Double rotation turbodrives. 2,438,357, Mar. 23.
- Bloomberg, David J., Newton, Mass., assignor to General Electric Company. High-temperature elastic fluid turbine. 2,440,069, Apr. 20.
- Bloomberg, William H., West Medford, Mass. Free-opening, nonclosing snap lock device. 2,453,299, Nov. 9.
- Bloomfield, John J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Clutch mechanism. 2,448,763, Sept. 7.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Lock nut. 2,439,415, Apr. 13.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. Earl Hovey, Kansas City, Mo., trustee. Bottle closure. 2,454,126, Nov. 16.
- Bloser, Dwight W., West Englewood, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Synchronous repeater unit. 2,438,799, Mar. 30.
- Blossom Products Corporation, assignee: *See—*
Smicker, Emma A.
Wyтовich, Stanley A.
- Blout, Elkan R., assignor to Polaroid Corporation, Cambridge, Mass. Birefringent solid film of evaporated and deposited isophthalic acid. 2,447,792, Aug. 24.
- Blout, Elkan R., Cambridge, and R. M. Gofstein, Haverhill, assignors to Polaroid Corporation, Cambridge, Mass. Optical filter and manufacture. 2,440,070, Apr. 20.
- Blout, Elkan R., Cambridge, and W. B. Amon, Jr., Boston, assignors to Polaroid Corporation, Cambridge, Mass. Infrared radiation filter. 2,444,492, July 6.
- Bloxom, Harvey L., and E. M. Shideler, Council Bluffs, Iowa. Multiple holder of quartz oscillator plates. 2,452,351, Oct. 26.
- Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Organic polyhydroxy compounds and derivatives. 2,434,981, Jan. 27.
- Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Corporation of America. Organic polyhydroxy compound. 2,434,982, Jan. 27.
- Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Corporation of America. 4th-tetrahydrobenzaldol. 2,436,416, Feb. 24.
- Bludworth, Joseph E., M. O. Robeson, and H. A. Truby, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Dehydration process. 2,439,416, Apr. 13.
- Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Hexahydrobenzyl ester. 2,441,183, May 11.
- Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Corporation of America. Ethers of 1-(3,4-dihydroxy-cyclohexyl)-1,2-dihydroxybutanone. 2,446,570, Aug. 10.
- Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. Organic hydroxy compound and derivatives thereof. 2,447,050, Aug. 17.
- Bludworth, Joseph E., M. O. Robeson, and H. A. Truby, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Quantitative determination of unsaturated aldehydes. 2,449,581, Sept. 21.
- Bludworth, Joseph E., Corpus Christi, Tex., and D. P. Easter, Washington, D. C., assignors to Celanese Corporation of America. Ethers of 1-methylolcyclohexylcyclohexylcarbinol. 2,450,498, Oct. 5.
- Bludworth, Timothy F., Summit, N. J., assignor to National-Simplex-Bludworth, Inc. Deep and shoal alarm. 2,437,416, Mar. 9.
- Bluemink, Gary G., assignor to The Dumore Company, Racine, Wis. Brush holder. 2,449,764, Sept. 21.
- Blue Ridge Glass Corporation, assignee: *See—*
Lewis, Joseph H.
- Bluestein, Ben A., Schenectady, N. Y., assignor to General Electric Company. Linear silimethylenesiloxane. 2,452,895, Nov. 2.
- Blume, William A., Farmington, and R. E. Spokes, Ann Arbor, Mich., assignors to American Brake Shoe Company, New York, N. Y. Making friction elements and bond therefor. 2,453,188, Nov. 9.
- Blumensadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Attachment for wire elements to frame structures. 2,440,001, Apr. 20.
- Blumensadt, Svend G., Beachwood Village, and F. A. Bielak, Fairview Village, assignors to Universal Wire Spring Company, Cleveland, Ohio. Wire twisting device. 2,450,876, Oct. 12.
- Blumenstein, Max E., Hyattsville, Md. Picture slide feeding mechanism. 2,434,785, Jan. 20.
- Blumenthal, Sol: *See—*
Smith, Cleveland S., Jr., and Bumenthal.
- Blumenthal, Sol, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Mechanical seal for selenium rectifier cells. 2,453,618, Nov. 9.
- Blumlein, Alan D.: *See—*
Cork, Edward C., and A. D. and D. Blumlein.
- Blumlein, Doreen, executrix: *See—*
Cork, Edward C., and A. D. and D. Blumlein.
- Blumstein, Abraham, Forest Hills, N. Y. Decorative chain structure. 2,437,932, Mar. 16.
- Blumstein, Abraham, Forest Hills, N. Y. Strap-end attaching clasp. 2,455,465, Dec. 7.
- Blyholder, Orlando, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Code-call system. 2,442,947, June 8.
- Blythe, James H., Denver, Colo. Cutting torch holder. 2,452,718, Nov. 2.
- Blythen, Roy: *See—*
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.
- Boadle, Ronald D., and I. A. Hood, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, Australia. Deflecting circuit for cathode-ray tubes. 2,445,017, July 13.
- Boal, Harold D., Gardena, Calif. Fishing rod holder. 2,443,762, June 22.
- Board of Trustees of the Leland Stanford Junior University, The, assignee: *See—*
Hansen, William W.
- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof. 2,437,238, Mar. 9.
- Boardman, Harry C., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Floating roof storage tank. 2,439,792, Apr. 20.

- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Spheroidal pressure vessel. 2,457,118, Dec. 28.
- Boaidman, Harry D., assignee, trustee: *See*—Merriman, Henry H.
- Boardman, Hubert, Rochdale, England. Mask with adjustable supporting means for profile projectors. 2,454,127, Nov. 16.
- Boardwalk Enterprises, Inc., assignee: *See*—Krilow, James E.
- Boat, Earl M.: *See*—Eldeborgh, Erik H., Emery, Bishop, and Boat.
- Bobe, Stanley A., Atlanta, Ga., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series generator-fed motor system. 2,451,909, Oct. 19.
- Bober, Walter F., Cleveland, and F. E. Sebring, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Apparatus for forging. 2,449,365, Sept. 14.
- Bobrich Manufacturing Corp., assignee: *See*—Theodore, Henry P.
- Boccafogli, Edward C., assignee: *See*—Ugazio, Walter, and Boccafogli.
- Bocciarelli, Carlo V., Oxford, Pa., assignor to Philco Corporation. Magnetic lens for correcting scanning defects. 2,455,977, Dec. 14.
- Boccheri, John A., Brooklyn, N. Y. Child's bib. 2,436,547, Feb. 24.
- Bocjl Corporation, assignee: *See*—Lang, Joseph C.
- Bock, Ashley P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical discharge tube circuits. 2,451,910, Oct. 19.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,541, Nov. 23.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,542, Nov. 23.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents. 2,454,543, Nov. 23.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric detergents comprising water-soluble salts of the half-esters of dicarboxylic acids and the formaldehyde condensates of hydrocarbon-substituted phenoxy-polyalkoxy alkanols. 2,454,544, Nov. 23.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Hydrocarbon-substituted phenol-formaldehyde condensates modified in the phenolic hydroxyl. 2,454,545, Nov. 23.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Surface-active linear polyesters. 2,454,546, Nov. 23.
- Bock, Louis H., Huntingdon Valley, Pa., and A. L. Houk, San Luis Obispo, Calif., assignors to Rohm & Haas Company, Philadelphia, Pa. Polymeric quaternary ammonium salts. 2,454,547, Nov. 23.
- Bock, Walter, Cologne, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Emulsion copolymerization of vinyl-furane and styrene. 2,442,283, May 25.
- Bockhold, Ralph O., Los Angeles, Calif. Sheet holder. 2,440,891, May 4.
- Bockman, Carl, and Richard Lutlich, East Akron, Ohio. Chuck. 2,447,682, Aug. 24.
- Bockmühl, Max, and G. Ehrhart, Frankfurt-on-the-Main, O. Eisleb, Hofheim in Taunus, and L. Stein, Bad Soden in Taunus, Germany, assignors, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Diaryl nitrogenous heterocyclic alkylene compounds. 2,446,522, Aug. 10.
- Bockus, Robert C.: *See*—Landry, Henry J.
- Bodan, Herman, Milwaukee, Wis. Flush tank drip pan. 2,449,445, Sept. 14.
- Bode, Hendrik W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Averaging mechanism. 2,455,035, Nov. 30.
- Bodell, Mark R., Glen Ellyn, assignor to Club Aluminum Products Company, Chicago, Ill. Handle structure for cooking utensils. 2,442,454, June 1.
- Boden, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing lubrication. 2,452,719, Nov. 2.
- Bodmer, Gilbert E., Indianapolis, Ind. Mop holder with dual tape tensioning structure. 2,452,177, Oct. 26.
- Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Electrical method and apparatus for injecting or propelling increments of fuel or other fluids. 2,436,090, Feb. 17.
- Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Method of and apparatus for treating wells. 2,437,456, Mar. 9.
- Bodine, Albert G., Jr., Burbank, Calif. Method and apparatus for cutting into the surface of an article. 2,445,934, July 27.
- Bodine, Albert G., Jr., Van Nuys, Calif. Method and apparatus for pumping. 2,444,912, July 13.
- Bodkin, Ernest A., Mickleton, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing treatment of inorganic oxide gels against wetting. 2,456,576, Dec. 14.
- Bodkin, Ernest A., Mickleton, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing inorganic oxide gels against wetting. 2,456,577, Dec. 14.
- Bodkin, Ernest A., Pitman, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of stabilizing inorganic oxide gels against wetting. 2,456,578, Dec. 14.
- Bodkin, John A., New York, N. Y. Railway car retarder. 2,452,720, Nov. 2.
- Boeckeler, B. Clark: *See*—Edsall, Lou B., Kilander, Kormendi, and Boeckeler.
- Boeckeler, B. Clark, assignee, et al.: *See*—Boeckeler, Benjamin C.
- Boeckeler, Benjamin C., Grosse Ile, assignor, by mesne assignments, of 9,448/10,570 to Chemprolin Products, Trenton, Mich., and 561/10,570 to L. Kormendi, and 561/10,570 to B. C. Boeckeler. Fermenting method. 2,440,925, May 4.
- Boecking, Ewald, Great Kills, assignor to Manufacturers Machine & Tool Co., Inc., Mount Vernon, N. Y. Film registry means for motion-picture projectors. 2,437,239, Mar. 9.
- Boeddinghaus, Hugo, Greenwich, Conn., assignor to American Felt Company, Boston, Mass. Felting. 2,441,390, May 11.
- Boedeker, Edward R.: *See*—Oblad, Alex G., and Boedeker.
- Boehlow, Robert W.: *See*—Kommer, Fred A., and Boehlow.
- Boehm, Erich, assignor of one-half to Nipa Laboratories, Limited, Cardiff, Wales. Manufacture of materials resistant to or active against microorganisms. 2,451,149, Oct. 12.
- Boehm, Milos E., assignor to Hughes Tool Company, Houston, Tex. Double seal grip tool joint. 2,450,453, Oct. 5.
- Boehmer, Francis D.: *See*—Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
- Boehne, Eugene W.: *See*—Arone, Nicholas F., and Boehne.
- Boehne, Eugene W., Drexel Hill, Pa., assignor to General Electric Company. Arc extinguishing device. 2,436,189, Feb. 17.
- Boeing Aircraft Company, assignee: *See*—Fields, William C., Carpenter, and Finney.
- Boeing Airplane Company, assignee: *See*—Christian, John C. Cooper, James B., and Jepson. Lidlal, John P., and Berry. Orlob, Glenn. Price, Nathan C. Schairer, George S. Steinhoff, Gordon R., and Blair. Stoner, George H. Tatom, Raymond F. Wolfe, Charles M.
- Boeing Airplane Company, Wichita Division, assignee: *See*—Giwosky, Harry L., and Ketelsen.
- Boenau, Arthur H.: *See*—Scplshouse, Wallace E., and Boenau.
- Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Producing radiator tubes. 2,454,624, Nov. 23.
- Boeringer, Barbara S., assignor of one-third to J. D. Akerman, and one-third to I. M. Frisch, Minneapolis, Minn. Combination hat and rainfall collector. 2,443,848, June 22.
- Boerner, Thomas James, Collingswood, and John W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America. High-frequency apparatus. 2,439,682, Apr. 13.
- Boes Company, The W. W., assignee: *See*—Alter, Harry A.
- Boes, W. W., Company, The, assignee: *See*—Boes, Walter W. Miller, Francis B.
- Boes, Walter W., assignor to The W. W. Boes Company, Dayton, Ohio. Film tank. 2,449,199, Sept. 14.
- Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Production of derivatives of 3-substituted 2,4 diketones. 2,438,894, Apr. 6.
- Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Gamma-acetyl pinelic acid and diesters thereof. 2,438,961, Apr. 6.
- Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Lower polymer of glycidyl sorbate and making it. 2,457,300, Dec. 28.
- Boesel, Ralph J.: *See*—Snow, John E., Barth, and Boesel.
- Boettcher, Paul F.: *See*—Connell, William S., Boettcher and Holmen.
- Boettler, Jacob R., Chatham, N. J., and R. Burns, Garden City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for heating dielectric materials. 2,443,594, June 22.

- Bogard, Fred J., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Lubricating device. 2,457,770, Dec. 28.
- Bogardus, Charles E., New Rochelle, N. Y. Windbreaker for parked aircraft. 2,453,403, Nov. 9.
- Bogart, Fred H., South Euclid, assignor to The Warner and Swasey Company, Cleveland, Ohio. Machine tool. 2,440,926, May 4.
- Bogen, John F., San Diego, Calif. Inclinator. 2,436,417, Feb. 24.
- Bogen, Samuel, New York, N. Y. Electrical connection of separable character. 2,449,736, Sept. 21.
- Boggio, Giusto, Chicago, Ill. Power transmission mechanism. 2,436,033, Feb. 17.
- Boggis, Henry P., Shaker Heights, Ohio. Tap driver. 2,449,103, Sept. 14.
- Boggs, Mildred M., and H. L. Fevold, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Dried egg powder. 2,445,299, July 13.
- Bogin, Samuel R., I. Rothstein, and A. Levy, Brooklyn, N. Y. Printing type holder with combined cover and platen. 2,443,783, June 22.
- Bogoslowky, Boris, Jackson Heights, N. Y. Apparatus for making convolute wound tubing from sheet material. 2,440,390, Apr. 27.
- Bogoslowky, Boris, Jackson Heights, N. Y. Apparatus for shaping tubular blanks. 2,440,391, Apr. 27.
- Bogoslowky, Boris, Jackson Heights, N. Y. End closures for tubular containers. 2,444,722, July 6.
- Bogoslowky, Boris, Jackson Heights, N. Y. Apparatus for making convolute wound tubing. 2,442,948, June 8.
- Bogut, Ignatius, South Orange, N. J. Pot suspension device. 2,453,189, Nov. 9.
- Bohannon, William A., Uniondale, N. Y., assignor to Republic Aviation Corporation. Aircraft power plant structure. 2,445,417, July 20.
- Bohannon, William A., Uniondale, N. Y. Electric heating device. 2,448,856, Sept. 7.
- Bohler, Francis M., Hawthorne, Calif. Foot propelled skate. 2,449,871, Sept. 21.
- Bohlman, Walter S., Wilmington, Del., and D. S. Bruce, Lawrence, Kans., assignors, by mesne assignments, to United States of America, as represented by the Secretary of War. Apparatus for making plastic masses. 2,453,404, Nov. 9.
- Bohn, Donald I., Pittsburgh, Pa. Ignition system. 2,450,404, Sept. 28.
- Bohn, Paul E.: See—
Smith, Vernon C., and Bohn.
- Bohnsack, John A., Waynesboro, Va., assignor to Hopeman Bros., Inc., New York, N. Y. Adjustable lock keeper. 2,439,036, Apr. 6.
- Bohr, Marcia C., San Francisco, Calif. Trousers slacks. 2,435,422, Feb. 3.
- Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Wax resin compositions and conductors insulated therewith. 2,443,887, June 22.
- Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Synthetic waxes and preparing the same. 2,443,888, June 22.
- Boige, Jean: See—
Boinet, Firmin, and Boige.
- Boileau, Arthur H., Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Wilmington, Del. Churn support. 2,449,446, Sept. 14.
- Boinet, Firmin, Melle, and J. Boige, La Noblette-Melle, assignors to Les Usines de Melle (Société Anonyme), Saint-Eger-les-Melle, France. Manufacture of yeast. 2,446,737, Aug. 10.
- Boisseau, Alexander C., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker operating mechanism. 2,445,558, July 20.
- Boisseau, Alexander C., and R. E. Bold, Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,436,190, Feb. 17.
- Boisseau, Alexander C., Lansdowne, and B. S. Beall, Upper Darby, Pa., assignors to General Electric Company. Electric circuit breaker. 2,444,765, July 6.
- Boisseau, Alexander C., Lansdowne, B. S. Beall, Upper Darby, E. J. Frank, Springfield, and R. W. Lowery, Aldan, Pa., assignors to General Electric Company. Circuit breaker operating system. 2,450,628, Oct. 5.
- Boisvert, Nobert, assignee: See—
Lemire, Joseph.
- Boiu, Maximilian Ren, Pasadena, Calif., assignor, by mesne assignments, to The Signal Manufacturing Company, Los Angeles, Calif. Sofa bed hinge. 2,447,683, Aug. 24.
- Bojanower, Albert M., Downey, assignor to Western Waxed Paper Company, Oakland, Calif. Heat-sealing the seams of paper bags. 2,453,889, Nov. 16.
- Bokeny, Geza J., assignor to The Brush Development Company, Cleveland, Ohio. Crystal plate and fabricating same. 2,444,590, July 6.
- Bokovoy, Samuel A., Verona, and H. W. N. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal mounting. 2,434,903, Jan. 27.
- Bokum, William F., Jenkintown, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Condenser. 2,452,427, Oct. 26.
- Bold, Ralph E.: See—
Boisseau, Alexander C., and Bold.
Paul, William B., Timmerman, Jr., and Bold.
- Bolduc, Albert, Detroit, Mich. Die removing device. 2,434,983, Jan. 27.
- Bolesky, John D., Attleboro, and L. W. Buell, Rehoboth, assignors to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,434,984, Jan. 27.
- Bolinger, George N., Shelbyville, Ill. Ice-cream scoop. 2,439,125, Apr. 6.
- Bolinger, John C.: See—
Skinner, Emory M., Redfield, and Bolinger.
- Bollaert, Remi, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote control system for cranes. 2,434,636, Jan. 20.
- Bollaert, Remi, Oakland, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Crane control. 2,456,908, Dec. 21.
- Bolling, Oscar S., assignor to Meehan-Johnson Machine Company, Minneapolis, Minn. Veneer edge-gluing machine. 2,436,091, Feb. 17.
- Bolling, Stewart, Cleveland, Ohio. Working rubber. 2,450,575, Oct. 5.
- Bolling, William F., Norton, Va. Combination knife, fork, and spoon. 2,456,858, Dec. 21.
- Bollinger, Loren C., Martinez, assignor to Shell Development Company, San Francisco, Calif. Dispersing a foam-reducing silicon-containing compound. 2,435,124, Jan. 27.
- Bollmann, Carl: See—
Weber, Ernst, Pudelko, Bollmann, and Wermelle.
- Bolser, Clark M., Cedar Falls, Iowa. Repackable adjustable oil filter cartridge. 2,453,405, Nov. 9.
- Bolster, William, Baldwin, N. Y., assignor to The Sperry Corporation. Stabilized gyrocompass. 2,441,556, May 18.
- Bolt, Jay A., Ann Arbor, Mich., and R. W. Moore, assignors to Bendix Aviation Corporation, South Bend, Ind. Auxiliary charge regulating device. 2,447,793, Aug. 24.
- Bolté, Brown: See—
Sidnam, Alan N., Bolte, and Neary.
- Boite, Frank B., Los Angeles, and P. B. Keller, Santa Monica, Calif.; said Boite assignor to said Keller. Dimpling apparatus. 2,441,790, May 18.
- Bolton, Wright, Jr., New Bedford, Mass. Preparation of multiend yarn packages. 2,439,645, Apr. 13.
- Bomberger, David C., Plainfield, C. A. Lovell, Summit, H. G. Och, West Englewood, K. D. Swartzel, Murray Hill, N. J., and B. T. Weber, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Data smoothing network. 2,435,195, Feb. 3.
- Bonard, Claude, administrator: See—
Dreyfus, Henry.
Dreyfus, Henry, and Pool.
Dreyfus, Henry, Rooney, and Shaw.
- Bonat, Harry, assignor to Samuel Bonat & Bro., New York, N. Y. Curling rod. 2,436,092, Feb. 17.
- Bonat, Harry, assignor to Samuel Bonat & Bro., New York, N. Y., a co-partnership. Curling rod. 2,443,340, June 15.
- Bonat, Samuel, & Bro., assignee: See—
Bonat, Harry.
- Bond, Boyce C., Overbrook, Pa. Apparatus for treating fabrics. 2,441,308, May 11.
- Bond, Donald C.: See—
Bernard, George G., and Bond.
- Bond, Donald C., Northbrook, and N. B. Russell, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Removing acidic sulfur compounds from hydrocarbon distillates. 2,447,051, Aug. 17.
- Bond, Donald C., Northbrook, and G. G. Bernard, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Paint remover. 2,447,052, Aug. 17.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Preparation of alkyl halides. 2,453,779, Nov. 16.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Breaking emulsions. 2,457,634, Dec. 28.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Regenerating aqueous alkali solution used to extract weakly acidic sulfur compounds from hydrocarbon fluids. 2,457,635, Dec. 28.
- Bond, Donald S.: See—
Blodgett, Edward D., and Bond.
- Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of zirconia containing catalysts. 2,444,913, July 13.
- Bond, George R., Jr., Paulsboro, N. J., and G. A. Mills, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Cracking of hydrocarbons with a beryllium phosphate catalyst. 2,435,196, Feb. 3.
- Bond, George R., Jr., Paulsboro, N. J., and G. A. Mills, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons with a cerium phosphate catalyst. 2,449,050, Sept. 14.
- Bond, Walter L., Brooklyn, N. Y., and G. W. Willard, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature compensated wave propagation device. 2,434,255, Jan. 13.

- Bondi, Arnold A., New Orleans, La., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Production of greases. 2,445,935, July 27.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. High-frequency electronic device. 2,444,418, July 6.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Magnetron. 2,444,419, July 6.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Ultra high frequency magnetron generator. 2,450,629, Oct. 5.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electric discharge device of the magnetron type. 2,454,031, Nov. 16.
- Bondon, Lewis A., Arlington, N. J. Coaxial transmission line. 2,436,284, Feb. 17.
- Bondon, Lewis A., Arlington, N. J. Insulated electrical conductor and fabricating the same. 2,454,625, Nov. 23.
- Bone, Arthur G.: *See—*
Reilly, Hugh L., Scrimshaw, and Bone.
- Bonekamp, Joseph J., Cincinnati, Ohio. Cake protecting device. 2,452,629, Nov. 2.
- Bonham, Albert W., Jr., Salt Lake City, Utah, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Drive control mechanism for motor vehicles and detent device therefor. 2,436,912, Mar. 2.
- Bonham, Walter R., Palo Alto, Calif. Variable-speed transmission. 2,448,249, Aug. 31.
- Bonin, George E., assignor to Simonds Machine Co., Inc., Southbridge, Mass. Lens grinding machine. 2,453,300, Nov. 9.
- Bonkowski, Teofil L., assignor to Merit Products, Inc., Los Angeles, Calif. Sanding drum. 2,439,962, Apr. 20.
- Bonkowski, Teofil L., assignor to Merit Products, Inc., Los Angeles, Calif. Brush retaining aid in sanding drums. 2,443,413, June 15.
- Bonnell, William S.: *See—*
Weinrich, William W., Holloway, and Bonnell.
- Bonner, Frank E., Pontiac, Mich. Toy submarine. 2,438,031, Mar. 16.
- Bonnet, Louis, Villarsavary, and M. Marty, Neuilly-sur Seine, France. Ceramic mixtures. 2,436,708, Feb. 24.
- Bonnet, Maurice, assignor to Societe La Reliephographique Société pour l'Exploitation des Procédes de Photographie en Relief, Maurice Bonnet, Paris, France. Apparatus for obtaining photographs giving an impression of relief. 2,434,385, Jan. 13.
- Bonney, Homer W. and M., Roseville, Calif. Cement mixer. 2,452,896, Nov. 2.
- Bonney, Mahlon: *See—*
Bonney, Homer W. and M.
- Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Graphitic steel. 2,438,267, Mar. 23.
- Bonwitt, Wilhelm F., Mount Vernon, N. Y., assignor to Brundy Engineering Company, Inc. Aluminum connection parts treated with concentrated nitric acid. 2,437,220, Mar. 2.
- Bocher, Ortis C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic record changing apparatus. 2,452,721, Nov. 2.
- Book, Norman I., assignee: *See—*
Norton, Orlis C.
- Book, Raymond H., Sterling, and L. E. Gilbert, assignors to Reynolds Wire Co., Dixon, Ill. Shuttle latching mechanism. 2,446,688, Aug. 10.
- Bookbinder, Jean, Philadelphia, Pa. Sleeping bag. 2,442,192, May 25.
- Bookman, Esther D., New York, N. Y. Refrigerating and air conditioning apparatus. 2,437,417, Mar. 9.
- Boone, Daniel M., Lumberton, and S. C. Boone, Charlotte, N. C. Tobacco stick. 2,449,837, Sept. 21.
- Boone, Stephen C.: *See—*
Boone, Daniel M. and S. C.
- Boonen, Henri M., assignor of one-half to T. J. Melancon, Houma, La. Solder. 2,450,778, Oct. 5.
- Boor, Francis H., Lafayette, Ind., assignor to Fairfield Manufacturing Company. Bevel gear. 2,445,559, July 20.
- Boosey, Edward W. N., Detroit, Mich. Grease interceptor. 2,440,793, May 4.
- Booth, Arthur E., Los Angeles, Calif. Meter testing device. 2,453,191, Nov. 9.
- Booth, Clarence V., Lakewood, N. J. Expansion stud and keeper element combination. 2,438,533, Mar. 30.
- Booth, Douglas G.: *See—*
Pugh, Cyril A., Rough, and Booth.
- Booth, Douglas G., assignor to The Plessey Company Limited, Ilford, England. Hydraulic pump. 2,440,072, Apr. 20.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Ironing board leg and brace structure. 2,439,769, Apr. 13.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Fabricated top for ironing tables. 2,442,678, June 1.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Ironing board leg and brace structure. 2,445,598, July 20.
- Booth, Frank A., El Segundo, Calif. Motor or pump. 2,436,285, Feb. 17.
- Booth, Fred, Jr., assignor to Duplex Incorporated, Los Angeles, Calif. Resilient sash bearing. 2,450,078, Sept. 28.
- Booth, Harry T., Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio. Oil control valve. 2,435,338, Feb. 3.
- Booth, Harry T., assignor to United Aircraft Products, Inc., Dayton, Ohio. Viscosity measuring instrument. 2,442,032, May 25.
- Booth, Herbert L., Staten Island, N. Y. Hair comb. 2,436,548, Feb. 24.
- Booth, Herbert L., Staten Island, N. Y. Producing tufted plastic combs. 2,457,440, Dec. 28.
- Booth, Jack J., assignor to J. S. Booth, Dallas, Tex. Refrigeration coil. 2,442,719, June 1.
- Booth, Jack J., Dallas, Tex. Drink vending machine. 2,455,551, Dec. 7.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint assembly. 2,451,060, Oct. 12.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Variable ratio steering assembly. 2,451,061, Oct. 12.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Clamp assembly. 2,451,062, Oct. 12.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Self-aligning bearing. 2,452,352, Oct. 26.
- Booth, John G., assignor to The Brown Instrument Company, Philadelphia, Pa. Integrator. 2,444,329, June 29.
- Booth, John S., assignee: *See—*
Booth, Jack J.
- Booth, Morris F., Alden, Mich. Method and apparatus for casting aluminum. 2,454,961, Nov. 30.
- Booth, Robert B., Springdale, and N. Morash, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Clarifier for lubricating coolants by means of froth flotation. 2,436,375, Feb. 24.
- Booth, Robert B., Springdale, and E. C. Herkenhoff, assignors to American Cyanamid Company, Stamford, Conn. Flotation of iron with organic acid and petroleum sulfonate. 2,439,200, Apr. 6.
- Booth, Robert B., Springdale, and J. E. Carpenter, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Concentration of nonmicaceous, water-insoluble alkaline-earth metal salt minerals. 2,442,455, June 1.
- Boothby, Walter M., and A. H. Bulbulian, Rochester, Minn., and W. R. Lovelace, II, Albuquerque, N. Mex. Clinical mask for breathing and rebreathing mixtures of gases. 2,452,722, Nov. 2.
- Boothe, James H.: *See—*
Mowat, John H., and Boothe.
Waller, Coy W., and Boothe.
- Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparation of heterocyclic compounds. 2,444,002, June 22.
- Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing 6-methyl pteridines. 2,454,751, Nov. 23.
- Boothe, James H., Pearl River, assignor, by mesne assignments to American Cyanamid Company, New York, N. Y. Preparing 2-amino-4-hydroxy-6-methylpyrimido 4,5-b pyrazine. 2,457,109, Dec. 28.
- Boothroyd, Wilson P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,454,128, Nov. 16.
- Boots Pure Drug Company Limited, assignee: *See—*
Short, Wallace F. and Oxley.
Short, Wallace F., and Partridge.
- Bopp, Cecil W., Waterloo, Iowa. Hydraulic hose coupling. 2,453,741, Nov. 16.
- Boral, Emil: *See—*
Florjancic, Peter, and Boral.
- Borcherding, Walter H., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,455,915, Dec. 14.
- Borchers, Earl M., assignor to American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Pull for sliding glass panels. 2,447,389, Aug. 17.
- Borchers, Earl M., assignor to American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Catch. 2,451,798, Oct. 19.
- Borden Company, The, assignee: *See—*
Shipstead, Helge.
- Borden, David M.: *See—*
Staley, Allen C., Borden, and Horton.
- Borden, David M., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Control apparatus. 2,455,292, Nov. 30.
- Borders, Bert: *See—*
Marple, Kenneth E., and Borders.
- Bordon Mfg. Co., Inc., assignee: *See—*
Camilleri, Charles.
- Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cabin pressure control means. 2,451,608, Oct. 19.
- Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Hot-wire bridge overspeed controller. 2,456,765, Dec. 21.

- Boren, Dock C., Iowa Park, Tex. Farm implement. 2,441,466, May 11.
- Borg-Erickson Corporation, assignee: *See*—
Juhasz, James G.
- Borg, George W., Corporation, The, assignee: *See*—
McCaslin, James F., and Fink.
- Borg, Gustave A., Naugatuck, Conn. Coupling device. 2,439,199, Apr. 6.
- Borg, Gustave A., Naugatuck, Conn. Sealing device. 2,457,633, Dec. 28.
- Borg, Paul, New York, N. Y. Buffing, polishing, and abrading device. 2,443,023, June 8.
- Borg-Warner Corporation, assignee: *See*—
Armantrout, Kenneth M.
Becker, Sylvan J.
Berges, Donald M.
Bruestle, Carl O.
Campbell, John D., and Roth.
Candler, James N.
Carnagua, Harold E.
Carnagua, Harold E., and Swift.
Dodge, Adiel Y.
Gamble, David E.
Holt, Ray G.
Hubacker, Earl F.
Lauck, John A.
Le May, Braudice B., Jr.
McCulloch, Robert P., and Ryde.
Nutt, Harold.
Nutt, Harold, and Smirl.
Orr, Palmer.
Pasnow, Bud W.
Polomski, John B.
Rockwell, Edward A.
Roth, Jay M.
Roth, Jay M., and Lauck.
Rovick, John D.
Terbeek, Howard G.
Warner, Archibald A.
Wiemer, Howard C.
Zeidler, Reinhold C.
- Borges, Alberto, Rio de Janeiro, Brazil. Joints of hollow beams. 2,455,217, Nov. 30.
- Borghesi, Harold, Union City, N. J. Base for stands. 2,448,413, Aug. 31.
- Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Stabilization of terpene polymers. 2,449,970, Sept. 28.
- Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Process for polymerizing butadiene in aqueous emulsion in the presence of an alkali metal salt of hydroxytetrahydrobutic acid. 2,450,416, Oct. 5.
- Borkland, Gustave W., Chicago, Ill. Apparatus for and forming sheet material. 2,442,387, June 1.
- Borkland, Gustave W., Marion, Ind. Drawing and tempering plastic material. 2,444,420, July 6.
- Borland, John, assignor to Clark Equipment Company, Buchanan, Mich. Floating external contracting brake construction. 2,435,867, Feb. 10.
- Born, Frank G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Tractor trailer brake control. 2,452,033, Oct. 26.
- Born, Leo W., Collingswood, N. J., assignor to Radio Corporation of America. Oscillation generator. 2,438,382, Mar. 23.
- Bornside, Harry B., Providence, R. I. Household incinerator. 2,452,097, Oct. 26.
- Bornstein, Leopold: *See*—
Rostler, Fritz, and Bornstein.
- Borresen, William Y.: *See*—
Bissout, Herbert A., and Borresen.
- Borroughs, Joseph N., Piedmont, Calif. Swimming instruction apparatus. 2,434,542, Jan. 13.
- Borroughs, Joseph N., Piedmont, Calif. Swimming practice apparatus. 2,434,543, Jan. 13.
- Bors, Zoltan J., Tonawanda, N. Y. Immersion heater. 2,457,028, Dec. 21.
- Borsoff, Victor N., Berkeley, Calif. Removing carbon and carbonaceous matter. 2,443,373, June 15.
- Bortner, William A., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Retractable sponson. 2,448,075, Aug. 31.
- Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia Pa. Preparation of nitriles. 2,455,651, Dec. 7.
- Borts, George A., Alliance, Ohio. Window screen shutter. 2,435,381, Feb. 3.
- Borys, Chester A., assignee: *See*—
Swiech, Walter.
- Borzell, John, Pittston, Pa. Fifth wheel coupling for trailers. 2,454,626, Nov. 23.
- Bosch, James F., Wappingers Falls, N. Y. Bookbinding and producing the same. 2,455,971, Dec. 14.
- Boscowitz, Herbert H., New York, N. Y. Finger ring with key. 2,453,190, Nov. 9.
- Boshka, Joseph M., G. A. Goepfrich, and F. V. Kuzmiltz, assignors to Bendix Aviation Corporation, South Bend, Ind. Semiautomatic hydraulic-electric gun charger. 2,440,071, Apr. 20.
- Boskovich, Milan N., Midvale, Utah, assignor of forty-nine one-hundredths to A. O. Hall. Mechanical mucker. 2,435,669, Feb. 10.
- Bosland, Herman S.: *See*—
La Piana, Fred G., and Bosland.
- Bosley, James L., Oakland, Calif. Photometer carrying case. 2,447,053, Aug. 17.
- Boss, Floris, and E. Nemic, Grand Rapids, Mich. Adjustable two layered screen for hammer mills and remote control therefor. 2,440,927, May 4.
- Boss, Marcel C., Westfield, assignor to Mabor Company, Inc., Clark Township, Union County, N. J. Apparatus for cleaning metal articles and the like by liquid dip agitation. 2,442,675, June 1.
- Boss, Marcel C., Westfield, assignor to Mabor Company, Inc., Clark Township, Union County, N. J. Vapor phase degreasing apparatus, including temperature control of vapor condensers. 2,447,840, Aug. 24.
- Bossard, Gisbert L., Cleveland, Ohio. Mounting for electric chime signal devices. 2,452,897, Nov. 2.
- Bossard, Werner: *See*—
Krebsner, Adolf, and Bossard.
- Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Supplying pulses of modulated current. 2,437,315, Mar. 9.
- Bossi, Romeo A., Newton Center, Mass. Universal ray or beam reflecting device. 2,450,417, Oct. 5.
- Bossmeyer, Charles L., Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y. Springless governor. 2,433,885, Jan. 6.
- Bostock, Ian, Stafford, England. Making shoes with a wedge heel and stiffener. 2,444,493, July 6.
- Boston, Elmer S., Earlville, Ill. Trip-rope tensioning and releasing device. 2,444,974, July 13.
- Boston, Elmer S., Earlville, Ill. Bracket construction. 2,447,228, Aug. 17.
- Boston, John P., United States Navy. Temperature measuring system with maximum or minimum selector. 2,444,421, July 6.
- Boston Machine Works Company, assignee: *See*—
Calder, John M.
- Boston Varnish Company, assignee: *See*—
Bradley, John J., Jr.
- Boston Wire Stitcher Company, assignee: *See*—
Lindstrom, Charles M.
Maynard, Arthur H.
- Boston Woven Hose and Rubber Company, assignee: *See*—
Bierer, John M.
Harrison, Arthur Y., and Pinkerton.
Knowland, Thomas M.
Marcy, Grosvenor D.
Silvia, Cyril L., and Smith.
- Bostwick, Fred D., Thiensville, assignor to A. O. Smith Corporation, Milwaukee, Wis. Mixing vessel and deflector therefor. 2,450,107, Sept. 28.
- Bostwick, Henry C., Coventry Township, Summit County, assignor to Akron Standard Mold Company, Akron, Ohio. Strip feeding mechanism. 2,441,791, May 18.
- Bostwick, Myron A.: *See*—
Sonnenmann, William K., and Bostwick.
- Bostwick, Rolla B., Pittsburgh, Pa. Sharpener for double-edged razor blades, with automatic blade-turning means. 2,439,846, Apr. 13.
- Bosworth, Frederic M., Rocky River, assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 2,441,344, May 11.
- Both, Donald J. R.: *See*—
Cribb, Harold H., and Both.
- Botham, Jack F., Colchester, England. Perpetual calendar with automatic day indication. 2,435,069, Jan. 27.
- Bothe, Werner H., Kenosha, assignor to Worldsbest Industries, Inc., Cudahy, Wis. Clamp for curtain stretchers. 2,448,574, Sept. 7.
- Bothwell, Frank E.: *See*—
Coffin, Francis P., Jr., Bothwell, and Crout.
- Bottenberg, Kenneth C., and J. A. Richardson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacturing anhydrous HCl. 2,437,290, Mar. 9.
- Bottle Brownie Corp., assignee: *See*—
Campbell, James W.
- Bottomly, Robert J., assignee: *See*—
Adams, Edwin F.
- Botts, Hugh P., assignor of one-half to L. G. Botts, New York, N. Y. Paper clip. 2,455,399, Dec. 7.
- Botts, Lawrence G., assignee: *See*—
Botts, Hugh P.
- Bouchard, George H., Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Crater lamp. 2,457,771, Dec. 28.
- Bouchard, Joseph El., Quebec, Quebec, Canada. Display tray. 2,442,070, May 25.
- Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens holding means for semirimless tension spectacle mountings. 2,439,357, Apr. 6.
- Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Semirimless spectacle mounting. 2,450,711, Oct. 5.
- Boucher, Auguste, and L. Parveau, Vignols, France. Slotting and tenoning machine. 2,450,181, Sept. 28.
- Boucher, Charles P.: *See*—
Keiser, Russell W., and Boucher.
- Boucher, Charles P., and R. W. Keiser, assignors to Boucher and Keiser Company, Atlanta, Ga. Fluorescent lighting system. 2,439,963, Apr. 20.

- Boucher and Keiser Company, assignee: *See*—
Boucher, Charles P., and Keiser.
Keiser, Russell W., and Boucher.
- Boucher, Roger, Hull, Quebec, Canada. Bicycle rear light control. 2,449,200, Sept. 14.
- Boucaut, Louis, assignor to Société à Responsabilité Limitée: Les Fils De Valton & Co., Troyes, France. Apparatus for the manufacture of seamless varicose-vein stockings. 2,441,118, May 4.
- Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. Combined brake and safety leg for perambulators. 2,456,250, Dec. 14.
- Bouffard, Joseph A., Garden City, and J. G. Greemen, assignors to C. B. Gates, Detroit, Mich. Crayon container. 2,438,895, Apr. 6.
- Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material serving apparatus. 2,457,636, Dec. 28.
- Boughton, Olin W.: *See*—
Sharp, John V., and Boughton.
- Boughton, Willis A., Fort Lauderdale, Fla., and C. L. Dawes, and W. R. Mansfield, Cambridge, Mass., assignors to W. A. Boughton, C. L. Dawes, W. R. Mansfield, F. C. Hughes, and D. M. Hill, trustees of the Mica Patents Trust. Composite bonded sheet insulating materials. 2,456,251, Dec. 14.
- Boulais, William A., Jr., Jersey City, N. J. Photographic border device. 2,454,032, Nov. 16.
- Boulicault, Marcel, assignee, et al.: *See*—
Leach, Charles C.
- Bouman, Johannes A. J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver or amplifier arranged to be fed from direct current mains. 2,449,685, Sept. 21.
- Bour, Paul L., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical connector. 2,457,119, Dec. 28.
- Bourdeaux, John, Vancouver, British Columbia, Canada. Drive chain. 2,440,818, May 4.
- Bourdeaux, Joseph O.: *See*—
Holan, Leif A., and Bourdeaux.
- Bourdette, Earl C., Chickasaw, Ala. Internal heat intensifier. 2,452,898, Nov. 2.
- Bourdette, Earl C., Chickasaw, Ala. Adjustable flange jig. 2,452,985, Nov. 2.
- Bourgeois, Louis, St. Louis, Mo. Trap. 2,440,570, Apr. 27.
- Bourland, Eli, Millbrae Highlands, assignor to Pacific Can Company, San Francisco, Calif. Continuous cooker-cooler drive. 2,436,913, Mar. 2.
- Bourland, Harry B., assignor to Red Spot Paint & Varnish Company, Inc., Evansville, Ind. Display bin construction. 2,434,985, Jan. 27.
- Bourland, James F.: *See*—
Hass, Henry B., and Bourland.
- Bourne, Edmund W., Jr., Utica, N. Y. Signal plug for engine failure warning systems. 2,450,630, Oct. 5.
- Bourne, Raymond D., Middletown, Ohio. Windmill. 2,437,846, Mar. 9.
- Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Snowplow. 2,437,291, Mar. 9.
- Bourne, Roland B., West Hartford, and J. P. Tyskewicz, assignors to The Maxim Silencer Company, Hartford, Conn. Elevating mechanism for snowplows. 2,440,166, Apr. 20.
- Bourne, Roland B., West Hartford, J. P. Tyskewicz, Hartford, and A. E. Chase, Elmwood, assignors to The Maxim Silencer Company, Hartford, Conn. Spark arrester silencer. 2,452,723, Nov. 2.
- Bourque, Hercules N., Hudson, Mass. Toolholding attachment for machine tool turrets. 2,453,083, Nov. 2.
- Bourquin, Jean-Pierre: *See*—
Schneider, Otto, and Bourquin, and Grüssner.
- Bourret, René, Boulogne-sur-Seine, and J. Bardou, Paris, assignors to Société d'Applications Mécaniques Pour L'Automobile, Boulogne, sur-Seine, France. Automatic die casting machine. 2,445,995, July 27.
- Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Erector system. 2,445,384, July 20.
- Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenophenylthio-2,3 epoxypropanes, and halogenophenylthio-2,3-propanediols. 2,434,099, Jan. 6.
- Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-carboxy-halogeno-1,4-thiachromanone. 2,434,100, Jan. 6.
- Bouthillier, Auguste J. and J. P., assignors to Imperial Machine Corporation, Worcester, Mass. Floating tool holder. 2,445,509, July 20.
- Bouthillier, Jean P.: *See*—
Bouthillier, Auguste J. and J. P.
- Bouton, George M., Madison, G. S. Phipps, Chatham, and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metal objects coated with lead alloys. 2,446,996, Aug. 17.
- Bouton, Gertrude V., assignee: *See*—
Vischer, Alfred, Jr.
- Bouton, H. L., Company, assignee: *See*—
Maurer, Frank W.
- Bouwer, Adam B., and L. Dorfman, Johannesburg, Transvaal, Union of South Africa. Concentrator having sloping reciprocating table with movable deck. 2,438,775, Mar. 30.
- Bouwens, Albert: *See*—
Mulder, Johannes G. W., and Bouwers.
- Bouwers, Albert, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Schmidt type image former with negative meniscus lens spherical aberration corrector. 2,448,699, Sept. 7.
- Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable pothead. 2,436,093, Feb. 17.
- Bovey, Donald E., assignor to Woodward Governor Company, Rockford, Ill. Electrical measurement of displacement. 2,439,711, Apr. 13.
- Bow, Horace S., assignee: *See*—
Bow, Marvin H.
- Bow, Marvin H., assignor of one-half to H. S. Bow, Ardmore, Okla. Oil gauge-line wiper. 2,440,571, Apr. 27.
- Bowdill Company, The, assignee: *See*—
Bowman, Charles L.
- Bowditch, Hoel L., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Mechanism for moving movable members. 2,455,326, Nov. 30.
- Bowditch, Hoel L., Sharon, Mass. Combination magnifying lens and punch or the like. 2,455,972, Dec. 14.
- Bowe, Thomas A., Hilbert, Wis. Steering gear for wheeled vehicles. 2,437,590, Mar. 9.
- Bowen, Arnold B., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide repeater. 2,457,524, Dec. 28.
- Bowen, Cedric A., Aston, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle box. 2,448,655, Sept. 7.
- Bowen, Edward L., McComb City, Miss. Air brake slack adjuster. 2,436,850, Mar. 2.
- Bowen, Everette F., Cedar Rapids, Iowa, assignor to Eastman Kodak Company, Rochester, N. Y. Means for illuminating and trimming paper. 2,444,723, July 6.
- Bowen, Rayner V., Huntington, W. Va. Sander. 2,445,599, July 20.
- Bowen, Henry B., and A. M. Vineberg, Montreal, Quebec, Canada. Terminal attachment for crutches and the like. 2,453,742, Nov. 16.
- Bowen, Herbert C., Cassopolis, Mich., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Mixing valve control. 2,442,886, June 8.
- Bowen, John L., Sr., Morgantown, W. Va. Car-rail stop. 2,454,500, Nov. 23.
- Bowen, Joseph R., assignor to Hollywood-Maxwell Co., Los Angeles, Calif. Brassière. 2,436,094, Feb. 17.
- Bowen, Phil C., Merriam, Kans. Garment drier head. 2,453,488, Nov. 9.
- Bowen, Rees T., A. W. Head, and F. G. Lesniak, assignors to Masonite Corporation, Laurel, Miss. Multiple press loading and/or unloading apparatus. 2,438,896, Apr. 6.
- Bowen Research Corporation, assignee: *See*—
Bowen, William S., and McCrum.
- Bowen, William J., Chevy Chase, Md. Emergency oxygen supply. 2,444,029, June 29.
- Bowen, William S., Westfield, and W. I. McCrum, Belmar, assignors to Bowen Research Corporation, Garwood, N. J. Vibrating conical discharge means for spray driers. 2,449,366, Sept. 14.
- Bower, Byron F., assignor to Pines Engineering Company, Aurora, Ill. Transfer device for tube and rod chucks. 2,438,600, Mar. 30.
- Bower, Clark D., Lomona, Calif., assignor to Fairbanks, Morse & Co., Chicago, Ill. Turbine pump. 2,455,552, Dec. 7.
- Bower, Frank P., assignor of one-half to T. E. Chambers, New Castle, Pa. Spring biased parking brake lever. 2,440,928, May 4.
- Bower, John L., New Haven, Conn., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Selective metering system with supervised control device. 2,440,002, Apr. 20.
- Bower Roller Bearing Company, assignee: *See*—
Johnson, Glen F.
Madison, Arthur F.
- Bower, William L., Sheffield, England. Magnetic separator. 2,452,220, Oct. 26.
- Bowers, Charles E., assignor to Fibre Metal Products Company, Chester, Pa., a partnership consisting of F. M. Bowers, C. E. Bowers, and J. W. Bowers. Headgear goggles. 2,445,203, July 13.
- Bowers, Frederick H., Kalamazoo, Mich. Fabricating merchandise holders and display devices. 2,455,109, Nov. 30.
- Bowers, Herbert L.: *See*—
Williams, William W., and Bowers.
- Bowers, Jack L., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. High-frequency variable inductance. 2,453,113, Nov. 9.
- Bowers, James E., Allentown, Ga. Transportation vehicle. 2,438,534, Mar. 30.
- Bowers, Malcolm B.: *See*—
Brantly, John E., and Bowers.
- Bowers, Maurice E., Somerville, N. J. Hen marking nest. 2,446,208, Aug. 3.

- Bowers, Thomas A., Mattapoisett, Mass., assignor, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Piston ring assembly. 2,443,065, June 8.
- Bowers, Vernon A., Baltimore, Md. Closure attachment for cigarette packages. 2,445,510, July 20.
- Bowes, Arthur S., assignee: *See*—
Amberg, Walter E.
- Bowles, Albert F., Naugatuck, Conn., and A. J. Keegel, Jersey City, N. J., assignors to Trinity Holding Corporation, Beacon Falls, Conn. Carroting reagents and process. 2,438,738, Mar. 30.
- Bowles, Vernon O.: *See*—
Reed, Carl S., Schutte, and Bowles.
- Bowlin, Pete, Lewiston, Idaho. Shaving kit. 2,454,374, Nov. 23.
- Bowling, Leonard C., assignor of one-half to L. O. Koen, Houston, Tex. Motor steering apparatus. 2,440,794, May 4.
- Bowlus, Glenn H., San Marino, Calif. Helicopter and airplane sustained aircraft. 2,440,003, Apr. 20.
- Bowlus, Omer E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,447,111, Aug. 17.
- Bowman, Charles L., Canton, Ohio, assignor to The Bowdill Company. Wedge-grip holder for bits. 2,434,256, Jan. 13.
- Bowman, Ervin D. L., Fairview Village, Ohio. Lamp construction. 2,446,455, Aug. 3.
- Bowman, Gramville M., assignee: *See*—
Sohnlein, Fred W.
- Bowman Gum, Inc., assignee: *See*—
Fenimore, Edward P.
- Bowman-Manifold, Michael: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.
- Bowman, Philip I.: *See*—
Remensnyder, John P., Bowman, and Barth.
- Bown, Ralph, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for transmitting intelligence. 2,436,376, Feb. 24.
- Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,433,836, Jan. 6.
- Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,441,557, May 18.
- Bowser, J. C., assignee: *See*—
Harvuot, Frank B.
- Bowser, S. F., & Company, Incorporated, assignee: *See*—
Kamm, Edmund W. E., and Delaney.
- Bowsher, Edward A. H., H. M. M. d'Assis-Fonseca, and H. J. Ward, assignors to Standard Telephones and Cables Limited, London, England. Electric signaling system. 2,445,759, July 27.
- Boxwell, Norman L., assignee: *See*—
Merline, Edward O.
- Boyd, Aram, Pittsfield, Mass., assignor to General Electric Company. Tapped transformer system. 2,449,367, Sept. 14.
- Boyar, Harry, Oak Park, assignor to Boyar-Schultz Corporation, Chicago, Ill. Knurling tool. 2,436,950, Mar. 2.
- Boyar-Schultz Corporation, assignee: *See*—
Boyar, Harry.
Ross, Albert R.
- Boyce, Garfield L., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding of yarn. 2,451,468, Oct. 19.
- Boyce, Thompson, Institute for Plant Research, Inc., assignee: *See*—
Denny, Frank E.
Prill, Edward A.
Synderholm, Martin E.
- Boyd, Frank C., Santa Fe Springs, H. E. Hester, Los Angeles, and P. A. Medearis, Southgate, Calif. Drill pipe protector applicator. 2,435,868, Feb. 10.
- Boyd, Frank S., Alameda, Calif. Parachute release. 2,434,755, Jan. 20.
- Boyd, James H., Jr., Hudson Township, Summit County, Ohio, assignor to Phillips Petroleum Company. Hydrogenation of butadienesulfones to thiophenes. 2,440,671, May 4.
- Boyd, Landon B., La Porte, Ind. Copper topped piston. 2,445,309, July 20.
- Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of vinyl chloride. 2,446,123, July 27.
- Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Reaction of hydrogen halides with compounds having aliphatic unsaturation. 2,446,124, July 27.
- Boyd, Thomas E.: *See*—
D'Ardenne, Walter H., Devore, Wolf and Boyd.
- Boyd, William H., Drexel Hill, assignor to General Refractories Company, Philadelphia, Pa. Furnace arch and wall structure. 2,457,201, Dec. 28.
- Boyd, William J., Jr., Pittsburgh, Pa. Keyway cutter holder. 2,455,973, Dec. 14.
- Boyden, Robert E., Los Angeles, and E. P. Drake, Glendale, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Governor. 2,442,456, June 1.
- Boydston, Raymond W.: *See*—
Raines, Arnold, Boydston, and Eshner.
- Boyer, Francis E.: *See*—
Winkler, Herman E., and Boyer.
- Boyer, Hugh N., near Canfield, Ohio. Traction device. 2,436,549, Feb. 24.
- Boyer, Hugh N., near Canfield, Ohio. Toggle bolt. 2,448,700, Sept. 7.
- Boyer, Hugh N., Canfield, Ohio. Traction device for tractors. 2,455,110, Nov. 30.
- Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic converter. 2,442,257, May 25.
- Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits for high-frequency electronic converters. 2,442,258, May 25.
- Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power circuits for high-frequency electronic converters. 2,442,259, May 25.
- Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyphase electronic converter. 2,442,260, May 25.
- Boyer, John L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic converter control circuit. 2,442,263, May 25.
- Boyer, John L., Wilkinsburg, and H. A. Rose, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation system for vapor electric valves. 2,441,987, May 25.
- Boyer, John L., and C. G. Hagensick, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic frequency changer. 2,442,261, May 25.
- Boyer, John L., and C. G. Hagensick, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cycloconverter control. 2,442,262, May 25.
- Boyer, John L., Wilkinsburg, and R. J. Ballard, West Newton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,454,129, Nov. 16.
- Boyer, Taylor M., and C. R. Gottschall, assignors to All American Aviation, Inc., Wilmington, Del. Arresting unit for aircraft landing system. 2,448,209, Aug. 31.
- Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Efficiency meter. 2,434,544, Jan. 13.
- Boylan, Charles H., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Packless back-seating valve. 2,438,776, Mar. 30.
- Boylan, Francis L., New Orleans, La. Fuel oil filling system. 2,438,800, Mar. 30.
- Boylan, Gove S., Ridgway, Pa., assignor to United States Leather Company, New York, N. Y. Conveying mechanism. 2,434,345, Jan. 13.
- Boylan, Gypsy A., Rocky River, Ohio. Brassière. 2,455,036, Nov. 30.
- Boyle, Edward J., and E. A. Anderson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc-titanium-cadmium alloys. 2,448,169, Aug. 31.
- Boyle-Midway Inc., assignee: *See*—
Cameron, Joseph W.
Kamlet, Jonas.
Thomas, Douglas W.
- Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.
- Boynton, Erwin R., Schenectady, and W. T. Rauch, Pattersonville, N. Y., assignors to General Electric Company. Electromagnet with plunger. 2,435,817, Feb. 10.
- Boypower Incorporated, assignee: *See*—
Brauer, David G.
- Bozeman, John W., New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Sinusoidal modulator. 2,445,204, July 13.
- Bozenhard, Charles C. and C. C., Yonkers, N. Y. Tire chain. 2,436,709, Feb. 24.
- Bozenhard, Cushing C.: *See*—
Bozenhard, Charles C. and C. C.
- Bozorth, Harry S., Jr., Upper Darby, Pa. Grip clasp for fishing rods. 2,443,946, June 22.
- Brach, E. J., & Sons, assignee: *See*—
Spain, William P.
- Brack, Joseph L., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle bed arrangement. 2,443,552, June 15.
- Bracke, Oscar J. J., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch mounting for telecommunication systems. 2,436,786, Mar. 2.
- Brackett, Frederick S., Chevy Chase, Md. Periscope mounting for armored vehicles. 2,454,268, Nov. 23.
- Brackett, Newell, Bala Cynwyd, Pa. Tube expander. 2,448,512, Sept. 7.
- Bradbury, Clayton: *See*—
Graves, Herbert C., Jr., Schymik, and Bradbury.
- Bradbury, Donald, Prospect Park, and C. A. Meyer, Drexel Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuel control apparatus for liquid fuel burners. 2,446,523, Aug. 10.
- Bradbury, Frederick G., assignee: *See*—
Fricks, Albin N.

- Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Pressure regulator for instrument housings. 2,439,793, Apr. 20.
- Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Deviation correcting means for magnetic devices. 2,443,595, June 22.
- Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyro vertical instrument. 2,450,874, Oct. 12.
- Braddon, Frederick D., Babylon, and L. F. Beach, Port Washington, N. Y., assignors to The Sperry Corporation. Gyroscopic instrument. 2,450,875, Oct. 12.
- Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Monitoring and measuring apparatus for frequency modulated signals. 2,438,801, Mar. 30.
- Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Phase splitting coupling for coaxial transmission lines. 2,457,638, Dec. 28.
- Braden, Vally N., assignor to Wingfoot Corporation, Akron, Ohio. Liquid-hydrocarbon-resistant container. 2,451,911, Oct. 19.
- Bradenburg, Joseph L., Brooklyn, N. Y. Portable air clearing fan. 2,451,193, Oct. 12.
- Bradford, Arthur J., Chicago, Ill., assignor, by mesne assignments, to Motion Picture Engineering Corporation. Winding mechanism. 2,436,418, Feb. 24.
- Bradford, Victor H., Upper Montclair, assignor to Specialties Development Corporation, Bloomfield, N. J. Producing aluminum-coated iron or steel. 2,444,422, July 6.
- Bradford, William, Taunton, Mass. Six heat pad. 2,441,005, May 4.
- Bradley, Burt J., Boise, Idaho. Wire tightener. 2,451,531, Oct. 19.
- Bradley, George T., Miami, Fla. Shotgun forearm. 2,447,229, Aug. 17.
- Bradley, John J., Jr., Walpole, assignor to Boston Varnish Company, Everett, Mass. Film applicator. 2,436,351, Feb. 17.
- Bradley, John S., North Attleboro, Mass., and N. H. Smith, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Yarn take-up. 2,449,105, Sept. 14.
- Bradley Pulverizer Company, assignee: *See*—Gibson, William A., and Mayer.
- Bradley, Robert A., Vancouver, British Columbia, Canada. Conveyor. 2,445,469, July 20.
- Bradley, Rose I., Seattle, Wash. Bib and safety jacket. 2,448,076, Aug. 31.
- Bradley, Wilburn F., Hollywood, Ill. Loading device for plastic molding machines. 2,451,912, Oct. 19.
- Bradley, William E.: *See*—Johnson, Nels, and Bradley.
- Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation process. 2,435,028, Jan. 27.
- Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation of isoparaffins with olefins. 2,435,029, Jan. 27.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Synchronized oscillator circuit. 2,440,073, Apr. 20.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency modulation detector circuit. 2,445,996, July 27.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wave guide coupling device. 2,455,158, Nov. 30.
- Bradner, Donald B., Cincinnati, Ohio. Calculating machine. 2,454,987, Nov. 30.
- Bradshaw, George B., Wilmington, Del. Soapmaking process. 2,452,724, Nov. 2.
- Bradshaw, George B., Wilmington, Del. Soapmaking process. 2,452,725, Nov. 2.
- Bradshaw, Jess H., San Jose, Calif. Valve silencer. 2,434,386, Jan. 13.
- Bradshaw, Leonard C.: *See*—Montgomery, John A., Archibald, and Bradshaw
- Bradshaw, Robert, assignee: *See*—Pulver, Harold M.
- Bradshaw, William H., Wilmington, Del., and W. R. Schmitz, Jr., Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous making alkali cellulose. 2,452,542, Nov. 2.
- Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Labeled fabric bag and the like. 2,437,184, Mar. 2.
- Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Making labeled bags and the like. 2,437,185, Mar. 2.
- Brady, Clyde H., Danville, Va. Plumbing fitting. 2,439,712, Apr. 13.
- Brady, Francis E., Jr., Muncie, Ind. Sealing unit. 2,445,018, July 13.
- Brady, Francis E., Jr., Muncie, Ind. Fitting for automobile radiators. 2,453,406, Nov. 9.
- Brady, Frank W., San Francisco, Calif. Device for handling cakes of ice and delivering same in comminuted form. 2,435,030, Jan. 27.
- Brady, Frederick W.: *See*—Brady, William H., Jr. and F. W.
- Brady, George W., Upper Montclair, N. J., assignor to Curtis-Wright Corporation. Making internally reinforced hollow propeller blades. 2,457,202, Dec. 28.
- Brady, James M., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Automatic weather data transmitting station unit. 2,441,133, May 11.
- Brady, Robert L.: *See*—Arvin, Maroin J., and Brady.
- Brady, Samuel G.: *See*—Gruenberg, Ivor J., and Brady.
- Brady, Samuel G., and J. L. King, Royal Oak, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Indexing mechanism. 2,454,591, Nov. 23.
- Brady, William H., Jr., Milwaukee, Wis., and F. W. Brady, Chicago, Ill. Adhesive label dispenser. 2,434,545, Jan. 13.
- Braendle, Harold A.: *See*—Wiegand, William B., and Braendle.
- Braga, Earl W., Los Angeles, Calif. Air-cooled explosion turbine. 2,436,246, Feb. 17.
- Bragiel, Albert, and J. Scott, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Carpeted floor. 2,441,391, May 11.
- Brahm, Clarence A.: *See*—Lorentz, Mynard R., and Brahm.
- Brailsford, Harrison D., Harrison, N. Y. Electrical motor. 2,457,637, Dec. 28.
- Brailsford, Robert E.: *See*—Kischitz, Alexander D., Gochenour, and Brailsford.
- Braithwaite, Charles H., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Waterproof electrical coil. 2,447,631, Aug. 24.
- Brake Equipment & Supply Company, assignee: *See*—Pratt, Best.
- Brainard, Carl M., Los Angeles, Calif. Electrically energized visible unit. 2,441,749, May 18.
- Bralley, James A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of vinyl chloride. 2,436,710, Feb. 24.
- Bralley, James A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of vinyl chloride. 2,436,711, Feb. 24.
- Bralley, James A., Akron, and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Nuclear halogenated 4,4'-bis-(alkenyl carbonato) diphenyl alkanes and polymers thereof. 2,455,652, Dec. 7.
- Bralley, James A., Akron, and F. B. Pope, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Di-(alkenyl carbonato) aromatic compounds and polymers thereof. 2,455,653, Dec. 7.
- Bramberry, Harry M., New Castle, Ind. Piston ring. Re. 23,014, July 6.
- Bramberry, Harry M., New Castle, Ind. Cylinder surface character. 2,434,880, Jan. 20.
- Bramberry, Harry M., Sr., Newcastle, Ind. Piston ring tool. 2,444,975, July 13.
- Bramel, Vera M., assignee, et al.: *See*—Anderson, Frederick.
- Bramley, Arthur, Long Branch, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Photoelectric tube and manufacturing same. 2,439,647, Apr. 13.
- Bramley, Sylvanus W., White Plains, N. Y. Electromagnetic clock winding mechanism. 2,442,395, June 1.
- Brammer, Harry, Leeds, England. Belting. 2,450,576, Oct. 5.
- Brammer, Harry, Leeds, England. Laminated driving belt. 2,455,400, Dec. 7.
- Branch, Burl, Brantford, Ontario, Canada. Barking drum. 2,456,365, Dec. 14.
- Branchfield, Frank B., Sr., Canton, Ill. Cheese pusher. 2,457,441, Dec. 28.
- Branchflower, Lyle E.: *See*—Lincoln, John H., and Branchflower.
- Brand, Earl E., Berlin, N. J. Liquid cooled metallic beer keg. 2,447,390, Aug. 17.
- Brand, Jane, Pittsburgh, Pa. Ankle bandage. 2,446,902, Aug. 10.
- Brand, William T., Beemer, Nebr. Machine for removing the wax caps from honeycombs. 2,457,301, Dec. 28.
- Brandell, Elmer, assignee, et al.: *See*—Neal, Ernest C.
- Brandenburg, André, and A. Jolivet; said Brandenburg assignor to M. Deloye, Paris, France. Device for the separate supply of the fuel and of the combustion air for explosion engines. 2,440,572, Apr. 27.
- Brandenburg, Julius, New York, N. Y. Umbilical clip and holder for same. 2,434,831, Jan. 20.
- Brandes, Samuel A., New York, and F. L. Greenfield, Brooklyn, N. Y.; said Brandes assignor to said Greenfield. Laterally folding chair with tray. 2,447,391, Aug. 17.
- Brandon, Howard, assignee, et al.: *See*—Nelson, Noble A.
- Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Desulfurization of triisobutylene. 2,436,550, Feb. 24.
- Brandon, Wayne D., Skokie, assignor to Baxter Laboratories, Inc., Glenview, Ill. Container and using same. 2,457,120, Dec. 28.

- Brandt Automatic Cashier Company, assignee: *See*—
Barganz, Walter A., and Quirk.
Quirk, Earl W., and Buchholz.
- Brandt, Edison R., Marblehead, assignor to Edison Engineering Company, Inc., Swampscott, Mass. Article carrier. 2,434,387, Jan. 13.
- Brandt, Helene, New York, N. Y. Removable cover for handbags or similar articles. 2,436,237, Feb. 17.
- Brandt, Kristian H., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Filter condenser and brush holder. 2,453,114, Nov. 9.
- Brandt, Otho A., St. Paul, and F. G. Ellingsen, Minneapolis, Minn. Wheel operating means for airplanes. 2,454,627, Nov. 23.
- Brandt, Philipp: *See*—
Ratti, Roger, and Brandt.
- Brandt, Preston L.: *See*—
Wadsworth, Francis T., Lee, and Brandt.
- Brandt, Weldon H.: *See*—
Rider, Morgan W., and Brandt.
- Brandt, Wilfred H.: *See*—
Burtie, Jerome G. and Brandt.
Tomlinson, Clarence L.
- Braner, Henry J., assignor to The National Cash Register Company, Dayton, Ohio. Electric soldering apparatus. 2,437,151, Mar. 2.
- Brannick, Charles E., Fargo, N. Dak. Apparatus for lifting and supporting rim-equipped tires. 2,448,414, Aug. 31.
- Branscome, Garnett E.: *See*—
Lineberry, Bolling B., and Branscome.
- Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,447,560, Aug. 24.
- Branson Company, assignee: *See*—
Powell, Clayborn F.
- Branson, Harry, Hightstown, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Sawtooth wave generator. 2,444,330, June 29.
- Branson, Otis L., Beaumont, Tex., assignor to Socony Vacuum Oil Company, Incorporated, New York, N. Y. Salt deposition. 2,446,456, Aug. 3.
- Branstator, Clem G., Fort Wayne, Ind. Door for vehicles. 2,455,293, Nov. 30.
- Brant, John R., assignee: *See*—
Reid, Ralph W. and C. L.
- Brant, Walter R., and H. G. Chapman, Jr., Glendale, Calif., assignors to Adel Precision Products Corp. Poppet valve. 2,437,723, Mar. 16.
- Brantingham, Wilson C., Salem, Ohio. Radius boring tool. 2,442,720, June 1.
- Brantington, Sigurd, Maplewood, N. J., assignor of one-half to B. Martinuzzi, New York, N. Y. Push button. 2,444,552, July 6.
- Brantly, John E., Athens, and M. B. Bowers, Dallas, Tex. Fluid circulating dental drill and bit. 2,442,033, May 25.
- Brantly, Newby O., Mount Holly, N. J., assignor to Kite Aircraft Corporation, Philadelphia, Pa. Apparatus for contouring metal. 2,439,234, Apr. 6.
- Brasch, Arno, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Sterilizing and preserving. 2,456,909, Dec. 21.
- Brasch, Arno, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Making scenting essential oils from plants. 2,457,203, Dec. 28.
- Brasch, Arno, and W. Huber, Brooklyn, N. Y., assignor, by mesne assignments, to Electronized Chemicals Corporation. Electron discharge vessel. 2,449,872, Sept. 21.
- Braseltson, Chester H., New York, N. Y. Lipstick. 2,457,342, Dec. 28.
- Brassel, Jakob: *See*—
Straub, Fritz, Brassel, and Pieth.
- Brassett, H. A., & Company, assignee: *See*—
Ramseyer, Charles F.
Ramseyer, Charles F., and Brassett.
Ramseyer, Charles F., and Cosman.
- Brassett, Herman A.: *See*—
Ramseyer, Charles F., and Brassett.
- Bratburd, David H., Bayside, N. Y. Adjustable hanger for frames. 2,450,465, Oct. 5.
- Bratschi, Ernest, assignor to L. B. Fabrication De Serrures De Surete S. A., Geneva, Switzerland. Safety lock. 2,436,628, Feb. 24.
- Brattain, Paul L., Azusa, Calif. Multiple circuit stand lamp. 2,449,765, Sept. 21.
- Brattain, Walter H., Halesite, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating materials and devices and making them. 2,438,110, Mar. 23.
- Bratton, Samuel M., assignor to The Pusey & Jones Corporation, Wilmington, Del. Steam joint supporting structure. 2,438,141, Mar. 23.
- Bratton, Samuel M., assignor to The Pusey & Jones Corporation, Wilmington, Del. Press arrangement. 2,448,295, Aug. 31.
- Braucher, Harvey M., Baltimore, Md. Milling machine. 2,454,269, Nov. 23.
- Braucher, Harvey M., Baltimore, Md. Milling tool. 2,454,764, Nov. 30.
- Braude, Jack J., assignor to Evco, Inc., Los Angeles, Calif. Toy steering wheel. 2,455,887, Dec. 7.
- Brauer, David G., West Los Angeles, assignor to Boypower Incorporated, Los Angeles, Calif. Refrigerating apparatus assembled and removed from cabinet as a unit. 2,445,470, July 20.
- Braun, Inc., G. A., assignee: *See*—
Gayring, Wallace F.
- Braun, Adolph F., Flint, assignor to General Motors Corporation, Detroit, Mich. Dual carburetor fuel system. 2,434,192, Jan. 6.
- Braun, Albert E.: *See*—
Childs, David, Braun, and Hanson.
- Braun, Alfred and F. W., Detroit, Mich. Beam. 2,446,457, Aug. 3.
- Braun, Armond W., Grafton, Iowa. Adjustable wheel structure. 2,454,130, Nov. 16.
- Braun, Frank C., New York, N. Y. Adhesive-containing suction cup. 2,451,194, Oct. 12.
- Braun, Frederick W.: *See*—
Braun, Alfred and F. W.
- Braun, G. A., Inc., assignee: *See*—
Goodwin, Don O., and Yanchenko.
Yanchenko, Basil J.
- Braun, Gustav F., Elizabeth, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combination microphone and control means for dictating machines. 2,452,830, Nov. 2.
- Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Card cutting machine. 2,436,192, Feb. 17.
- Braun, Karl J., Merrick, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Punched card sorting machine. 2,454,628, Nov. 23.
- Braun, Philip N., Inc., assignee: *See*—
Kosmer, Frank.
Wells, Myron E.
- Braun, Ralph L. P., Ann Arbor, and S. Urbant, Inkster, Mich. Electrical heater for liquid-cooled engines. 2,444,627, July 6.
- Braun, Walter, Los Angeles, Calif. Slip lasted shoe with tucked in heel cover, and method. 2,440,362, Apr. 27.
- Brauner, Pincus, Haverhill, Mass. Shoe press. 2,444,331, June 29.
- Braunschweiger, Paul G., assignor to The Troy Sunshade Company, Troy, Ohio. Securing webbing strips to furniture frames. 2,457,343, Dec. 28.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Incandescent lamp and the like. 2,444,423, July 6.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Basing electric bulb. 2,454,270, Nov. 23.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electric headlamp projector and incandescent lamp therefor. 2,454,765, Nov. 30.
- Brause, Philip R., Casper, Wyo. Refrigerating unit for vehicles. 2,455,401, Dec. 7.
- Bray, Frederick H., assignor to Standard Telephones and Cables Limited, London, England. Arrangement for producing electric impulses. 2,436,787, Mar. 2.
- Bray, Ulric B., Palos Verdes Estates, and J. K. Russell, Los Angeles, Calif. Method of and apparatus for treating oil. 2,435,707, Feb. 10.
- Bray, Ulric B., Palos Verdes Estates, and J. K. Russell, Los Angeles, Calif. Method of and apparatus for filtering oil. 2,435,734, Feb. 10.
- Bray, Ulric B., Pasadena, Calif. Producing polyvalent-metal hydrocarbon sulfonate. 2,453,690, Nov. 16.
- Brazier, Leslie G., assignor to British Insulated Callender's Cables Limited, London, England. Joint for electric cables. 2,442,193, May 25.
- Brazier, Leslie G., and D. T. Hollingsworth, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Coupling for cables. 2,433,980, Jan. 6.
- Bready, William M., assignor to Cleaver-Brooks Company, Milwaukee, Wis. Cargo trailer hitch. 2,438,032, Mar. 16.
- Brearley, Albert, assignee, et al.: *See*—
Anderson, Frederick.
- Brearley, Charles S., Jr.: *See*—
Grote, Henry W., Swoope, and Brearley.
- Breault, Delphis C., Lowell, Mass. Oil burner. 2,450,418, Oct. 5.
- Breault, Delphis C., Lowell, Mass. Apparatus for burning liquid fuel in the presence of gas under pressure. 2,452,543, Nov. 2.
- Brecht, Winston A., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexible drive. 2,439,919, Apr. 20.
- Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,454,131, Nov. 16.
- Breck Company, The, assignee: *See*—
Backstrom, John A.
- Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple buck laundry press. 2,441,184, May 11.
- Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ironer roller extension support. 2,445,418, July 20.

- Bredice, Pasquale Michael, assignor of fifty per cent to Gordon Lawrence Hubert, Middletown, R. I. Automatic warmer for musical instruments. 2,439,713, Apr. 13.
- Bredin, Lewis L., Oxford, Mich. Leg guard. 2,434,064, Jan. 6.
- Breece, John T., New Albany, Ind. Making marquetry inlay. 2,447,609, Aug. 24.
- Breedlove, Charles B., Detroit, Mich. Threaded fastener of the anchor boot type. 2,443,066, June 8.
- Breedlove, Harry B., Baton Rouge, La., assignor of one-half to J. H. Weatherford, Memphis, Tenn. Variable-speed hydraulic drive. 2,434,546, Jan. 13.
- Breen, Ormiston J.: *See—*
Buchanan, Stephen N., and Breen.
- Breese Burners, Inc., assignee: *See—*
Breese, James L.
Huston, Milton D.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Generator burner and fuel control therefor. 2,434,346, Jan. 13.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Temperature responsive motor control system. 2,434,347, Jan. 13.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Hydroxylating pot type hydrocarbon burner. 2,444,494, July 6.
- Breese, James L., assignor, by mesne assignments to Breese Burners, Inc., Santa Fe, N. Mex. Multiple orchard burner. 2,448,656, Sept. 7.
- Breese, Lemuel R., assignor to The North Electric Manufacturing Company, Gallon, Ohio. Remote-control system. 2,444,243, June 29.
- Breeze Corporations, Inc., assignee: *See—*
Bird, Stanley P.
Strunk, Kenneth G., and Lelek.
- Brehm, Joseph R., Auburn, N. Y. Canning foods. 2,434,388, Jan. 13.
- Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Detachable electrical connector. 2,436,914, Mar. 2.
- Breitenstein, Victor W., and R. F. Ingebretsen, Chicago, assignors to F. N. Bard, Highland Park, Ill. Spark timer for hammers. 2,442,284, May 25.
- Breitwieser, Paul, Jackson Heights, N. Y. Sheet paper dispenser. 2,434,454, Jan. 13.
- Breivogel, Philip J.: *See—*
Sondern, Clarence W., and Breivogel.
- Breman, Frank J.: *See—*
Davidson, William W., Trydal, and Breman.
- Bremer, Agatha K., assignee: *See—*
Kleinkort, Henry P.
- Bremer, Emil R., Alameda, Calif. Folding vehicle. 2,433,886, Jan. 6.
- Bremer, Emil R., Alameda, Calif. Lawn washer and sprinkler support. 2,455,037, Nov. 30.
- Bremer, Harry E., Milwaukee, Wis. Adjustable lamp. 2,434,986, Jan. 27.
- Bremner, John G. M.: *See—*
Jones, David G., and Bremner.
- Bremner, John G. M., and D. G. Jones, Norton-on-Tees, and S. F. Pearce and L. M. Smith, Welwyn Garden City, England, assignors to Imperial Chemical Industries Limited. Manufacture and production of lacquers and plastic masses. 2,443,374, June 15.
- Bremner, John G. M., and F. Starkey, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of 1:5-pentanediol. 2,440,929, May 4.
- Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of heterocyclic compounds. 2,450,108, Sept. 28.
- Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Acrolein and ethylene by pyrolysis of dihydropyran. 2,451,712, Oct. 19.
- Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Oxidation of cyclic ethers. 2,453,890, Nov. 16.
- Bremner, John G. M., and D. G. Jones, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Purification of tetrahydrofurfuryl alcohol containing furfural and furfuryl alcohol as impurities. 2,455,159, Nov. 30.
- Bren, Bozetch C., West Caldwell, and Jesse O. White, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized polyvinyl acetal compositions. 2,456,366, Dec. 14.
- Brenkert, Karl, Detroit, Mich. Ventilating system for motion-picture machines. 2,434,193, Jan. 6.
- Brennan, Joseph B., assignee: *See—*
Moynihan, John J.
- Brennan, Joseph B., Cleveland, Ohio. Hose fitting. 2,437,933, Mar. 16.
- Brennan, Joseph B., Euclid, Ohio, assignor to E. D. McCurdy, trustee. Electrolytic devices and making same. 2,444,914, July 13.
- Brennan, Joseph B., Euclid, Ohio, assignor to E. D. McCurdy, as trustee. Electrode and making same. 2,446,524, Aug. 10.
- Brennan, Joseph B., Bratenahl, and L. M. Conrad, Cleveland, Ohio, said Conrad assignor to said Brennan. Electrostatic condenser plate. 2,448,513, Sept. 7.
- Brennen, Ronald F., Valley Stream, assignor to General Die-Stamping Tool Company, New York, N. Y., a partnership comprised of R. F. Matshak and D. M. Kasson. Collet and collet chuck therefor. 2,452,986, Nov. 2.
- Brenner, Harry, Hackensack, N. J., assignor to Streamline Plastics Company, New York, N. Y. Condiment holder. 2,446,407, Aug. 3.
- Brenner, Rebecca, Brooklyn, N. Y. Head and clothing protector. 2,447,561, Aug. 24.
- Brenninger, Alfred W., Philadelphia, Pa. Safety razor and safety razor blade clamp. 2,447,310, Aug. 17.
- Brent, George F., Pittsburgh, Pa., assignor to Brent Industries, Inc. Ladder tape. 2,457,442, Dec. 28.
- Brent Industries, Inc., assignee: *See—*
Brent, George F.
- Brereton, Gilbert, Toronto, Ontario, Canada, assignor to Elmar Corporation, New York, N. Y. Ramie harvesting and decorticating machine. 2,443,296, June 15.
- Bresee, Paul K., Champaign, Ill. Combined container and mixer for concrete, mortar, or other building material. 2,441,392, May 11.
- Breslav, Jack, New Haven, Conn. Grapple. 2,445,019, July 13.
- Breslee Mfg. Company, assignee: *See—*
Gardner, Arthur A., and MacCormack.
Mann, Alex, and Bass.
- Breslow, Ben B.: *See—*
Leo, Herbert S., and Breslow.
- Bressler, Louis R., Southampton, Mass. Flexible bristle head toothbrush. 2,438,268, Mar. 23.
- Bressler, Louis R., Southampton, Mass. Toothbrush. 2,443,297, June 15.
- Breth, Ferdinand W., and A. Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc., New York, N. Y. Removal of fine dust from bauxite. 2,434,389, Jan. 13.
- Breth, Ferdinand W., and A. Kinsel, Petrolia, Pa., assignors to L. Sonneborn Sons, Inc. Liquid phase refining of petroleum hydrocarbon products. 2,449,051, Sept. 14.
- Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for building tires. 2,455,038, Nov. 30.
- Bretos y Claveria, Manuel, Mexico City, Mexico. Safe and vault locking and unlocking mechanism. 2,445,511, July 20.
- Brett, George N., and E. A. Smith, Gravesend, assignors to W. T. Hanley's Telegraph Works Company Limited, London, England. Valve suitable for use with cathode-ray tubes and for other purposes. 2,449,838, Sept. 21.
- Brettingham-Moore, Edward A.: *See—*
Abercrombie, David J., Brettingham-Moore, and Muscio.
- Breuer Electric Mfg. Company, assignee: *See—*
Lanter, Clarence W.
- Brewer, Aubrey K., Richland Center, Wis., and S. L. Madorsky, Chicago, Ill., assignors, by mesne assignments, to the United States Atomic Energy Commission. Molecular distillation process and apparatus for the separation of isotopes, etc. 2,446,997, Aug. 17.
- Brewer, Noble E., Abilene, Kans. Condenser microphone. 2,445,821, July 27.
- Brewer, Oscar Z., Spokane, Wash., assignor of one-half to H. H. McNeill Lumber Co., Inc., New York, N. Y. Carboy package. 2,456,107, Dec. 14.
- Brewer, Philip D., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Hydrocarbon peroxides. 2,447,794, Aug. 24.
- Brewer-Titchener Corporation, assignee: *See—*
Card, Charles S.
- Breyfogel, Albert W.: *See—*
Wilder, Harold F., and Breyfogel.
- Brian, Joseph M., Westmount, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio remote-control system. 2,451,150, Oct. 12.
- Brian, Joseph M., Westmount, Quebec, Canada, assignor to Radio Corporation of America. Capacity brush holder. 2,457,525, Dec. 28.
- Brian, William S., Owensboro, Ky., assignor, by mesne assignments, to General Electric Company. Stacked electrode assembly for electron discharge devices. 2,441,792, May 18.
- Brice, Walter J., White Plains, N. Y. Plastic ornamental article. 2,451,913, Oct. 19.
- Brice, William L., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic emulsions. 2,448,857, Sept. 7.
- Brick, Perry A., assignor to The Perfection Steel Body Company, Gallon, Ohio. Body tipping apparatus for motor vehicles. 2,452,516, Oct. 26.
- Bricker, Gary R., U. S. Army, Omaha, Nebr. Animal trap. 2,446,168, Aug. 3.
- Brickman, A. W., trustees, et al.: *See—*
Kraybill, Henry R., and Beadle.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Making torpedo nets. 2,447,154, Aug. 17.

- Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for swaging and bending. 2,447,155, Aug. 17.
- Bricout, Pierre, Senlis (Oise), France; vested in the Attorney General of the United States. Method and apparatus for curve distortion of alternating currents. 2,436,788, Mar. 2.
- Bridgegroom, Paul L., Leiters Ford, Ind. Nailing device. 2,436,161, Feb. 17.
- Bridge, Arthur S.: See—
Grace, Barnett, Ellison, Leman, Leng, and Bridge.
- Bridge, Edward W., Philadelphia, Pa. Slicing, cutting, and core-removing machine. 2,437,637, Mar. 9.
- Bridge, Edward W., Philadelphia, Pa. Slicing, cutting, and core-removing machine. 2,449,737, Sept. 21.
- Bridgeport Brass Company, assignee: See—
Broecker, Lewis C.
- Bridgeport Casket Hardware Company, assignee: See—
Pastor, John, and Standish.
- Bridgeport Fabrics, Inc., assignee: See—
Spraragen, Louis.
- Bridges, John H., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Luminescent tube system and apparatus. 2,436,951, Mar. 1.
- Bridwell, Chalon E., Detroit, Mich. Valve cage. 2,449,106, Sept. 14.
- Brieche, Joseph, Floral Park, N. Y. Timing and positioning mechanism for dial feeding machines. 2,445,822, July 27.
- Briggs, Allan L., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Portable ironing device. 2,434,483, Jan. 13.
- Briggs, Carl R., Mantua, assignor of one-half to J. Cunningham, Akron, Ohio. Boiler construction. 2,437,347, Mar. 9.
- Briggs, Charles D., assignor to O. S. Walker Co., Inc., Worcester, Mass. Magnetic chuck. 2,435,735, Feb. 10.
- Briggs, Earl, and H. C. Redding, New York, N. Y. Wing folding arrangement for submersible aircraft. 2,444,332, June 29.
- Briggs Filtration Company, The, assignee: See—
Bauer, Walter C.
Besore, Jay M.
Briggs, Southwick W., and Porter.
Porter, Roscoe C.
Tuerck, Karl H. W., and Brittain.
- Briggs, Howard B., Chatham, J. B. Johnson, Maplewood, and W. P. Mason, West Orange, N. J., assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Ultrasonic compressional wave transmission. 2,436,377, Feb. 24.
- Briggs Manufacturing Company, assignee: See—
Allen, Harold E.
Ball, Albert P.
Courtemanche, Edward O.
Guest, James F.
Laing, Howard M.
Lyijynen, Fred.
Pattison, Herbert J.
Platz, Henry T.
Prance, Alvin W.
Shailot, Douglas.
- Briggs, Richard S., North Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube. 2,455,218, Nov. 30.
- Briggs, Southwick W., Washington, D. C. Filter. 2,454,033, Nov. 16.
- Briggs, Southwick W., Washington, D. C. and R. C. Porter, Arlington, Va., assignors to The Briggs Filtration Company, Bethesda, Md. Internal-combustion engine. 2,444,628, July 6.
- Briggs & Stratton Corporation, assignee: See—
Jacobi, Edward N.
Stuckert, Felix J.
- Briggs, Walter H., assignor to Burman & Sons Limited, Birmingham, England. Vehicle steering mechanism. 2,448,701, Sept. 7.
- Bright, Elvin M., Milwaukee, Wis., assignor, by mesne assignments, to F. A. Krause, West McHenry, Ill. Asphaltic molding material. 2,446,903, Aug. 10.
- Bright, Elvin M., assignor to Bright Laboratories, Inc., Whitefish Bay, Wis. Applying bottle caps. 2,451,273, Oct. 12.
- Bright Laboratories, Inc., assignee: See—
Bright, Elvin M.
- Bright, Thomas J. R., Allesley, near Coventry, England. Actuating mechanism. 2,435,339, Feb. 3.
- Brill, Edward F.: See—
Cobb, Carroll F., Brill, and Guenther.
- Brillhart, Samuel E., Lutherville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing cables. 2,435,266, Feb. 3.
- Brillhart, Samuel E., Lutherville, and L. V. Mosher, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding articles. 2,441,988, May 25.
- Brillouin, Leon N., Providence, R. I., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Broad band antenna. 2,454,766, Nov. 30.
- Brimhall, Kirk L., San Gabriel, Calif., assignor to L. O. Bird. Hauling scraper. 2,445,260, July 13.
- Brinda, Steven S., Minneapolis, Minn. Door stop. 2,449,686, Sept. 21.
- Brinda, Steven S., Minneapolis, Minn. Door stop. 2,449,687, Sept. 21.
- Brinen, Howard F.: See—
Skelly, Lawrence E., and Brinen.
- Brink, David L.: See—
Salvesen, Jørgen R., Brink, Diddams, and Owzarski.
- Brink, John G., Evanston, Ill., assignor to Rand, McNally & Company. Closure. 2,437,934, Mar. 16.
- Brinker, Howard C.: See—
Carlton, Richard P., and Brinker.
- Brinkert, Edward J., Hartley, Iowa. Lifting device. 2,454,548, Nov. 23.
- Brinkoeter, Clinton C., assignor to Ed Friedrich, Inc., San Antonio, Tex. Dehydrator for refrigerating systems. 2,449,688, Sept. 21.
- Brinkoeter, Clinton C., assignor to Ed Friedrich, Inc., San Antonio, Tex. Walk-in refrigerator cooled by a forced air circuit. 2,450,109, Sept. 28.
- Brinson, Gaylord A., Moreland, Ind. Round window with revolving sash. 2,448,764, Sept. 7.
- Brinson, R. L., Company, assignee: See—
Fulton, Joel B.
- Brinster, John F.: See—
Nichols, Myron H., and Brinster.
- Briscoe, James W., Los Angeles, Calif. Block molding machine. 2,455,553, Dec. 7.
- Briscoe, Thomas, Coupeville, Wash. Game board. 2,442,194, May 25.
- Briskie, Jerry: See—
Greger, Herbert H., and Remler.
- Briskin, Jack: See—
Briskin, Theodore S. and J., and Golick.
- Briskin, Jack, and J. Golick, assignors to Revere Camera Company, Chicago, Ill. View finder. 2,446,738, Aug. 10.
- Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Blower. 2,440,363, Apr. 27.
- Briskin, Theodore S. and J., and J. Golick, assignors to Revere Camera Company, Chicago, Ill. Electric control device. 2,437,591, Mar. 9.
- Brister, Paul M., Madison, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,637, Jan. 20.
- Bristol Aeroplane Company Limited, The, assignee: See—
Berry, Philip E.
Betterridge, Walter and Gadd.
D'Assis-Fonseca, Evelyn Cecil Muschamp.
Wotton, John.
- Bristol Company, assignee: See—
Blakeslee, Clinton A.
Hicks, James R.
Pattee, John R.
Van Vessel, George E.
Vigmostad, Trygve, and Juul.
- Bristol Company, The, assignee: See—
Abbott, Winfield F.
Beecher, John W.
Bussey, William H.
Chase, Alvin.
Cowherd, Robert D.
Ertzman, William F.
Jacobson, Abraham W., and Whitney.
Mabey, Charles A.
Thynell, Gistave M.
- Bristol, John E.: See—
Hansley, Virgil L., and Bristol.
- Bristol Steel & Iron Works, Inc., assignee: See—
Ferguson, Robert O.
- Bristow, John W., Birmingham, assignor of one-half to A. B. Cole, Jr., Beckenham, England. Lid opener for containers. 2,436,193, Feb. 17.
- Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Pattern mechanism for knitting machines. 2,436,468, Feb. 24.
- Brittain, Cecil E.: See—
Love, Homer, Brittain, Langton, and R. E. and C. E. Van Gundy.
- British Cotton Industry Research Association, The, assignee: See—
Foster, George A. R., and Gregory.
- British Insulated Callender's Cables Limited, assignee: See—
Brazier, Leslie G.
Brazier, Leslie G., and Hollingsworth.
Carsten, Hans R. F., and Thorpe.
Hollingsworth, Douglas T.
- British Oxygen Company Limited, assignee: See—
Godfrey, Robert C.
- British Plaster Board Limited, The, assignee: See—
Ball, Albert P.
Haddon, Cuthbert L.
- British Ropes Limited, assignee: See—
Hitchen, Herbert.
- British Textile Manufacturing Company Limited, assignee: See—
Alexander, Cecil D., and Gibson.
- British Thermostat Company Limited, The, assignee: See—
Sherlock, John E.
- Brittain, Eric H.: See—
Nass, Lawrence.

- Brittain, Frank W.: *See*—
Denhard, Harry W., Brittain, and Serpas.
- Brittain, Louis B., Los Angeles, Calif. Radio control system. 2,447,156, Aug. 17.
- Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Compass follower. 2,455,219, Nov. 30.
- Brittle, David F., Weaverville, N. C. Balsa punch. 2,449,839, Sept. 21.
- Britton, Charles A., assignor of one-third to T. Britton, and one-third to W. C. Cram, Jr., Atlanta, Ga. Bag rack. 2,441,750, May 18.
- Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Liquid organic fumigant containing polystyrene. 2,441,553, May 18.
- Britton, Edgar C., and J. E. Livak, assignors to The Dow Chemical Company, Midland, Mich. Purification of tryptophane. 2,435,125, Jan. 27.
- Britton, Edgar C., Midland, Mich., and J. E. Livak, Clemson, S. C., assignors to The Dow Chemical Company, Midland, Mich. Making 3,6-bis-(beta-hydroxyethyl)-2,5-diketopiperazine. 2,436,739, Feb. 24.
- Britton, Edgar C., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of alkylene glycols. 2,441,793, May 18.
- Britton, Edgar C., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing glycols. 2,441,794, May 18.
- Britton, Edgar C., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of glycols. 2,441,795, May 18.
- Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Process and catalyst for the dehydrogenation of olefines. 2,442,319, May 25.
- Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Dehydrogenation of monoolefins to diolefins catalyzed by calcium nickel phosphate-chromium oxide composite. 2,442,320, May 25.
- Britton, Edgar C., Midland, Mich., and J. N. Hansen, Albert Lea, Minn., assignors to The Dow Chemical Company, Midland, Mich. Sulfonium salts. 2,442,339, June 1.
- Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Calcium-nickel phosphate catalyst and preparation thereof. 2,456,367, Dec. 14.
- Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. Calcium nickel phosphate-chromium oxide catalyst. 2,456,368, Dec. 14.
- Britton, Karl B., Cleveland, Ohio. Gear shifting mechanism. 2,447,730, Aug. 24.
- Britton, Philip S.: *See*—
Wilson, Oran C., and Britton.
- Britton, Taylor, assignee, et al.: *See*—
Britton, Charles A.
- Bryo Arms Factory National Corporation, assignee: *See*—
Koucky, Josef and F.
- Broadbent, John H., Willstown Township, Chester County, assignor to The Union Switch and Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,454,249, Nov. 16.
- Broadway, Leonard F., Ickenham, assignor to Electric & Musical Industries Limited, Hayes, England. Flat beam cathode-ray tube and circuit. 2,439,504, Apr. 13.
- Brock, Arnold E., Burlingame, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Fluid blast arc extinguishing circuit breaker. 2,452,221, Oct. 26.
- Brock, Harold L.: *See*—
Pinardi, Charles P., and Brock.
Roeder, Dale, and Brock.
- Brock, John B., assignee: *See*—
Holt, Marcus L.
- Brock, Joseph L., Arcadia, Calif. Dolly wheel plate. 2,450,539, Oct. 5.
- Brock, William H. J., Leamington Spa, England. Pipe coupling. 2,456,045, Dec. 14.
- Brockley, Jacob, near Newport News, Va. Adjustable T-square head. 2,435,529, Feb. 3.
- Brockman, George, New York, N. Y. Sun suit type of apparel. 2,449,873, Sept. 21.
- Brockman, Morton S., Cleveland, Ohio. Lamp shade. 2,487,292, Mar. 9.
- Brockway, Wilhelm W., Los Angeles, Calif. Wall radio. 2,457,029, Dec. 21.
- Brode, Charles, Scranton, Pa. Trousers. 2,440,573, Apr. 27.
- Brode, Robert B., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Unshorting switch. 2,438,383, Mar. 23.
- Broderick, Ernest N., Detroit, Mich. Sanitary receptacle and supporter. 2,439,683, Apr. 13.
- Broderick, Frederick C., Glencoe, Ill. Hot-water heating system. 2,455,039, Nov. 30.
- Broderick, Frederick C., Glencoe, Ill. Heating system. 2,455,040, Nov. 30.
- Brodheim, Morris, Philadelphia, Pa. Portable refrigerator. 2,454,303, Nov. 23.
- Brodie, James H., New Orleans, La. Landing and launching apparatus for aircraft. 2,435,197, Feb. 3.
- Brodie, Sidney S., New York, N. Y. Indexing device. 2,452,544, Nov. 2.
- Brody, Arthur, Newark, N. J. Protective cover for book jackets. 2,445,871, July 27.
- Brody, Samuel C., assignee: *See*—
Whitmore, Henry G.
- Brody, Samuel C., Newton, Mass. Blast torch. 2,455,220, Nov. 30.
- Brody, Samuel C., Newton, Mass. Blast torch. 2,455,221, Nov. 30.
- Brody, Samuel C., Newton, Mass. Blast torch. 2,455,222, Nov. 30.
- Brody, Samuel C., Newton, Mass. Blast torch perforated combustion burner. 2,455,223, Nov. 30.
- Broecker, Lewis C., Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic torque machine. 2,438,692, Mar. 30.
- Broeg, Charles B., and E. T. Balch, Houma, La., assignors to United States of America as represented by the Secretary of Agriculture. Making refined sugarcane wax. 2,449,107, Sept. 14.
- Broeren, Frank L., Neenah, and N. J. Slye and A. S. Krueger, Green Bay, assignors to Marathon Corporation, Rothschild, Wis. Cabinet for dispensing sheet material. 2,434,194, Jan. 6.
- Broers, Henry J., Powell, Wyo. Attachment for well drilling derricks. 2,439,714, Apr. 13.
- Broga, Wilson C., Westfield, Mass. Ammunition chest. 2,452,545, Nov. 2.
- Brogan, Thomas C., Jr., Philadelphia, Pa. Embalming. 2,456,108, Dec. 14.
- Brogden, Ernest M. and R. R., Savannah, Ga., assignors to President and Director of the Manhattan Company (sometimes known as Bank of the Manhattan Company), trustee, New York, N. Y. Bottle carrier and package. 2,441,134, May 11.
- Brogden, Ronald R.: *See*—
Brogden, Ernest M. and R. R.
- Broggi, Josef, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine plant. 2,441,751, May 18.
- Broido, Daniel, Cockfosters, near Barnet, England. Calculating machine. 2,452,987, Nov. 2.
- Broido, Jacques J., Joinville-le-Pont, and J. Weissbrodt, Paris, France. Shutter control device for moving picture apparatus. 2,445,288, July 13.
- Broll, Harry R., assignor to Fuld Bros., Inc., Baltimore, Md. Self-indicating quaternary ammonium bacteriocidal composition. 2,449,274, Sept. 14.
- Broluska, Amel B., Detroit, Mich. Fluid pressure turbine. 2,454,428, Nov. 23.
- Bromberg, Benjamin, Berkeley, Calif. Placer mining. 2,444,629, July 6.
- Bromley, Mellor and Company Limited, assignee: *See*—
Monk, Samuel A.
- Bromley, William H., Jr., Agawam, assignor to Shawinigan Resins Corporation, Springfield, Mass. Preparing aqueous dispersions of polyvinyl butyral. 2,455,402, Dec. 7.
- Bronander, Wilhelm B., Montclair, N. J. Cooling fin structure for internal-combustion engines. 2,453,567, Nov. 9.
- Bronaugh, Lewis J., Portland, Oreg., and T. I. Potter, New York, assignors to Refrigeration Patents Corporation, Buffalo, N. Y. Refrigerator. Re. 23,058, Dec. 14.
- Brondos, Andrew, Jr.: *See*—
Kubin, Andrew and C., and Brondos.
- Brondyke, Willis F., Mercantown, and J. A. Monier, Jr., Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Conversion of methanol to formaldehyde. 2,436,287, Feb. 17.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing N-arylthiazolinium quaternary salts. 2,441,558, May 18.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes. 2,454,629, Nov. 23.
- Brooker, Leslie G. S., and G. H. Keyes, assignors to Eastman Kodak Company, Rochester, N. Y. Carbocyanine dyes containing a mesocycloalkyl group. 2,441,529, May 11.
- Brooker, Leslie G. S., and G. H. Keyes, assignors to Eastman Kodak Company, Rochester, N. Y. Merocarbocyanine dyes containing a cycloalkyl group on the dimethine chain. 2,441,530, May 11.
- Brooks Bank Note Company, assignee: *See*—
Lambert, Russell A.
- Brooks, Buford M., and L. Mirshak, Dover, N. J. Conveyor belt. 2,443,947, June 22.
- Brooks, Elinor, Califton, N. J. Securing identification tags to seals. 2,452,098, Oct. 26.
- Brooks, Eugene H., Dallas, Tex., assignor to Continental Gin Company. Cotton cleaning apparatus. Re. 23,044, Oct. 19.
- Brooks, Eugene H., Dallas, Tex., assignor to Continental Gin Company. Cotton cleaning apparatus. 2,440,139, Apr. 20.
- Brooks, Harry G., Byhalia, Miss. Mounting for rear-vision mirrors. 2,457,639, Dec. 28.
- Brooks, John W., Wenonah, and J. B. Kirkpatrick, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Purifying a hydrocarbon material containing organic halogen compounds as impurities. 2,435,621, Feb. 10.

- Brooks, Lewis C., Madison, assignor of one-third to I. M. Jones, Mequon, Wis. Hermetically sealed container and method of making the same. 2,434,756, Jan. 20.
- Brooks, Lewis C., Milwaukee, assignor of one-third to I. M. Jones, River Hills, Wis. Consumer type container. 2,450,110, Sept. 28.
- Brooks, Michael K., Portland, Oreg. Safety light. 2,440,842, May 4.
- Brooks, Phillips, Brooklyn, N. Y. Dental root preparation instrument. 2,453,696, Nov. 16.
- Brooks, Richard E.: *See—*
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.
- Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxy-substituted esters. 2,436,286, Feb. 17.
- Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ether esters. 2,449,447, Sept. 14.
- Brooks, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of esters. 2,457,204, Dec. 28.
- Brooks, Thomas E., assignor to Lisle Corporation, Clarinda, Iowa. Filter magnet structure. 2,436,740, Feb. 24.
- Brooks, Tony P., and B. K. Wyatt, Little Rock, Ark., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Mirror hanger. 2,448,077, Aug. 31.
- Brophy, Gerald R., Westfield, and A. J. Miller, Elizabeth, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Steels and structural embodiments thereof for use at low temperatures. 2,451,469, Oct. 19.
- Brosamer, Robert J.: *See—*
Gibbs, Frank C., Jr., Baird, and Brosamer.
- Brose, Horace B. and L. D., Chicago, Ill. Bib. 2,446,689, Aug. 10.
- Brose, Lazetta D.: *See—*
Brose, Horace B. and L. D.
- Brosamer, Robert L., Sacramento, Calif. Oven feeding machine. 2,450,111, Sept. 28.
- Brosius, John, Jr., Seattle, Wash. Stroboscopic projector of the continuously moving film type. 2,456,487, Dec. 14.
- Brossia, Merlin H., Whittier, Calif. Hutch for small livestock. 2,436,095, Feb. 17.
- Brothers, Alvin O., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat transfer device with capillary condensate drain. 2,433,825, Jan. 6.
- Brothers, Frederick C., Los Angeles, Calif. Combined handle means and file guide for saw files. 2,448,702, Sept. 7.
- Broudy, Albert M., Pittsburgh, assignor of one-half to J. R. Snyder, Wilkinsburg, Pa. Toilet stool. 2,438,384, Mar. 23.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,439,715, Apr. 13.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,453,780, Nov. 16.
- Broughton, Harold E., assignor to Chemical Construction Corporation, New York, N. Y. Waste iron sulfate solution recovery. 2,452,517, Oct. 26.
- Broughton, Napoleon L., Charleston, S. C. Tobacco curing stick. 2,434,309, Jan. 13.
- Brouillard, Robert E.: *See—*
Lacey, Harold T.
Lacey, Harold T., and Brouillard.
Scalera, Mario, and Brouillard.
- Brouse, William H. D., assignor to Teleflex Limited, Toronto, Ontario, Canada. Equalizer for cable operated controls. 2,445,997, July 27.
- Brouwer, Benjamin W., Auburn, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Picking cam and mounting therefor. 2,447,795, Aug. 24.
- Brower, Watson C., assignee: *See—*
Brower, William H.
- Brower, William H., assignor of one-half to W. C. Brower, Clark, S. Dak. Air cushion pad for gun stocks. 2,438,142, Mar. 23.
- Brown, Alexander M., Ocean Grove, N. J., assignor of forty per cent to M. D. Pickens, New York, N. Y. Slide fastener. 2,452,899, Nov. 2.
- Brown, Alexander P., Beechhurst, Long Island, N. Y. Piano action. 2,445,512, July 20.
- Brown, Andrew, and T. A. Marshall, assignors, by mesne assignments, to Standard Telephones and Cables Limited, London, England. Electric signaling system. 2,457,121, Dec. 28.
- Brown, Andrew C.: *See—*
Hallett, Ernest G., and Brown.
- Brown, Anthony G., Lakewood, assignor by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electrical coil tester. 2,450,577, Oct. 5.
- Brown, Arthur T., Tucson, Ariz. Lightweight building construction. 2,440,843, May 4.
- Brown, Barremore B.: *See—*
Donal, John S., Jr., Brown, and Cuccia.
- Brown & Bigelow, assignee: *See—*
Gruber, Francis E.
- Brown, Carl A., Aberdeen, Md. Steel tape holder. 2,453,115, Nov. 9.
- Brown, Carl A., Chardon, and F. B. Van Sickle, deceased, by D. M. Van Sickle, administratrix, Cleveland Heights, Ohio, assignors to General Electric Company. Article traying machine. 2,439,883, Apr. 20.
- Brown, Cecil L., Chattanooga, Tenn. Ladder bracket. 2,448,350, Aug. 31.
- Brown, Channing M., El Paso, Tex. Fishing line swivel. 2,448,954, Sept. 7.
- Brown, Charles F., Bethany, W. Va., assignor to United States Rubber Company, New York, N. Y. Preparation of aqueous dispersions of synthetic rubbers. 2,450,578, Oct. 5.
- Brown, Charles F., Bethany, W. Va., assignor to United States Rubber Company, New York, N. Y. Preparation of aqueous dispersions of synthetic rubbers. 2,450,579, Oct. 5.
- Brown, Chester W., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,447,112, Aug. 17.
- Brown, Clarence J. and F. S., assignors of ten per cent to A. R. Kurtz, Hamilton, Mont., and forty per cent to M. Dohn, Bismarck, N. Dak. Cleanout apparatus for drill steel. 2,445,659, July 20.
- Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Mixer valve and control. 2,448,170, Aug. 31.
- Brown, Clyde A., assignor to Dole Valve Company, Chicago, Ill. Means for producing uniform fluid mixtures. 2,449,766, Sept. 21.
- Brown, Curtis, Martinton, and W. F. Parke, Chicago, Ill. Electric hammer. 2,448,210, Aug. 31.
- Brown, Daniel, Burlington, N. J. Fire hose nozzle. 2,457,526, Dec. 28.
- Brown, David C., and W. M. Paige, Detroit, Mich. Apparatus for processing photographic articles. 2,447,684, Aug. 24.
- Brown, Davis, Los Angeles, and J. D. Rossier, Compton, Calif.; said Rossier assignor to said Brown. Sewer pipe off-bearing and finishing machine. 2,451,713, Oct. 19.
- Brown, Doris M., assignee: *See—*
McClintock, Lewis C.
- Brown, Doyes N., Vallejo, Calif. Attachment for mortise machines. 2,439,558, Apr. 13.
- Brown, Edmund K., assignor to The Torrington Company, Torrington, Conn. Double row antifriction bearing. 2,440,435, Apr. 27.
- Brown, Felix E., Bethlehem, Pa. Battery holding device. 2,451,532, Oct. 19.
- Brown Fintube Company, assignee: *See—*
Brown, John W., Jr.
- Brown, Floyd S.: *See—*
Brown, Clarence J. and F. S.
- Brown, Fordyce M.: *See—*
Tuttle, Clifton, Kunz, and Brown.
- Brown, Fordyce M., assignor to Eastman Kodak Company, Rochester, N. Y. Flatness testing apparatus. 2,446,628, Aug. 10.
- Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Cord support. 2,438,143, Mar. 23.
- Brown, Franklin M., assignor of one-half to Glenn Moore, Portland, Oreg. Hand and power operated steering gear. 2,433,826, Jan. 6.
- Brown, George, Cheltenham, Pa. Cord holder. 2,443,223, June 15.
- Brown, George H., Danbury, Conn. Crankcase compression supercharger for engines. 2,434,348, Jan. 13.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Reactance compensation system. 2,439,235, Apr. 6.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,441,615, May 18.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Method of and apparatus for subjecting materials to a radio-frequency field. 2,442,114, May 25.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio-frequency network. 2,454,907, Nov. 30.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,455,403, Dec. 7.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,455,888, Dec. 7.
- Brown, George H., and W. C. Morrison, Princeton, N. J., assignors to Radio Corporation of America. Root mean square voltage measuring circuit. 2,440,004, Apr. 20.
- Brown, George W., Ames, Iowa, assignor to Radio Corporation of America. Automatic solution of linear simultaneous equations. 2,455,974, Dec. 14.
- Brown, George W., Cranbury, and E. A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America. Electronic equation solver. 2,454,549, Nov. 23.
- Brown, Harman R., assignee, et al.: *See—*
Parkhill, Frederic W.
- Brown, Harold, Denver, Colo. Sharpening device. 2,434,141, Jan. 6.
- Brown, Harold A., State College, Mex., and Harry Gollob, El Paso, Tex. Electrically indicating liquid filled manometer. 2,439,770, Apr. 13.
- Brown, Harold J., Indianapolis, Ind., assignor to Electronic Laboratories Incorporated. Vibrating interrupter system. 2,443,675, June 22.

- Brown, Harold J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,447,230, Aug. 17.
- Brown, Harold J., Indianapolis, Ind., assignor to Electronic Laboratories Incorporated. Vibrator regulating system. 2,456,910, Dec. 21.
- Brown, Harry M., Indianapolis, and M. Barron, Anderson; I. Brown, administratrix of said H. M. Brown, deceased, assignor to I. P. Brown, Indianapolis, Ind. Surgical instrument for skin grafting. 2,457,772, Dec. 28.
- Brown, Harry W., assignor to The National Acme Company, Cleveland, Ohio. Cam grinding machine. 2,452,989, Nov. 2.
- Brown, Harry W., and L. Stanzel, Kansas City, Mo. Pastry lifter and container. 2,446,629, Aug. 10.
- Brown, Henry, assignor to The Udyllite Corporation, Detroit, Mich. Electrodeposition of copper. 2,455,554, Dec. 7.
- Brown, Henry, assignor to The Udyllite Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,455,555, Dec. 7.
- Brown, Henry C., Jr.: *See—*
Jennings, Arthur L., and Brown.
- Brown, Henry L., Seattle, Wash. Apron. 2,449,448, Sept. 14.
- Brown, Henry T., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of bead-form catalyst. 2,453,084, Nov. 2.
- Brown, Henry T., Whiting, Ind., and R. V. Shankland, assignors to Standard Oil Company, Chicago, Ill. Preparation of spheroidal catalysts. 2,450,394, Sept. 28.
- Brown, Herbert A.: *See—*
Jackson, Alphonsus L., and Brown.
- Brown Instrument Company, The, assignee: *See—*
Allwein, Aloysius F.
Belcher, Wallace E., Jr.
Booth, John G.
Burdick, Edwin C.
Cherry, Lloyd B.
Clarke, Herbert A.
Ertzman, William F.
Harrison, Thomas R.
Harrison, Thomas R., and Cherry.
Jones, Harry S.
Jordan, Arthur H.
Keegan, James H.
Moore, Coleman B.
Smith, Edgar M.
Tegge, Carlton S.
Vollrath, Joseph P.
Wannamaker, William H., Jr.
Wild, Rudolf F.
Wild, Rudolf F., and Cherry.
Younkin, Gavin S.
- Brown, Irene, administratrix: *See—*
Brown, Harry M., and Barron.
- Brown, James M., Melrose, W. A. Bemis, West Medford, and F. A. Monroe, Jr., Melrose, assignors to Revere Sugar Refinery, Charlestown, Mass. Dextrose syrups. 2,438,033, Mar. 16.
- Brown, James V., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Container for electrical apparatus. 2,454,962, Nov. 30.
- Brown, Jennie, Red Bay, Ala. Blouse. 2,446,209, Aug. 3.
- Brown, John D., Enid, Okla. Work indexing attachment for lathes. 2,452,988, Nov. 2.
- Brown, John P., Croydon, England. Gyroscopic control apparatus for air and other craft. 2,440,713, May 4.
- Brown, John T. L., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plating contact surfaces of magnetic reeds. 2,438,897, Apr. 6.
- Brown, John T. L., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,450,499, Oct. 5.
- Brown, John W., Jr., Lakewood, assignor to Brown Fin-tube Company, Elyria, Ohio. Heat exchanger. 2,449,052, Sept. 14.
- Brown, John W., Jr., Lakewood, assignor to Brown Fin-tube Company Elyria, Ohio. Apparatus for manufacturing finned tubes. 2,449,840, Sept. 21.
- Brown, Kenneth H., Hinsdale, and C. G. Gerhold, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon oil containing mercaptans. 2,437,348, Mar. 9.
- Brown, Kenneth R., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Waxy polyol esters. 2,450,079, Sept. 28.
- Brown, Lawrence S.: *See—*
Newell, William H., and Brown.
- Brown, Lawrence W., Clinton, Mo. Rocket helicopter toy. 2,443,298, June 15.
- Brown, Lawrence W., Clinton, Mo. Helicopter toy rocket and bomb. 2,443,299, June 15.
- Brown, Leo H., Glenville, Conn. Gun aiming post having parabolic reflecting surface. 2,437,677, Mar. 16.
- Brown, Leo H., Glenville, Conn. Multiple reticle collimating gun sight. 2,450,712, Oct. 5.
- Brown, Leo H., Glenville, Conn. Gun sight having a plurality of illuminated reticles. 2,453,697, Nov. 16.
- Brown, Lonnie B.: *See—*
Kunkle, Earl H., and Brown.
- Brown, Louis, and L. Lacey, Camp Wood, Tex. Carrier for aircraft delivery. 2,439,236, Apr. 6.
- Brown, Louis, and L. Lacey, Uvalde, Tex. Double-acting shock absorber. 2,453,966, Nov. 16.
- Brown, Louis B., Duquesne, Pa. Tool holder. 2,449,368, Sept. 14.
- Brown, Malcolm L., Clark Township, Union County, assignor to Merck & Co., Inc., Rahway, N. J. Purification of vitamin B₆. 2,442,677, June 1.
- Brown, Morris, San Diego, Calif. Riveting tool. 2,451,063, Oct. 12.
- Brown, Morris C., Richmond Heights, assignor to Carter Carburetor Corporation, St. Louis, Mo. Manifold heat valve control. 2,437,724, Mar. 16.
- Brown, Morris E., and N. F. Lehr, assignors to Eastman Kodak Company, Rochester, N. Y. Multiple and individual shutter releases for power-driven motion-picture cameras. 2,453,301, Nov. 9.
- Brown, Myron J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic and manual control system for circuit breakers. 2,439,920, Apr. 20.
- Brown, Nathan J., Barrington, Ill. Reticulately puckered laminated plastic sheet. 2,440,039, Apr. 20.
- Brown, Paul F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Oscillating system. 2,454,132, Nov. 16.
- Brown, Percy F., Greece, assignor to James Cunningham, Son & Company, Rochester, N. Y. Reciprocating feeder attachment for power mower sickle bars. 2,448,078, Aug. 31.
- Brown, Preston, Selma, Ala. Welding rod holder. 2,438,990, Apr. 6.
- Brown, Raymond H., New Hartford, assignor to The Torrington Manufacturing Co., Torrington, Conn. Centrifugal blower housing. 2,456,488, Dec. 14.
- Brown, Reeve J., Brooklyn, N. Y. Novelty wall bird cage. 2,445,419, July 20.
- Brown, Richard E., South Euclid, assignor to Air-Maze Corporation, Cleveland, Ohio. Dust separator and filter. 2,437,592, Mar. 9.
- Brown, Robert O.: *See—*
Harrel, Chastain G., and Brown.
- Brown, Robinson W., Oklahoma City, Okla., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Bearing for rock bits. 2,444,724, July 6.
- Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Landing gear and brake for aircraft. 2,435,465, Feb. 3.
- Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber spring. 2,445,723, July 20.
- Brown, Samuel J. and S. R., West Point, Ky. Dish washing and drying machine. 2,445,707, July 20.
- Brown, Samuel R.: *See—*
Brown, Samuel J. and S. R.
- Brown Service Funeral Homes Company, Inc., assignee: *See—*
Lackey, Rufus M.
- Brown and Sharpe Manufacturing Company, assignee: *See—*
Twamley, William E.
Weimar, Hans C.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Resiliently mounted cultivator tool. 2,439,921, Apr. 20.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor cultivator. 2,449,159, Sept. 14.
- Brown, Thomas B., Arlington, Va. Electrical hook-on meter system. 2,440,244, Apr. 27.
- Brown, Thomas W., Framingham, assignor to Lombard Governor Corporation, Ashland, Mass. Combined tachometer and accelerometer. 2,444,630, July 6.
- Brown, W. R., Corporation, assignee: *See—*
Brown, William R.
- Brown, Walter J.: *See—*
Crowther, Cecil R., and Brown.
Williams, Alfred L. W. and Brown.
- Brown, Wilbur F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Absorption glasses. 2,444,976, July 13.
- Brown, William, assignor to Sturmev-Archer Gears Limited, Nottingham, England. Epicyclic variable-speed gearing. 2,441,989, May 25.
- Brown, William A., Mount Lebanon, Pa., and F. S. Kleeman, Lakewood, Ohio, assignors to The Carborundum Company, Niagara Falls, N. Y. Steel metallurgy. 2,444,424, July 6.
- Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Space discharge device. 2,437,240, Mar. 9.
- Brown, William E.: *See—*
Davis, Clyde W., Dirstine, and Brown.
Heltz, Robert G., and Brown.
- Brown, William F., Crescent, Okla. Deep well pumping unit. 2,441,256, May 11.
- Brown, William F., Flushing, N. Y. Beverage package and apparatus. 2,451,195, Oct. 12.
- Brown, William H. and W. S., Bedford, Ohio. Christmas tree holder. 2,455,404, Dec. 7.

- Brown, William R., assignor to W. R. Brown Corporation, Chicago, Ill. Valve structure. 2,451,799, Oct. 19.
- Brown, William S.: *See—*
- Brown, William H. and W. S.
- Brown, William V., Flushing, and E. H. Drew, Amityville, N. Y., assignors to Republic Aviation Corporation. Camera drive. 2,441,185, May 11.
- Browne, Frank E., Upper Darby, Pa. Coated welding electrode. 2,435,198, Feb. 8.
- Browne, Kenneth A., Lakewood, Ohio, assignor to Wright Aeronautical Corporation. Multiple thermocouple arrangements. 2,455,654, Dec. 7.
- Browne, Lindsay A., Westport, Conn., assignor to American Brake Shoe Company. Check valve. 2,446,571, Aug. 10.
- Browne, Stewart R., Brooklyn, assignor to Stewart R. Browne Mfg. Co. Inc., New York, N. Y. Lamp support. 2,453,967, Nov. 16.
- Browne, Stewart R., Mfg. Co. Inc., assignee: *See—*
- Browne, Stewart R.
- Browne, Thomas E., Jr.: *See—*
- Browne, Albert P., and Browne.
- Browne, Thomas E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical gauge circuits. 2,434,547, Jan. 13.
- Browning, John N., assignor to Browning Manufacturing Company, Inc., Maysville, Ky. Bushing. 2,441,467, May 11.
- Browning, Kenneth W., Murray, Utah. Window and blind construction. 2,434,786, Jan. 20.
- Browning Laboratories, Inc., assignee: *See—*
- Cann, Arthur F.
- Browning, Leander, Greenwood, Ind. Trigger mechanism. 2,448,765, Sept. 7.
- Browning Manufacturing Company, Inc., assignee: *See—*
- Browning, John N.
- Brownlee, Allen L.: *See—*
- Alstrom, Albert L., and Brownlee.
- Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Ignition apparatus. 2,433,887, Jan. 6.
- Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Distributor. 2,433,888, Jan. 6.
- Brownlee, Dalmat T., assignor to Chas. Drexler Co., Inc., Indianapolis, Ind. Power transmission system. 2,452,178, Oct. 26.
- Brownscombe, Philip J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Speed indicator. 2,441,468, May 11.
- Brownsey, Oscar, assignor to U. S. Shicing Machine Company, La Porte, Ind. Cleaning tool for food tendering machines. 2,437,069, Mar. 2.
- Brownson, George T., Philadelphia, assignor to J. J. Duffy, Yeadon, Pa. Burial dress support. 2,452,353, Oct. 26.
- Brownner, Nelson R., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. Re. 23,018, July 27.
- Browner, Inc., assignee: *See—*
- Harvuot, Frank B.
- Broxon, James W., and W. P. Jesse, Chicago, Ill., assignors, to the United States of America, as represented by the United States Atomic Energy Commission. Differential ion chamber. 2,440,167, Apr. 20.
- Brozek, Lawrence, Jackson Heights, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fastener. 2,450,779, Oct. 5.
- Brubaker, George P., Los Angeles, Calif., assignor, by mesne assignments, to Dictophone Corporation, New York, N. Y. Combination phonograph recording and reproducing mechanism. 2,455,466, Dec. 7.
- Brubaker, Luella E., Elkhart, Ind. Portable food cabinet. 2,441,345, May 11.
- Bruce, David S.: *See—*
- Bohlman, Walter S., and Bruce.
- Bruce, Donald S., and H. L. Heise, assignors to Gummed Products Company, Troy, Ohio. Adhesive of water remoltenable type from lignin sulfonic acid and polyvinyl alcohol. 2,443,889, June 22.
- Bruce, E. L., Company, assignee: *See—*
- Partee, Watkins W., and Gray.
- Bruce, Edmund, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,457,527, Dec. 28.
- Bruce, Ernest G.: *See—*
- Watter, Michael, and Bruce.
- Bruce, Ivy, assignee: *See—*
- Roberts, James H.
- Bruce, John N.: *See—*
- Mouldsdaie, Andrew G., and Bruce.
- Bruce, Lawrence Richard, Incorporated, assignee: *See—*
- Michaels, Edwin B., and Lustig.
- Bruce, Warren R., Portland, Oreg. Power plant. 2,443,948, June 22.
- Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Method and apparatus for measuring permeability. 2,448,955, Sept. 7.
- Bruce, William F., Penfield, Upper Darby, assignor to Wyeth Incorporated, Philadelphia, Pa. Disubstituted acetamidyl derivatives of amino-quinolines. 2,456,911, Dec. 21.
- Bruce, William F., Havertown, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamides. 2,449,638, Sept. 21.
- Bruce, William H., and D. W. Erskine, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Steering by driving control mechanism. 2,444,279, June 29.
- Bruck, Michael, assignor, by mesne assignments, to R. Frankfield, New York, N. Y. Board game device. 2,451,196, Oct. 12.
- Bruckner, Edward K., New York, N. Y. Orthopedic insole. 2,447,251, Aug. 17.
- Brucksch, William F., Jr.: *See—*
- Howland, Louis H., and Brucksch.
- Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Apparatus for bending metal strips edgewise in making helical fins. 2,437,500, Mar. 9.
- Bruen, George C., Chicago, Ill., and K. H. Miller, North Canton, assignors to Diebold Incorporated, Canton, Ohio. Rotary card index. 2,441,684, May 18.
- Bruen, Sophie E., assignee: *See—*
- Nightingale, William J.
- Bruestle, Carl O., Rahway, assignor to Syncro Machine Company, Perth Amboy, N. J. Tubular reel strander. 2,445,261, July 13.
- Bruestle, Carl O., Rahway, N. J., assignor to Borg-Warner Corporation, Chicago, Ill. Tension device. 2,445,600, July 20.
- Bruestle, Carl O., Rahway, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Electric treadle. 2,445,660, July 20.
- Bruestle, Carl O., Rahway, assignor to Syncro Machine Company, Perth Amboy, N. J. Taping head for cable insulating machine. 2,447,841, Aug. 24.
- Brügger, Albert, Horgen, Switzerland. Thread tension arrangements in textile machines. 2,438,034, Mar. 16.
- Brühlmann, Gottfried, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,441,943, May 18.
- Brull, Eugene C., Forest Park, Ill., deceased; E. E. Brull, administrator. Cream whipper. 2,444,897, July 6.
- Brull, Eugene E., administrator: *See—*
- Brull, Eugene C.
- Brulport, George E., Rossmoyne, Ohio. Screw driver conditioner. 2,439,839, Apr. 20.
- Brumby, Arnoldus S.: *See—*
- Fontaine, John P. K., and Brumby.
- Norman, Noah M., and Brumby.
- Brumhill, Claude W., assignor to The Imperial Typewriter Company Limited, Leicester, England. Producing duplicative master sheets in typewriting and like machines. 2,452,099, Oct. 26.
- Brumhill, Claude W., Leicester, and A. Pateman, Rothley, assignors to The Imperial Typewriter Company Limited, Leicester, England. End thrust type bar action for typewriting machines. 2,437,804, Mar. 16.
- Brun, Euphrosine A., assignee, et al.: *See—*
- Brun, Prudent.
- Brun, Prudent, assignor of one-fourth to E. A. Brun, Royalton, and one-fourth to W. Y. Henning, St. Cloud, Minn. Internal combustion engine. 2,443,890, June 22.
- Brundage, James W., assignor to The Akron Standard Mold Company, Akron, Ohio. Press. 2,443,573, June 15.
- Brundy Engineering Company, Inc., assignee: *See—*
- Bonwitt, Wilhelm F.
- Brunner-Ritter, Inc., assignee: *See—*
- Mauch, Willy.
- Brunner, Walter M.: *See—*
- Gresham, William F., Brooks, and Bruner.
- Bruning, Charles, Company, assignee: *See—*
- Johnston, Derland.
- Bruning, Charles, Company, Inc., assignee: *See—*
- Streich, Paul B.
- Bruning, Herman W., New York, N. Y. Container with removable latching device and individually releasable flaps. 2,443,702, June 22.
- Bruning, James M., Mount Vernon, Wash. Machine for the automatic cooling and heating of baby bottles and food. 2,449,874, Sept. 21.
- Brunner, Eugene M., El Cerrito, and E. S. Mardock, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Radiological measurement of the permeability of porous media. 2,437,935, Mar. 16.
- Brunner Manufacturing Company, assignee: *See—*
- Hirsch, Sylvan R.
- Brunner, Reed R., deceased, Baltimore, Md., by Seismograph Service Corporation, Tulsa, Okla., assignee. Radio beacon. Re. 23,050, Nov. 23.
- Bruno, Samuel J., Belleville, assignor to The Thomas Wright Co., Inc., Jersey City, N. J. Safety device for dumping vehicles. 2,440,325, Apr. 27.
- Brunow, George F.: *See—*
- Whitehurst, Graham, and Slater, and Bruno, Hubbard, and Krawitz.
- Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Electric circuit. 2,438,535, Mar. 30.
- Brunsing, Rex L., San Francisco, Calif. Refrigerating system using dry ice and including a secondary heat exchange circuit. 2,450,713, Oct. 5.
- Brunson, A. N., assignee: *See—*
- Bengert, Edgar F.

- Brunswick-Balke-Collender Company, The**, assignee: *See*—
Erbach, Lawrence F., and Riedi.
- Bruntli, Irwin M.**, Bridgeport, and **E. F. Reihman**, Fairfield, Conn., assignors to General Electric Company. Ultra high frequency oscillator. 2,453,489, Nov. 9.
- Brush, Abbott P.**, Greenwich, Conn. Tapped fastener. 2,448,351, Aug. 31.
- Brush Development Company, The**, assignee: *See*—
Begun, Semi J.
Begun, Semi Joseph.
Bokeny, Geza J.
Gravley, Charles K.
Jaffe, Hans.
Kjellgren, Bengt R. F.
Massa, Frank.
Robinson, Arthur M.
Surmatis, Joseph D.
Williams, Alfred L. W., and Begun.
Williams, Alfred L. W., and Christian.
- Brush, Harold F.**, Hoboken, N. J. Shoe tree with desiccant. 2,446,904, Aug. 10.
- Brushaber, Herman J.**, deceased, Milwaukee, Wis.; **R. E. Brushaber**, executor. Conduit fitting. 2,454,767, Nov. 30.
- Brushaber, Ralph E.**, executor: *See*—
Brushaber, Herman J.
- Brunson, Herman A.**, Rydal, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Addition products of acrylonitrile and aryl sulfones and preparing same. 2,435,552, Feb. 3.
- Brunson, Herman A.**, Rydal, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoalkyl ethers of polyhydric alcohols. 2,437,905, Mar. 16.
- Brunson, Herman A.**, Rydal, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dihydronordicyclopentadienyl-substituted formal. 2,444,090, June 29.
- Brunson, Herman A.**, and **W. D. Niederhauser**, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Dimeric octadecadienonitrile. 2,435,553, Feb. 3.
- Brunson, Herman A.**, and **T. W. Riener**, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylated formal and their preparation. 2,435,869, Feb. 10.
- Brunson, Herman A.**, Rydal, and **W. D. Niederhauser**, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyanoethylation of carbonylic compounds. 2,437,906, Mar. 16.
- Brunson, Herman A.**, Rydal, and **W. D. Niederhauser**, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Addition products of acrylonitrile and drying oil acids and esters. 2,440,140, Apr. 20.
- Brunson, Herman A.**, Rydal, and **T. W. Riener**, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company. Cyclic ether. 2,440,220, Apr. 20.
- Brunson, Herman A.**, Rydal, and **W. D. Niederhauser**, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Addition products from acrylic esters. 2,452,029, Oct. 26.
- Brunson, Herman A.**, Rydal, and **W. D. Niederhauser**, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Hydroxycarboxylic acid. 2,457,640, Dec. 28.
- Brusse, Archie B.**, assignor to Rocky Mountain Metal Products Co., Denver, Colo. Buccal tube for orthodontia. 2,455,916, Dec. 14.
- Brusset, Jean A.**, Blairmore, Alberta, Canada, assignor to McNally Pittsburg Manufacturing Corporation, Pittsburg, Kans. Finely divided crystalline limestone in heavy fluid for float-and-sink concentration. 2,440,005, Apr. 20.
- Brusset, Jean A.**, Blairmore, Alberta, Canada. Pulsating pneumatic stratifier. 2,449,582, Sept. 21.
- Brustowsky, Morris**, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind. Switch control means for slicing machines. 2,456,369, Dec. 14.
- Brunton, Robert L.**: *See*—
Stegall, Wilbur D., Brunton, and Barton.
- Bruun, Johannes H.**, Swarthmore, and **J. H. Perrine**, Prospect Park, assignors to Sun Oil Company, Philadelphia, Pa. Esterification. 2,443,093, June 8.
- Bruun, Otto J.**, Stoke Poges, England. Securing the nozzle portion to the body portion of collapsible tubular containers. 2,434,832, Jan. 20.
- Bryan, John W.**, Traphill, N. C. Repeating electric fuse. 2,446,739, Aug. 10.
- Bryan, Rochelle D.**, Glenmore, La. Pipe wrench having a pivoted and adjustable outer jaw. 2,455,041, Nov. 30.
- Bryant Chucking Grinder Company**, assignee: *See*—
Arms, Merton H., and Barnard.
Cornell, Elton S.
Day, Bernard C., and Arms.
Green, Glenn M.
- Bryant, Corwin W.**, Downers Grove, assignor to Crane Co., Chicago, Ill. Flexible valve stem drive. 2,452,428, Oct. 26.
- Bryant Electric Company, The**, assignee: *See*—
Hodgkins, Charles H.
Webster, Benjamin C.
- Bryant, Harold W.**, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl carboxylate polymerization using a thiourea stopper. 2,453,655, Nov. 9.
- Bryant Heater Company**, assignee: *See*—
Higley, Frank R.
Higley, Frank R., and Ryden.
Schlachter, Otto E.
- Bryant, Herbert W.**, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Moisture impervious vent. 2,453,192, Nov. 9.
- Bryant, Leland A.**, Beverly Hills, assignor of one-half to **J. F. Sullivan**, Los Angeles, Calif. Master tooling dock. 2,433,889, Jan. 6.
- Bryant, Leslie E.**, assignor to Nye-Wait Company, Inc., Auburn, N. Y. Portable loom creel and adjusting means therefor. 2,437,070, Mar. 2.
- Bryant, Newton W.**, Chatham, E. E. Crump, East Orange, M. R. Dungan, Chatham, and **J. Strand**, Morris Plains, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Range measurement. 2,446,630, Aug. 10.
- Bryant, Ozo N.**, Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,440,844, May 4.
- Bryers, Harvey A.**, Dayton, Ohio. Antenna support and feed through. 2,434,638, Jan. 20.
- Bryn, John G.**, New York, N. Y. Garment hanger. 2,434,142, Jan. 6.
- Bryson, Dorothy S. T.**: *See*—
Levy, Norman S., and Bryson.
- Bryson, Newall M.**, assignor to Pallet Engineering Company, San Francisco, Calif. Bridge ramp. 2,452,222, Oct. 26.
- Bryson, Newall M.**, assignor to Pallet Engineering Company, San Francisco, Calif. Bridge ramp. 2,452,289, Oct. 26.
- Bubb, Frank W.**, Webster Groves, Mo., and **A. L. D. d'Adrian**, Godfrey, Ill., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Magneto-optic light rotator. 2,442,396, June 1.
- Buc, George L.**: *See*—
Stearns, Edwin L., Jr., and Buc.
- Buc, George L.**, Orange, and **E. I. Stearns, Jr.**, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometer for the measurement of bronze. 2,435,175, Jan. 27.
- Buc, George L.**, Orange, and **E. I. Stearns, Jr.**, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometers for the measurement of bronze. 2,435,176, Jan. 27.
- Buc, Saul R.**, and **J. H. Ford**, assignors to The Upjohn Company, Kalamazoo, Mich. Preparation of β -amino-propionitrile. 2,448,013, Aug. 31.
- Buchanan Electrical Products Corporation**, assignee: *See*—
Buchanan, Stephen N., and Breen.
- Buchanan, J. D.**, assignee: *See*—
Walters, Daniel W.
- Buchanan, J. D.**, Burbank, Calif. Hydraulic booster. 2,442,916, June 8.
- Buchanan, Russell B.**, Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Arresting hook device for grounded aircraft pilot trainers. 2,451,609, Oct. 19.
- Buchanan, Stephen N.**, Westmoreland Hills, Md., and **O. J. Breen**, East Greenbush, N. Y., assignors to Buchanan Electrical Products Corporation, Elizabeth, N. J. Lock plug receptacle. 2,441,393, May 11.
- Buchanan, Stephen N.**, Westmoreland Hills, Md., and **S. L. Gibson**, Bryson City, N. C.; said Buchanan assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Adjustable support. 2,442,340, June 1.
- Buchanan, Stephen N.**, Westmoreland Hills, Md., and **O. J. Breen**, East Greenbush, N. Y., assignors to Buchanan Electrical Products Corporation. Terminal clip for electrical conductors. 2,451,800, Oct. 19.
- Buchanan, William K.**, Edinburgh, Scotland, and **W. Simpson**, Manchester, England, assignors, by mesne assignments, to General Electric Company. Preparation of anhydrous ether. 2,446,408, Aug. 3.
- Bucher, Francis X.**: *See*—
Mumma, Robert E., and Bucher.
- Bucher, Max**, assignee: *See*—
Florjancic, Peter, and Boral.
- Buchet, Conrad R.**, Pasadena, Calif., assignor of three-fourths to **B. F. B. Engineers**, Incorporated, and one-fourth to **M. H. Lees, Jr.** Rivet stem puller and cutter. 2,438,201, Mar. 23.
- Buchet, Conrad R.**, assignor of one-half to **M. H. Lees, Jr.**, Pasadena, Calif. Multirotor helicopter with tiltable rotors. 2,452,726, Nov. 2.
- Buchholz, Arnold R.**: *See*—
Quirk, Earl W., and Buchholz.
- Buchhorn, Robert H.**, Texas City, Tex. Attachment to geometrical instrument. 2,454,133, Nov. 16.
- Buchi, Alfred**, assignee: *See*—
Fullermann, Johann.
- Buchler, Ernest**, Sunnyside, Long Island, assignor to Arkay Infants Wear, Inc., New York, N. Y. Garment. 2,450,631, Oct. 5.

- Buchmann, Abe, assignee, et al.: *See*—
Carter, Albert C.
- Buchmann, Abe, Cincinnati, Ohio. Toy. 2,451,801, Oct. 19.
- Büchner, J. C. A.: *See*—
Wechsberg, Raoul.
- Buchwalter, Louise, Hallsville, Ohio, and G. G. Harvey, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,455,224, Nov. 30.
- Buck, Everett S., Fort Wayne, Ind. Ventilating air distributor. 2,433,981, Jan. 6.
- Buck, Leo F., Camden, N. J. Repair patch for garment pockets. 2,436,879, Mar. 2.
- Buck, Mortimer F., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Producing electrodeposited nickel strip containing boron. 2,456,370, Dec. 14.
- Buck, Richard S., Glastonbury, and A. Kalitinsky, Eagleville, assignors to United Aircraft Corporation, East Hartford, Conn. Turbine cooling. 2,434,901, Jan. 27.
- Buck, Richard S., Glastonbury, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Turbine bearing construction. 2,439,447, Apr. 13.
- Buck, Robert E.: *See*—
Mottorn, Hugh H., and Buck.
- Buckbee, John A., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Color television system. 2,438,269, Mar. 23.
- Buckbee-Mears Company, assignee: *See*—
Mears, Norman B.
- Buckendale, Lawrence R., and Holsapple.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Resilient torsion rod suspension for tandem axle vehicles. 2,435,199, Feb. 3.
- Buckendale, Lawrence R., Detroit, Mich. Vehicle driving mechanism. 2,437,678, Mar. 16.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power-transmitting mechanism. 2,445,760, July 27.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Dual engine vehicle cooling system. 2,448,014, Aug. 31.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle suspension. 2,453,116, Nov. 9.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle suspension. 2,453,117, Nov. 9.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Interchangeable front and rear drive axle. 2,456,616, Dec. 21.
- Buckendale, Lawrence R., and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle brake. 2,435,955, Feb. 17.
- Buckendale, Lawrence R., Detroit, Mich., and B. W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. 2,449,546, Sept. 21.
- Buckendale, Lawrence R., and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Friction coupling device. 2,454,271, Nov. 23.
- Buckeye Laboratories Corporation, The, assignee: *See*—
Egger, Charles J., and Webster.
- Buckeye Steel Castings Company, The, assignee: *See*—
Schrock, Eugene B.
- Buckholdt, Robert E., assignor to The Salem Engineering Company, Salem, Ohio. Heat exchanger. 2,445,471, July 20.
- Buckholdt, Robert E., assignor to The Salem Engineering Company, Salem, Ohio. Quenching and conveying apparatus. 2,450,112, Sept. 28.
- Buckingham, William D., and C. R. Deibert, Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Concentrated arc discharge device. 2,453,118, Nov. 9.
- Bucklen, Herbert E., III, assignor to Durakool, Inc., Elkhart, Ind. Electrode mounting means for mercury switches and relays. 2,450,780, Oct. 5.
- Buckley, Gerard D., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. Nitrosulfones. 2,447,974, Aug. 24.
- Buckley, John, Georgetown, Colo. Vehicle anchor device. 2,451,470, Oct. 19.
- Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Fully automatic desurfacing control. 2,448,657, Sept. 7.
- Bucknell, Ernest H., and R. E. Bletcher, assignors of ten percent to R. E. Bletcher, twelve and one-half percent to E. H. Bucknell, twelve and one-half percent to M. Bucknell, ten percent to P. W. Bletcher, twenty-five percent to M. B. Liston, ten percent to J. H. Bletcher, ten percent to H. B. Skinner, and ten percent to C. R. B. Robinson, Los Angeles, Calif. Faucet valve element. 2,452,354, Oct. 26.
- Bucknell, Mabel, assignee et al.: *See*—
Bucknell, Ernest H., and Bletcher.
- Buckner, Cecil C., Grosse Pointe Park, Mich. Fluid pump. 2,439,448, Apr. 13.
- Buckner, Cecil C., Grosse Pointe Park, Mich. Fluid pump. 2,456,109, Dec. 14.
- Buckthal, Elmer P., Brookfield, assignor to United Air Lines, Inc., Chicago, Ill. Method and apparatus for indicating potential gradients. 2,454,630, Nov. 23.
- Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive eccentric crankpin bearing. 2,439,284, Apr. 6.
- Bucy, Perl L., Oklahoma City, Okla. Vibration and massage apparatus. 2,441,394, May 11.
- Bucy, Roy T.: *See*—
Lotts, Delbert L., Bucy, and Waldron.
- Bucyrus Erie Company: *See*—
Mork, George W.
- Bucyrus Erie Company, assignee: *See*—
Thornburg, Herbert W.
- Budan, Herman W., Los Angeles, Calif. Milk bottle cap. 2,434,787, Jan. 20.
- Budd Company, The, assignee: *See*—
Callender, Edwin M.
- Callender, Edwin M., and Phair.
- Eksergian, Carolus L.
- Eksergian, Carolus L., and Gaenssle.
- Eksergian, Carolus L., Temple, and Horle.
- Gaenssle, Paul W.
- Hochreiter, Edward.
- Meissner, Clarence E.
- Pond, Clarke P.
- Somes, Howard E.
- Sweeney, Edward J.
- Tarbox, John P.
- Tarbox, John P., and Callender.
- Temple, Robert B.
- Therault, Raymond J.
- Van Sciver, Herbert D., II.
- Watter, Michael.
- Watter, Michael, and Bruce.
- Weightman, William A.
- Budway, Louis, assignee, et al.: *See*—
Edwards, Lewis E.
- Budzinski, Joseph, Kenosha, Wis. Cable eye and splicing the same. 2,454,592, Nov. 23.
- Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Dagger stop for looms. 2,451,914, Oct. 19.
- Buebel, Edgar W., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for grinding bushings on centerless grinders. 2,443,719, June 22.
- Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Pressure sheeting of dough. 2,456,371, Dec. 14.
- Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Method of rolling baking dough. 2,456,372, Dec. 14.
- Buehl, Walter M., and C. B. Shepherd, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas generator. 2,455,975, Dec. 14.
- Buehler, Allan M., assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Closure for hoppers and the like. 2,435,670, Feb. 10.
- Buehler, Allan M., assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Feeding mechanism for agricultural machines. 2,454,304, Nov. 23.
- Buehler, Walter, assignor to Economy Pumps, Inc., Hamilton, Ohio. Pump with rotary casing. 2,436,034, Feb. 17.
- Buell, Charles K., and C. F. Weinaug, Borger, Tex., assignors to Phillips Petroleum Company. Furfural recovery. 2,436,502, Feb. 24.
- Buell Engineering Company, Incorporated, assignee: *See*—
Dohrmann, Henry C.
- Buell, Lewis W.: *See*—
Bolesky, John D., and Buell.
- Buena Vista Iron Company, assignee: *See*—
Worthen, Eugene P., Barbour and Putnam.
- Buente, Willard H., and H. L. Dunker, Pittsburgh, Pa. Phonograph. 2,442,887, June 8.
- Buerschaper, Robert A., assignor to Taylor Instrument Companies, Rochester, N. Y. Electropneumatic tachometer. 2,443,891, June 22.
- Buescher Band Instrument Co., assignee: *See*—
Comer, Floyd E.
- Buffalo Ankerite Gold Mines, Ltd., assignee: *See*—
Kinkel, Revere P.
- Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhauser.
- Hyatt, Harlow G., and Shanley.
- Kuoch, Robert, and Shanley.
- Shanley, Edward S., and Hyatt.
- Shanley, Edward S., and Kauffmann.
- Buffalo Forge Company, assignee: *See*—
Tucker, William C.
- Buffalo-Springfield Roller Co., The, assignee: *See*—
Greiner, Carl F.
- Harrison, John F., and Greiner.
- Buffham, Robert C., Racine, Wis. Absorbent drip pad for toilet tanks. 2,451,714, Oct. 19.
- Buffington, Malcolm R., Millburn, N. J. Stabilized aqueous rubber dispersions. 2,442,341, June 1.
- Buffington, Marvin A., Cleveland, Ohio. Electroencephalograph electrode coordinator. 2,439,559, Apr. 13.

- Buflap, Carl A., Spring Garden Township, York County, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Adjustable bridle sling. 2,436,247, Feb. 17.
- Bufum, Donald C.: *See*—
Van Winkle, Delbert M., and Bufum.
- Buffum, Jesse H., Boston, Mass. Play slider. 2,446,905, Aug. 10.
- Bugatti, Ettore, Paris, France. Spindle for milling machines. 2,434,639, Jan. 20.
- Bugatti, Ettore, Paris, France. Machine for cutting and chamfering metal sheets. 2,439,794, Apr. 20.
- Bugatti, Ettore, Paris, France. Milling machine. 2,449,449, Sept. 14.
- Bugatti, Ettore, Paris, France. Mounting of grinding wheels, especially on grinding machines. 2,451,658, Oct. 19.
- Bugatti, Ettore, Paris, France. Machine for bending and shaping rolled irons and the like. 2,454,429, Nov. 23.
- Bugatti, Ettore, Paris, France. Grinding machine and footstock thereof. 2,456,252, Dec. 14.
- Bugatti, Ettore, Paris, France. Chuck. 2,457,030, Dec. 21.
- Bugg, Kenly C., Fort Wayne, Ind. Fastener. 2,440,074, Apr. 20.
- Buggie, H. H., & Company, assignee: *See*—
Sprigg, Edward A.
- Buhman, Conrad J., and L. E. Mendel, assignors to Criffen and Sexton Company, Chicago, Ill. Stove. 2,438,035, Mar. 16.
- Builders Iron Foundry, assignee: *See*—
Smith, Marsden C.
- Buis, Marinus, Whithy, and D. M. Samuel, Chester, England, assignors to Shell Development Company, San Francisco, Calif. Surface active compositions. 2,434,683, Jan. 20.
- Bujak, Jakub: *See*—
Green, George W. A., Bujak, and Rutherford.
- Buker, Edward, Tarpon Springs, Fla., assignor to Coach & Car Equipment Corporation, Chicago, Ill. Reversible seat. 2,446,906, Aug. 10.
- Bulbulian, Arthur H.: *See*—
Boothby, Walter M., Bulbulian, and Lovelace.
- Bulgarini, Luis: *See*—
De Olariaga, Sara M. I., Bulgarini, and Forster.
- Bull, Cabot S., Hillington, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Damping circuit embodying electron discharge devices of the velocity modulation type. 2,446,572, Aug. 10.
- Bull, Cabot S., Hillington, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric transforming arrangement. 2,457,528, Dec. 28.
- Bull, Joseph H.: *See*—
Strang, John M., and Bull.
- Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.
Lobdell, Franklin H.
- Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Rack and pinion gear means. 2,453,656, Nov. 9.
- Bullard, Edwin F.: *See*—
McAllister, Sumner H., and Bullard.
- Bullard, W. Irving, Charlotte, N. C., assignor to E. H. Jacobs Mfg. Co. Inc., Danielson, Conn. Adjustable lug strap. 2,436,353, Feb. 17.
- Bullen, Clark V., and C. J. Anderson, assignors to Barber-Coleman Company, Rockford, Ill. Relay. 2,443,784, June 22.
- Bullerjahn, Adolph D.: *See*—
Johnson, Bruce W., and Bullerjahn.
- Bullock, Earle C., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Drawer pull. 2,438,871, Mar. 30.
- Bullock, Harry L.: *See*—
Smith, Carlos B., and Bullock.
- Bullock, Percy Wynne, South Pasadena, Calif. Photographic process for producing line images. 2,438,494, Mar. 30.
- Bulova Watch Company, assignee: *See*—
Burgbacher, John C.
- Bulova Watch Company, Inc., assignee: *See*—
Beeh, Louis.
- Bumgarner, Lester M., Port Townsend, Wash. Nonrefillable bottle. 2,447,484, Aug. 24.
- Bundren, Harry E., and V. A. Vicksell, Kansas City, Mo. Safety window lock. 2,456,766, Dec. 21.
- Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.
- Bunker, Vincent W., assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich. Grinder speed control. 2,454,988, Nov. 30.
- Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine. 2,451,197, Oct. 12.
- Bunn, D. H., Company, assignee: *See*—
Bunn, Benjamin H.
- Bunn, Fred H., Westfield, N. J., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Wax treatment of uncured rubber goods. 2,457,641, Dec. 28.
- Bunn, George P., Bartlesville, Okla., and H. J. Pankratz, Borger, Tex., assignors to Phillips Petroleum Company. Expansion joint for high temperatures. 2,438,312, Mar. 23.
- Bunten, Claude L., Rawlins, Wyo. Device for transporting and launching boats. 2,442,071, May 25.
- Bunten, Oliver J., Cambridge, Mass. Door lock bolt. 2,448,415, Aug. 31.
- Bunting, Albert L., Dearborn, Mich. Chemical conversion of salt containing solutions. 2,452,179, Oct. 26.
- Bunting, Ernest V.: *See*—
Chambers, John M., and Bunting.
- Bunting, Ernest V., assignor to Harry Ferguson, Inc., Dearborn, Mich. Implement control means for tractor mounted agricultural implements. 2,455,727, Dec. 7.
- Bunting Glider Company, assignee: *See*—
Goldberg, Aaron S.
- Bunyar, Benn A., Jr., Kansas City, Mo. Surgical brace. 2,438,144, Mar. 23.
- Burbank, Henry R., New York, and B. J. Zenlea, Ozone Park, Long Island, assignors to Rockwood & Co., Brooklyn, N. Y. Chocolate coated edibles. 2,434,987, Jan. 27.
- Burbank, Henry R., New York, and B. J. Zenlea, Ozone Park, Long Island, assignors to Rockwood & Co., Brooklyn, N. Y. Chocolate coated edibles. 2,457,110, Dec. 28.
- Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method for use in lasting shoes. 2,455,467, Dec. 7.
- Burch, Cecil R., Clifton, Bristol, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Formation of curved surfaces of prescribed figure by grinding and/or polishing. 2,435,126, Jan. 27.
- Burch, Charles J., Pittsburgh, Pa., assignor to The Linde Air Products Company. Method of and apparatus for working mineral materials and the like. Re. 22,964, Jan. 20.
- Burch Corporation, The, assignee: *See*—
Leicy, Walter K.
- Burch, Julius G., Borger, Tex. Well treating apparatus. 2,455,556, Dec. 7.
- Burch, Lyndon W., Detroit, Mich. Liquid level indicator. 2,456,617, Dec. 21.
- Burch, Lyndon W., Pelham, N. Y. Humidity and temperature responsive device. 2,444,030, June 29.
- Burch, Nathan, Irvington, Ky. Dispensing device for slender articles. 2,434,257, Jan. 13.
- Burcham, Milo, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Facilitating the feathering of propellers responsive to yaw control. 2,449,104, Sept. 14.
- Burchett, Paul J., Glendale, Calif. Speed control device for motor vehicles. 2,450,113, Sept. 28.
- Burckhalter, Joseph H.: *See*—
Jones, Eldon M., Rawlins, Burckhalter, and Holcomb.
- Burdick Corporation, The, assignee: *See*—
Gilson, Warren E.
Maxson, Roland H.
Sturm, Ralph E.
- Burdick, Edwin C., assignor to The Brown Instrument Company, Philadelphia, Pa. Electrical instrument follow-up systems. 2,448,575, Sept. 7.
- Burdick, John S., North Muskegon, Mich., and C. S. Fairbank, Madison, N. J., assignors to The Shaw-Walker Company, Muskegon, Mich. Typewriter desk for use with dictating machine transcribing devices. Re. 23,025, Aug. 17.
- Burdick, Will S., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavator door mounting. 2,434,902, Jan. 27.
- Burdwood, Howard A., Portland, Maine. Machine for stripping covered cables. 2,434,640, Jan. 20.
- Bureau, Achille G., Forest Hills, N. Y. Cardcase. 2,447,731, Aug. 24.
- Buresh, Francis M., Blandford, Mass., assignor of one-half to George F. Buresh, Cedar Rapids, Iowa. Machine and method for forming fiber webs. 2,451,915, Oct. 19.
- Buresh, George F., assignee: *See*—
Buresh, Francis M.
- Burg, Homer L., Dallas City, Ill. Brush assembly. 2,443,785, June 22.
- Burgbacher, John C., Bayside, Long Island, assignor to Bulova Watch Company, New York, N. Y. Watch stem-winding and -setting mechanism. 2,434,390, Jan. 13.
- Burgess, Archie R., St. Louis, Mo. Multiple snap gage. 2,437,679, Mar. 16.
- Burgess Battery Company, assignee: *See*—
Hirtle, Dan W.
Moir, Thomas G.
- Burgess, Benjamin R. and M. M., Watsonville, Calif. Compound for treating produce and making same. 2,443,224, June 15.
- Burgess, C. J., Liberty, Mo. Deodorizing composition of matter for food storage compartments. 2,439,538, Apr. 13.
- Burgess, Charles F., deceased, Bokeelia, Fla., by O. W. Storey, Wheaton, Ill., trustee. Capillary transducer. Re. 22,971, Feb. 10.
- Burgess, Early R., Good Hope, Ga. Coupling. 2,445,385, July 20.
- Burgess, Everett H.: *See*—
Lehane, Timothy J., and Burgess.
- Burgess, John E.: *See*—
Gerhold, Clarence G., and Burgess.
- Burgess, Mille M.: *See*—
Burgess, Benjamin R. and M. M.
- Burgett, Lynn S., Euclid, assignor to The Clark Controller Company, Cleveland, Ohio. Electromagnetic brake mechanisms. 2,436,880, Mar. 2.

- Burhans, William G., Kingston, N. Y. Device for suppressing objectionable tones in instruments of the violin family. 2,444,280, June 29.
- Burk, Paul W.: *See*—
Chadwick, George A., and Burk.
Wright, Carleton H., Chadwick, and Burk.
- Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Catalytically treating hydrocarbons with hydrogen fluoride and boron trifluoride in the presence of hydrogen. 2,446,998, Aug. 17.
- Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Cracking of hydrocarbons. 2,448,015, Aug. 31.
- Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Preparing an isomerization catalyst for normal paraffins. 2,451,018, Oct. 12.
- Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Making isopropyl benzene. 2,442,342, June 1.
- Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Preparation of a co-precipitated gel catalyst. 2,451,471, Oct. 19.
- Burke, Byron R., Los Angeles, Calif. Compressor pump. 2,451,379, Oct. 12.
- Burke, George F. C.: *See*—
Knowlton, Cutler D., and Burke.
- Burke, James D., and F. A. Crooks, Los Angeles; said Burke assignor to A. M. Maree, Jr., S. L. Post, S. E. Lindahl, and himself, Los Angeles County, Calif. Electromagnet with armature. 2,436,354, Feb. 17.
- Burke, James L., Weehawken, N. J. Dialing device. 2,441,616, May 18.
- Burke, Jerry A., Jr., U. S. Navy. Condenser system for airplane engines. 2,447,486, Aug. 24.
- Burke, Nelson G., assignee: *See*—
Cavanagh, John F.
- Burke, Richard L., Swarthmore, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Loading ships. 2,451,198, Oct. 12.
- Burke, Vincent D., South Haven, assignor to Abbott-Becker Distributing & Manufacturing, Kalamazoo, Mich. Connector for electric cables and the like. 2,448,766, Sept. 7.
- Burke, Virginia A., assignee, et al.: *See*—
Moon, Adelle M.
- Burke, Wilbur B., East Cleveland, Ohio. Machine for drilling capstan head. 2,456,245, Dec. 14.
- Burke, William O., assignor to National Lock Co., Rockford, Ill. Lift and latch for deep-freeze cabinet lid. 2,440,734, May 4.
- Burkert, Daniel G., Boyertown, Pa. Combined ash receptacle and draft controlling door for domestic water heaters, stoves, and the like. 2,452,180, Oct. 26.
- Burkett, John C., Toledo, Ohio. Mallet for preparing meat. 2,445,872, July 27.
- Burkhard, Charles A.: *See*—
Sprung, Murray M., and Burkhard.
- Burkhard, Charles A., Alplaus, and W. I. Patnode, Schenectady, N. Y., assignors to General Electric Company. Stabilizing methyl-substituted polysiloxanes. 2,437,501, Mar. 9.
- Burkhardt, George R., Chicago, Ill. Noble gas metallurgy. 2,450,081, Sept. 28.
- Burkhardt, Raymond A., and W. M. Finlayson, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Method and apparatus for cooling and lubricating bearings. 2,438,385, Mar. 23.
- Burkhardt, Robert J., Nutley, N. J. Antiskid device. 2,452,831, Nov. 2.
- Burkholder, Alden H., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for coordinating the operating rate of forming thread with the drawing thereof. 2,454,731, Nov. 23.
- Burkholder, John D., Jr., Harrisonburg, Va. Brooder. 2,452,900, Nov. 2.
- Burkholder, John D., Jr., Harrisonburg, Va. Poultry house. 2,456,489, Dec. 14.
- Burkholz, Joseph, Brooklyn, N. Y. Glove. 2,443,375, June 15.
- Burkitt, Henry L.: *See*—
Schifter, Joseph, and Burkitt.
- Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Liquid collecting and directing means. 2,446,631, Aug. 10.
- Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Bearing mounting for drive sprockets of track type tractors. 2,453,360, Nov. 9.
- Burleigh, Arthur C., Wellesley, Mass. Sanding or rubbing machine. 2,437,152, Mar. 2.
- Burleson, Ambrose L., Berkeley, Calif. Rotary drum filter. 2,454,134, Nov. 16.
- Burley, George D., Cleveland, Ohio, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I. Cell type filter element. 2,457,122, Dec. 28.
- Burlin, Leslie H., Valparaiso, Ind., assignor to M. L. Sturm, Evanston, doing business as Milton Sturm & Company, Chicago, Ill. Toy gymnasium for baby cribs. 2,437,241, Mar. 9.
- Burling, Eatherl O.: *See*—
Gause, Marvin B., and Burling.
- Burlingame, Ernest D., Eggertsville, R. W. Carlson, Depew, M. G. Nicholson, Jr., Snyder, and M. C. Scott, Lancaster, assignors to Colonial Radio Corporation, Buffalo, N. Y. Protection of thyatron in impulse generating circuits. 2,438,962, Apr. 6.
- Burlington Mills Corporation, assignee: *See*—
Cobert, Arthur J.
Lathan, James R., and Comer.
- Burman & Sons Limited, assignee: *See*—
Briggs, Walter H.
- Burn, Lewis, London, England. Pumping device for liquids. 2,445,205, July 13.
- Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.
Ge Wertz, Arthur L.
Paucek, Andrew J.
Rogoff, Julian.
- Burner, Bingham F., Arlington, Va. Rod clamp tool. 2,455,557, Dec. 7.
- Burney, Donald E.: *See*—
D'Ouville, Edmond L., and Burney.
- Burney, Milton, Austin, Tex. Refrigerating apparatus for cold storage cabinets. 2,450,114, Sept. 28.
- Burnham, John, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Electrolytic condenser. 2,444,725, July 6.
- Burns, Andrew K., Narberth, Pa., assignor to Chronotroller Corporation, Newport, N. H. Time switch. 2,453,193, Nov. 9.
- Burns, Arthur E., Jr.: *See*—
Trent, Floyd E., and Burns.
- Burns, Bruce, West Los Angeles, assignor to The Garrett Corporation. Aircsearch Manufacturing Company division, Los Angeles, Calif. Capillary dip brazing process. 2,443,574, June 15.
- Burns, Cloyd E., Stamford, Conn. Punching machine. 2,435,574, Feb. 10.
- Burns, Denis O.: *See*—
Kelk, William H. H., and Burns.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Adjustable cam. 2,438,202, Mar. 23.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Apparatus for calibrating fluid pressure gauges. 2,446,740, Aug. 10.
- Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Holddown bracket. 2,449,275, Sept. 14.
- Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Cord lock and bracket. 2,449,583, Sept. 21.
- Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind head box. 2,454,550, Nov. 23.
- Burns, Henry L., Yellow Springs, Ohio. Resilient seat cushion. 2,434,641, Jan. 20.
- Burns, Henry L., Yellow Springs, Ohio. Automatic control system for high altitude pressure suits. 2,449,548, Sept. 21.
- Burns, Henry L., Yellow Springs, Ohio, and J. H. Thomas, Minneapolis, Minn. Leak detector. 2,449,053, Sept. 14.
- Burns, Jake D., Richmond, Calif. Welding line reel switch. 2,453,407, Nov. 9.
- Burns, John R., and J. M. Whitmore, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Detonation pickup. 2,435,031, Jan. 27.
- Burns, Joseph R., Millbourne, Pa.; T. A. Foulke, executor of said Joseph R. Burns, deceased. Binding implement. 2,454,135, Nov. 16.
- Burns, Laurence: *See*—
Casellini, Ezio T., and Burns.
- Burns, Laurence, Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Nonactinic fluorescent lamp. 2,452,518, Oct. 26.
- Burns, Robert: *See*—
Boettler, Jacob R., and Burns.
- Burns, Robert J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Water-thinned paints. 2,443,067, June 8.
- Burns, Walter, Munger, Mich. Seed potato cutter. 2,456,172, Dec. 14.
- Burns, William C., Santa Ana, Calif. Body weight distributing shoe pad construction. 2,434,258, Jan. 13.
- Burns, William H.: *See*—
Watson, Gavin, Burns, and Galanty.
- Burnside, Don G.: *See*—
Nergaard, Leon S., Burnside, and Pensak.
- Burnside, Don G., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device for ultra high frequencies. 2,456,579, Dec. 14.
- Buroff, Alvin F., Columbus, Wis. Machine for slicing cheese, or the like, in various shapes and sizes. 2,439,840, Apr. 20.
- Burrell, Forrest B.: *See*—
Martin, John R., and Burrell.
- Burrell, George G., and A. L. Hulshizer, assignors to Seal-tight Corporation, Cedar Rapids, Iowa. Moisture shield for spark plugs. 2,436,712, Feb. 24.
- Burrell, George G. and L.: said L. Burrell assignor to K. P. Burrell, Cedar Rapids, Iowa. Spark plug shield. 2,447,157, Aug. 17.
- Burrell, Harry: *See*—
Barth, Robert H., and Burrell.

- Burrell, Harry, Paramus, and C. J. Vander Valk, Clifton, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Luminescent coated articles. 2,441,559, May 18.
- Burrell, James H., and P. E. Richey, Rocky Ford, Colo. Power take-off device. 2,450,080, Sept. 28.
- Burrell, Kittie P., assignee: *See*—
Burrell, George and L.
- Burrell, Leo: *See*—
Burrell, George G. and L.
- Burrell Technical Supply Company, assignee: *See*—
Carlson, George W.
- Burrell, William E., Portland, Oreg. Flange oiler. 2,441,685, May 18.
- Burri, Ernst, assignor to Inpaco A.-G., Zurich, Switzerland. Device for supporting workpieces to be tooled. 2,447,562, Aug. 24.
- Burritt, Walter L., Omaha, Nebr. Tubular fence post construction. 2,452,630, Nov. 2.
- Burroughs Adding Machine Company, assignee: *See*—
Fettig, Arthur J.
Muller, Robert L.
- Burroughs, Eugene W., Sr., Norfolk, W. J. Byrd, Suffolk, and M. P. Seawell, Norfolk, Va. Trolley for electric cranes. 2,457,443, Dec. 28.
- Burroughs, Franklin L., assignor to Sylvania Electric Products Inc., Emporium, Pa. Frequency modulation at ultra high frequencies. 2,450,182, Sept. 28.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding antenna system. 2,454,768, Nov. 30.
- Burroughs, Louis R., assignor to Electro-Voice Manufacturing Co., Inc., South Bend, Ind. Balanced granular microphone. 2,435,920, Feb. 10.
- Burroughs, Robert E., Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Magnetic field measuring device. 2,437,374, Mar. 9.
- Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making styrene resin. 2,455,225, Nov. 30.
- Burroughs Wellcome & Co. (USA) Inc., assignee: *See*—
Baltzy, Richard, and Lorz.
Hitchings, George H.
- Burrow, Bob, Maricopa County, Ariz. Load leveler for power scoops. 2,455,160, Nov. 30.
- Burrows, John B.: *See*—
Ganger, Karl M., and Burrows.
- Burrows, Edwin N., Detroit, Mich. Collapsible and adjustable filter and strainer. 2,456,912, Dec. 21.
- Burrows, Glen A., Charlotte, N. C. Leg brace. 2,456,046, Dec. 14.
- Burrows, Harry: *See*—
Tomlin, George M.
- Burrows, Lawton A.: *See*—
Wester, Alfred B., Burrows, and Johnson.
- Burrows, Lawton A., Mendenhall, Pa., and M. F. Fuller, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of monochloroacetic acid. 2,455,405, Dec. 7.
- Burrows, Ralph C., assignee: *See*—
Abbott, Scott M.
- Burrus, Paul B., and Merton C. Leinberger, Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Cam. 2,451,802, Oct. 19.
- Burrus, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Drive means for vehicles. 2,443,720, June 22.
- Buruss, Walter H., assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Bait tank. 2,438,739, Mar. 30.
- Burstiner, Jack, New York, N. Y. Confection package. 2,451,318, Oct. 12.
- Burt, Clarence E., Pasadena, assignor to Grant Oil Tool Company, Los Angeles, Calif. Pressure release. 2,453,891, Nov. 16.
- Burt, F. M., Company, Inc., assignees: *See*—
Nyden, Robert, and Dickerman.
- Burt, Guy H.: *See*—
Burt, Harry M., and G. H.
- Burt, Guy H., assignee, et al.: *See*—
Dansereau, Charles E.
Dansereau, George H.
Richardson, Arthur A.
- Burt, Guy H., Edgewood, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder for fluorescent lamps. 2,441,929, May 18.
- Burt, Harry M., assignee, et al.: *See*—
Burt, Guy H.
Dansereau, Charles E.
Dansereau, George H.
Richardson, Arthur A.
- Burt, Harry M., Narragansett, and G. H. Burt, Edgewood, R. I. Fabricating contacts for fluorescent starter switches. 2,434,905, Jan. 27.
- Burt, John C., Oakland, Calif. Garment hanger bin. 2,454,858, Nov. 30.
- Burt, Ralph, assignor to Syntron Company, Homer City, Pa. Expandible chamber fluid motor with piston actuated valve and pressure absorbing flexible envelope in cylinder. 2,447,311, Aug. 17.
- Burt, Ralph, assignor to Syntron Company, Homer City, Pa. Expandible chamber motor with piston actuated valve for jolting machines. 2,447,312, Aug. 17.
- Burt, Robert C., Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Compass. 2,446,258, Aug. 3.
- Burtle, Jerome G., and W. H. Brandt, Alton, Ill., assignors to Olin Industries, Inc. Cyclonite purification. 2,439,648, Apr. 13.
- Burton, Clyde E., Overton, Tex. Safety locking device for sucker rod couplings. 2,438,313, Mar. 23.
- Burton, Donald: *See*—
Alexander, James R., Burton, and Hausmann.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit arrangement utilizing a plurality of electron discharge devices. 2,434,259, Jan. 13.
- Burton, George C., Washington, D. C. Tie rack. 2,452,727, Nov. 2.
- Burton, John J.: *See*—
Little, Kenneth B., and Burton.
- Burton, John L., assignee: *See*—
Perkins, Alwin E.
- Burton, Lawrence A.: *See*—
Crever, Frederick E., and Burton.
- Burton, Perry H., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying tags to articles. 2,440,040, Apr. 20.
- Burton, Samuel, Los Angeles, Calif. Shirt collar construction. 2,449,584, Sept. 21.
- Burton, Thomas F., Brentwood, Mo. Elastic band projector and cap exploder. 2,455,558, Dec. 7.
- Burt-Wells, Sidney G., assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada. Dish washing machine having automatic inlet control. 2,443,414, June 15.
- Bury Manufacturing Company, The, assignee: *See*—
Beetson, Geoffrey H.
- Bury, Paul A.: *See*—
Calvert, Francis E., and Bury.
- Busby, Lewis L., Cheney, Wash. Rigid jaw wrench with insertable auxiliary socket. 2,445,905, July 27.
- Busby, Luther W., Manhattan Beach, Calif. Denture stress reliever. 2,457,529, Dec. 28.
- Buscarino, James, New York, N. Y. Dental floss holder. 2,443,415, June 15.
- Busch, Frank B., Toledo, Ohio. Pipe coupling. 2,442,034, May 25.
- Busch, Fred, Wauwatosa, and A. J. Nelson, assignors, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis. Steam press iron and steam baffle and separator therefor. 2,456,490, Dec. 14.
- Busch, Fred W., and C. H. Drewes, assignors to Milsteel Products Co., Milwaukee, Wis. Steam separator for steam irons. 2,441,916, May 18.
- Buschmann, Oskar H., assignor to Copeland Refrigeration Corporation, Sidney, Ohio. Compressor valve. 2,434,734, Jan. 20.
- Bush, A. G., assignee: *See*—
Criner, Harry J.
- Bush, Alonzo O., assignor to Norton Company, Worcester, Mass. Grinding wheel chuck. 2,450,230, Sept. 28.
- Bush, Burton T., Inc., assignee: *See*—
Carpenter, Marion S., and Easter.
Gump, William S.
Kitchens, Garry C.
Luthy, Max, and Gump.
Peppel, William J.
- Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Magnetic lock relay. 2,447,632, Aug. 24.
- Bush, Herman, Union City, N. J. Mechanical toy. 2,454,375, Nov. 23.
- Bush, Homer H., Atlanta, Ga. Parachute release. 2,452,990, Nov. 2.
- Bush, Paine L., Dallas, Tex. Unitary clamp for frictionally held multiple surfaces. 2,444,727, July 6.
- Bush, Ralph R., Upper Darby, Pa., assignor to General Electric Company. Circuit breaker operating means. 2,436,194, Feb. 17.
- Bush, Ruth L., assignee: *See*—
Edens, James S.
- Bushby, David, assignor to Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada. Piston, expander. 2,455,728, Dec. 7.
- Bushey, George E., St. Albans, Vt. Pack carrier. 2,456,253, Dec. 14.
- Bushman, Frederick P., Vallejo, Calif. Automatic lighter. 2,438,632, Mar. 30.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Phase shifting arrangement. 2,434,904, Jan. 27.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic wave obstacle detection system. 2,444,031, June 29.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Antenna array. 2,444,425, July 6.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Repeater control system. 2,444,426, July 6.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Instrument landing system. 2,448,016, Aug. 31.

- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Tridimensional obstacle detection system. 2,449,976, Sept. 28.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Location indicating system. 2,449,977, Sept. 28.
- Busignies, Henri G., Forest Hills, and L. A. de Rosa, West Brighton, Staten Island, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Gas filled tube. 2,444,427, July 6.
- Busignies, Henri G., Forest Hills, and N. Marchand, New York, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,448,017, Aug. 31.
- Busignies, Henri G., Forest Hills, and J. L. Allison, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,452,546, Nov. 2.
- Busignies, Henri G., Forest Hills, T. H. Clark, New York, and A. G. Everhart, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Coupling arrangement. 2,457,123, Dec. 28.
- Businger, Albert, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Bicyclic sulfur compounds and manufacture thereof. 2,436,851, Mar. 2.
- Busnel, Françoise A. M., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Piezoelectric crystal support. 2,454,769, Nov. 30.
- Buss, Hadley N., Detroit, Mich. Planer construction. 2,449,201, Sept. 14.
- Bussert, Clarence, assignee: *See*—Hamlet, Darrel P.
- Bussey, William H., Chicago, Ill., assignor, by mesne assignments, to R. L. Kahn, trustee. Vacuum tube voltmeter. 2,436,741, Feb. 24.
- Bussey, William H., Chicago, Ill., assignor, by mesne assignments, to R. L. Kahn, trustee. Line cord transformer. 2,436,742, Feb. 24.
- Bussey, William H., Chicago, Ill., assignor, by mesne assignments, to R. L. Kahn, trustee. Amplifying coupling between a low resistance source and a high resistance circuit. 2,439,072, Apr. 6.
- Bussey, William H., Chicago, Ill., assignor to The Bristol Company, Waterbury, Conn. Method and apparatus for determining the magnitude of a condition. 2,444,726, July 6.
- Bussey, William H., Chicago, assignor to R. L. Kahn, trustee, Glencoe, Ill. Grid structure for electron discharge tubes. 2,447,796, Aug. 24.
- Bussiere, Wolcott H., Pittsfield, Mass. Roving catcher. 2,442,162, May 25.
- Bussman, Aloysius B., St. Louis, Mo. Fence knob. 2,434,391, Jan. 13.
- Butch, Adam F., Lawrence County, Pa. Support and traction of implements. 2,445,472, July 20.
- Butcher, Alfred, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Liquid clarifying apparatus. 2,452,991, Nov. 2.
- Butcher, Ernest D., Jr., Houston, Tex. Tank cleaning method. 2,443,721, June 22.
- Buteosk, Richard A., New Orleans, La., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Waterproofing of lubricating greases. 2,445,936, July 27.
- Butenandt, Adolph, Berlin-Dahlem, Germany, assignor to Schering Corporation, Bloomfield, N. J. Δ^8 -Androstenedione and making the same. 2,441,560, May 18.
- Butler, Bill E., and E. A. Shaw, Shreveport, La. Metal screen. 2,445,262, July 13.
- Butler Brothers, assignee: *See*—Amstutz, Walter.
- Wegmug, Gust.
- Butler, Burton B., Oak Park, assignor to C. M. Drinkwater & Company, Chicago, Ill. Starch tray. 2,443,341, June 15.
- Butler, Cornelius V.: *See*—Duhaime, Sidney J., and Butler.
- Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,451,064, Oct. 12.
- Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,451,065, Oct. 12.
- Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,451,066, Oct. 12.
- Butler, Edgar M., New Orleans, La. Self-energizing electrolytic water correction device. 2,451,067, Oct. 12.
- Butler, Edgar M., New Orleans, La. Electrolytic water correction device for insertion in circulatory systems. 2,451,068, Oct. 12.
- Butler, Ernest H., Arlington, Va. Hairpin. 2,437,502, Mar. 9.
- Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Lamp cutout. 2,443,442, June 15.
- Butler, Henry J., Beechcroft, Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London County, England. Fluid pressure operated brake and the like. 2,449,802, Sept. 21.
- Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, County of London, England. Fluid pressure brake apparatus. 2,457,344, Dec. 28.
- Butler, Howard, Walsall, England. Zero meter adjuster. 2,440,392, Apr. 27.
- Butler Manufacturing Company, assignee: *See*—Cooperider, Noel L.
- Myers, Harold C.
- Butler, Matthew B., assignee: *See*—Graves, Michael, and Lankovski.
- Butler, William F.: *See*—Cutter, Fred A., and Butler.
- Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Heat-treating machine. 2,448,514, Sept. 7.
- Butler, William H., Bloomfield, N. J., assignor to Bakelite Corporation. Emulsions containing a drying oil-ester resin copolymer. 2,437,293, Mar. 9.
- Butler, William H., Bloomfield, N. J., assignor to Bakelite Corporation. Coating composition of fatty drying oils reacted with fatty acid modified polyhydric alcohol esters of cyclopentadiene maleic adduct. 2,452,992, Nov. 2.
- Butow, Douglas L., Evanston, Ill. Hydraulic torque conversion apparatus. 2,452,290, Oct. 26.
- Butsch, Paul V.: *See*—Clayton, William J., and Butsch.
- Butt, Charles A., Atlanta, Ga., assignor to International Minerals & Chemical Corporation, Chicago, Ill. Manufacture of defluorinated tricalcium phosphate. 2,442,969, June 8.
- Butt, Charles S., Jr.: *See*—Kemmer, Paul H., Reichert, and Butt.
- Butterbaugh, Darrel J.: *See*—Spence, Le Roy U., Butterbaugh, and Kundiger.
- Butterbaugh, Darrel J., Abington, and L. U. Spence, Elkins Park, assignors to Rohm & Haas Company, Philadelphia, Pa. Silica-magnesia catalyst and preparation thereof. 2,447,181, Aug. 17.
- Butterfield, George P., Des Plaines, and L. A. Thorne, Chicago, Ill., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Treating lactalbumin. 2,457,642, Dec. 28.
- Butterfield, Harry: *See*—Pityo, Albert F., and Butterfield.
- Pityo, Albert F., Butterfield, and Warner.
- Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Seal construction. 2,439,073, Apr. 6.
- Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Drive construction. 2,442,838, June 8.
- Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Supporting structure for bearings for piston-connected shafts. 2,442,917, June 8.
- Butterfield, Melvin D., Wichita, Kans. Tire recapping machine. 2,444,898, July 6.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Display easel. 2,441,395, May 11.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible covered container or box. 2,447,563, Aug. 24.
- Buttrely, Ronald N., assignor to Cooke & Ferguson Limited, Openshaw, Manchester, England. Electric circuit breaker. 2,439,126, Apr. 6.
- Buttner, Arnold, Flushing, N. Y. Switch control device. 2,455,161, Nov. 30.
- Buttner, William C., Winnetka, assignor to The Bastian Blessing Co., Chicago, Ill. Fill indicator. 2,440,230, Apr. 20.
- Buttner, William C., Winnetka, assignor to The Bastian Blessing Co., Chicago, Ill. Liquefied gas dispensing apparatus. 2,450,824, Oct. 5.
- Buttner, William C., Winnetka, and H. E. Allshouse, assignors to The Bastian-Blessing Co., Chicago, Ill. Carbonated water dispenser. 2,450,825, Oct. 5.
- Buttner, William C., Winnetka, and H. L. Norway, Evanston, assignors to The Bastian Blessing Co., Chicago, Ill. Gas dispensing system. 2,453,968, Nov. 16.
- Buttner, William C., Evanston, and S. L. Sundstrom, assignors to The Bastian-Blessing Company, Chicago, Ill. Fitting. 2,456,913, Dec. 21.
- Buttress, George A., Los Angeles, Calif. Lath board. 2,455,016, Nov. 30.
- Butzner, James I.: *See*—Payne, John W., Simpson, and Butzner.
- Buurman, Aart, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Making a solution of cellulose. 2,444,022, June 29.
- Buxton, Frank E., Wellesley, Mass. Crossarm for transmission wires. 2,437,375, Mar. 9.
- Buxton, Frederick L., Burbank, Calif. Hanger. 2,454,908, Nov. 30.
- Buxton, Incorporated, assignee: *See*—Barton, George.
- Broughton, Douglas J.
- Hawes, George R.
- Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter. 2,446,458, Aug. 3.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,446,808, Aug. 10.
- Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira, N. Y. Engine starter. 2,450,231, Sept. 28.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starting gearing. 2,453,657, Nov. 9.

- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,455,327, Nov. 30.
- Buxton, James E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing and control. 2,455,328, Nov. 30.
- Buxton, Loran O., Newark, assignor to Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. 2,434,788, Jan. 20.
- Buxton, Loran O., Newark, assignor to Nopco Chemical Company, Harrison, N. J. Fractionation of marine oils. 2,434,789, Jan. 20.
- Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilizing fatty materials. 2,434,790, Jan. 20.
- Buyken, Frank E.: *See*—
Fredrich, Edwin T., Mitchell, and Buyken.
- Buzzell, Harold O., Wollaston, assignor to Polaroid Corporation, Cambridge, Mass. Light polarizing headlight lamination. 2,453,194, Nov. 9.
- Bybee, Byrom G.: *See*—
Bybee, Howard G. and B. G.
- Bybee, Howard G. and B. G., Ontario, Oreg. Weeder attachment for cultivators and the like. 2,446,259, Aug. 3.
- Byers, John R., Jr.: *See*—
Dickey, Joseph B., Byers, and McNally.
- Byers, Lawrence, Homeworth, Ohio. Sack holder. 2,455,729, Dec. 7.
- Byers, Ralph J., Chicago, Ill., and M. B. Christian, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Making paper-covered veneer. 2,442,115, May 25.
- Byler, William H., Morris Plains, and C. C. Carroll, Madison, N. Y., assignors to United States Radium Corporation, New York, N. Y. X-ray screen. 2,454,499, Nov. 23.
- Bylund, Eric, Genoa, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Brush mounting for electric motors. 2,454,909, Nov. 30.
- Bynum, Pink T., Beeville, Tex. Bailer. 2,445,206, July 13.
- Byram, Frederick C., Springfield, Ohio. Pumping volatile liquids. 2,451,151, Oct. 12.
- Byrd, William J.: *See*—
Burroughs, Eugene, Jr., Byrd, and Seawell.
- Byrene, Maurice E., United States Army, Lewiston, Idaho. Sweep circuit for cathode-ray tubes. 2,449,549, Sept. 21.
- Byrkit, Gordon D.: *See*—
Lincoln, Bert H., and Byrkit.
Lincoln, Bert H., Byrkit, and Steiner.
- Byrkit, Gordon D., Niagara Falls, N. Y., assignor, by mesne assignments, to The Lubrizol Development Corporation, Cleveland, Ohio. Lubricating oil addition agent. 2,449,547, Sept. 21.
- Byrne, John F., Wellesley Hills, Mass., assignor to the United States of America as represented by the Secretary of War. System for aligning receiver and transmitter circuits. 2,447,392, Aug. 17.
- Byrne, Joseph E.: *See*—
Sauter, Joseph H., and Byrne.
- Byrne, Joseph F., Hove, and P. S. Powling, London, England. Extraction and preparation of agar. 2,439,944, Apr. 20.
- Byrnes, Clarence P., Fort Lauderdale, Fla. Die drawing of hollow glass blanks. 2,450,115, Sept. 28.
- Byrns, Alva C., Los Altos, assignor to Union Oil Company of California, Los Angeles, Calif. 1, 3-Diketones. 2,453,619, Nov. 9.
- Byrns, Alva C., Oakland, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic reforming of hydrocarbon mixtures. 2,445,345, July 20.
- Byrns, Alva C., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Production of synthetic isoparaffinic oil. 2,435,708, Feb. 10.
- Byron Jackson Co., assignee: *See*—
Blom, Carl J.
Lundeen, Chester A.
- Bywater, William G.: *See*—
Cheney, Lee C., and Bywater.
- C. A. V. Limited, assignee: *See*—
Curzon, Thomas.
- C-Elght Laboratories, assignee: *See*—
Caruso, Mario.
- C. H. C. Patent Corporation, assignee: *See*—
Harkness, Travis O.
- C-O-Two Fire Equipment Co., assignee: *See*—
Cahusac, Clarence N., and Allen.
- C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.
- Cabes, Lucien A. B.: *See*—
Den Hertog, Martinus, and Cabes.
Kruithof, Jacob, and Cabes.
- Cabes, Lucien A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Identification circuit arrangement for automatic or semiautomatic telephone systems. 2,454,770, Nov. 30.
- Cabot, Godfrey L., Inc., assignee: *See*—
Amon, Fred H. and Thornhill.
- Cade, Phillip J., assignor to Photoswitch, Incorporated, Cambridge, Mass. Electron discharge device. 2,444,915, July 13.
- Cadenas, Fernando J., Forest Hills, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. X-ray film viewer. 2,436,162, Feb. 17.
- Cadenhead, Thomas M., Waycross, Ga. Burglar alarm. 2,443,553, June 15.
- Cadillac Gage Company, assignee: *See*—
Bauer, Russell E.
- Cadman, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Air-drying apparatus. 2,440,326, Apr. 27.
- Cadot, Henry M., Greenville, and W. B. Clark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spray drying dimethylolurea. 2,436,355, Feb. 17.
- Cadous, Esther, New York, N. Y. Brassière. 2,443,225, June 15.
- Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mounting structure for windows. 2,449,875, Sept. 21.
- Cady, George H., Providence, and E. W. Adams, assignors to Cranston Print Works Company, Cranston, R. I. Stopping mechanism for textile apparatus. 2,452,223, Oct. 26.
- Caesar, Orville S., Barrington, Ill. Neuropathic aid. 2,440,894, May 4.
- Caesar, Philip D., Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Alkyl thiophene-aldehyde synthetic resins. 2,453,086, Nov. 2.
- Caesar, Philip D., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of thiophene. 2,448,211, Aug. 31.
- Caesar, Philip D., Champaign, Ill., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Thiophene-aldehyde synthetic resins. 2,453,085, Nov. 2.
- Caffese, Joseph, Stockton, Calif. Cultivator disc supporting assembly. 2,439,449, Apr. 13.
- Cahenzil, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Combination metering device and heat exchanger for refrigerators. 2,455,298, Nov. 30.
- Cahill, James E., U. S. Navy, Trenton, N. J. Reciprocating bender with pivoted side shapers. 2,443,596, June 22.
- Cahill, Lysle D., Shaker Heights, and V. T. Uber, Willoughby, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Air pressure gauge. 2,446,632, Aug. 10.
- Cahn, Frank J., assignor to The Emulsol Corporation, Chicago, Ill. Esters of alcohol nontertiary amines. 2,449,926, Sept. 21.
- Cahn, Leo, Forest Hills, assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y. Affixing labels, wraps, etc. 2,435,267, Feb. 3.
- Cahners, Norman L., Newton, Mass. Fiberboard portable platform. 2,444,183, June 29.
- Cahners, Norman L., Brewer, Maine. Expendable platform. 2,444,184, June 29.
- Cahoon, Edward F.: *See*—
Lauder, Wallace A., and Cahoon.
- Cahusac, Clarence N., Newark, and F. B. Allen, Verona, assignors to C-O-Two Fire Equipment Co., Newark, N. J. Multiple smoke detector. 2,437,071, Mar. 2.
- Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Tone arm mounting. 2,434,033, Jan. 6.
- Cairns, Edward, Montclair, N. J. Blocking apparatus for forming crowns of headgear and other articles. 2,440,845, May 4.
- Cairns, John E. I., Chalfont-St.-Peter, and C. D. Docherty, assignors to Electric & Musical Industries Limited, Hayes, England. Chuck. 2,456,914, Dec. 21.
- Cairns, Theodore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides. 2,441,057, May 4.
- Cairns, Theodore L., Roselle, and D. M. McQueen, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions of silver salts in hydrophilic polymers of 1,3-dioxolane. 2,436,138, Feb. 17.
- Cairns, Theodore L., and R. M. Joyce, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerized tetramethylethylene oxide. 2,455,912, Dec. 14.
- Cairns, Thomas W., National City, assignor to Solar Aircraft Company, San Diego, Calif. Bubble cap structure. 2,438,536, Mar. 30.
- Calcott, Walter C., assignor to Chicago Metal Hose Corporation, Maywood, Ill. Hose coupling. 2,438,472, Mar. 23.
- Calder, John M., assignor to Boston Machine Works Company, Lynn, Mass. Taping and seam pressing machine. 2,442,035, May 25.
- Caldow, Alexander W., Chicago, Ill. Safety for firearms. 2,453,683, Nov. 9.
- Caldwell, Hamilton P., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation. 2,445,560, July 20.

- Caldwell, Hamilton P., Jr., and H. D. Chapman, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,632, Oct. 5.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate fibers having wool dyeing properties and a spinning solution therefor. 2,439,074, Apr. 6.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of beta-lactones. 2,450,116, Sept. 28.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of beta-lactones. 2,450,117, Sept. 28.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of beta-lactones. 2,450,118, Sept. 28.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Sulfonated aromatic derivatives. 2,455,730, Dec. 7.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Resinous condensates of beta-propiolactone and polyhydroxy compounds. 2,455,731, Dec. 7.
- Caldwell, Joseph M., Roscoe, Calif. Internal-combustion engine. 2,456,110, Dec. 14.
- Caldwell, Leona T., executrix: *See—*
Caldwell, Wallace L.
Meinzer, Arthur E.
- Caldwell, Lyle, assignee: *See—*
Greentree, Alexander.
- Caldwell, Wallace L.: *See—*
Meinzer, Arthur E.
- Caldwell, Wallace L., deceased, Birmingham, Ala.; L. T. Caldwell, executrix. Method and apparatus for production of expanded slag. 2,442,036, May 25.
- Caldwell, William E., assignor to Carman & Co., Inc., New York, N. Y. Injector apparatus. 2,451,715, Oct. 19.
- Calfee, John D.: *See—*
Kraus, Charles A., and Calfee.
- Calfee, John D., Westfield, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Solid halogen derivatives of polymerized methyl pentadiene. 2,447,610, Aug. 24.
- Calhoun, Adela H., assignee, et al.: *See—*
Morrison, Clifford, and Hoch.
- Calhoun, Ann E., administratrix: *See—*
Calhoun, Taylor P.
- Calhoun, Evan A., Jesup, Iowa. Starter mounting. 2,441,990, May 25.
- Calhoun, Ingram X., Oklahoma City, Okla. Well pipe handling apparatus. 2,450,934, Oct. 12.
- Calhoun, John J.: *See—*
Blackinton, George W., and Calhoun.
- Calhoun, Oliver H., assignee, et al.: *See—*
Morrison, Clifford, and Hoch.
- Calhoun, Taylor P., deceased, Worcester, Mass.; A. E. Calhoun, administratrix. Clothes cleansing and fluid extracting apparatus having a flexible clothes squeezing diaphragm. 2,455,043, Nov. 30.
- Calico Printers' Association, Limited, The, assignee: *See—*
Lantz, Louis A., and Schofield.
- California Fruit Growers Exchange, assignee: *See—*
Baier, Willard E.
- California Institute Research Foundation, assignee: *See—*
Gould, Clark W., Jr.
Green, Alex E. S.
- California Magnet Company, assignee: *See—*
Wing, Lewis O., Sr.
- California Packing Corporation, assignee: *See—*
Dunn, Guy A.
Gause, Marvin B., and Burling.
Newton, Robert J.
- California Research Corporation, assignee: *See—*
Cardwell, William T., Jr.
Claussen, William H., and Powell.
Clayton, James O.
Eldredge, Kenneth R., Hundere, and Macpherson.
Elliott, Laverne P., and Holm.
Elwell, William E., and Meier.
Furby, Neal W.
Levine, Irving E.
Lewis, Allen H.
Miller, Robert J.
- Callahan, Clarence H., and W. Languirand, New Bedford, Mass., assignors to Textile Research Co. Loom protector rod actuating mechanism. 2,448,250, Aug. 31.
- Callahan, Hugh J., Wilmington, Del. Ship's telegraph recorder. 2,438,331, Mar. 23.
- Callahan, John T., West Newton, and J. A. Gilbertson, assignors to Archer Rubber Company, Milford, Mass. Waterproof outer garment. 2,438,429, Mar. 23.
- Callahan, John T., West Newton, and J. A. Gilbertson, assignors to Archer Rubber Company, Milford, Mass. Lady's raincoat. 2,442,749, June 8.
- Callan, James A., North Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 7-dehydro-cholesterol. 2,436,195, Feb. 17.
- Callaway, Clarence R., New York, N. Y., and F. R. Dunn, Little Ferry, N. J., assignors to Motor Economy Products, Inc., New York, N. Y. Crankcase ventilating apparatus. 2,450,864, Oct. 5.
- Callaway, Jack B., Summit, and D. B. Killian, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing a barium lake pigment. 2,453,490, Nov. 9.
- Callear, Thomas E.: *See—*
Sun, Kuan-Han, and Callear.
- Calleia, Cipriano R., Lisbon, Portugal. Apparatus for the manufacture of corkboard by injection of a heated gas. 2,453,568, Nov. 9.
- Callender, Edwin M.: *See—*
Tarbox, John P., and Callender.
- Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Weld-control system. 2,433,827, Jan. 6.
- Callender, Edwin M., assignor to The Budd Company, Philadelphia, Pa. Capacitor discharge welding system. 2,440,892, May 4.
- Callender, Edwin M., Cynwyd, and R. S. Phair, Philadelphia, Pa., assignors to The Budd Company. Control system. 2,446,125, July 27.
- Callinan, Thomas D., Pittsfield, Mass., assignor to General Electric Company. Coating asbestos. 2,451,805, Oct. 19.
- Callison, Charles H., assignee, et al.: *See—*
Linstrom, Floyd T.
- Callite Tungsten Corporation, assignee: *See—*
Kurtz, Jacob.
Kurtz, Jacob, and Zampieri.
- Calloway, Gaither D., Elkin, N. C. Screw pivot for shears. 2,452,993, Nov. 2.
- Calmon, Calvin, Mount Holly, N. J., assignor to the Permutit Company, New York, N. Y. Removal of impurities from liquids by contact with dolomitic lime calcined for 10 to 120 minutes at a temperature of 300° C. to 700° C. and product therefor. 2,442,584, June 11.
- Caloric Gas Stove Works, assignee: *See—*
Klein, Gustav.
- Cal-Pan Corporation, assignee: *See—*
Trautmann, Herbert L.
- Calpat Corporation, The, assignee: *See—*
Bodine, Albert G., Jr.
Harris, Ford W.
- Calvert, Francis E., assignor to The Drackett Company, Cincinnati, Ohio. Recovery of proteins from soybeans in presence of blanketing agents and enzyme inhibitors. 2,451,659, Oct. 19.
- Calvert, Francis E., and P. A. Bury, assignors to The Drackett Company, Cincinnati, Ohio. Plastic compositions and process of making the same. 2,449,876, Sept. 21.
- Calvin, Albert W., Los Angeles, Calif. Check valve. 2,444,182, June 29.
- Calvin, Harry C., assignor of one-fourth to E. C. Moody, Dothan, Ala. Switchboard plug. 2,440,661, Apr. 27.
- Cambridge Thermionic Corporation, assignee: *See—*
Franklin, Constance W.
- Camerino, Ernest, New York, N. Y. Oil burner blower housing. 2,456,673, Dec. 21.
- Cameron, Byron R., Mount Vernon, Ill. Drafting compass. 2,454,305, Nov. 23.
- Cameron Can Machinery Corporation, assignee: *See—*
Simpson, Justin.
- Cameron, Collin M., assignor to Ransomes & Rapier Limited, Ipswich, England. Excavating machine. 2,452,632, Nov. 2.
- Cameron, Curtice B., Laurel, Miss. Self-adjusting wood peeler. 2,452,631, Nov. 2.
- Cameron, Emmett T., San Antonio, Tex. Suction feeder. 2,446,573, Aug. 10.
- Cameron Iron Works, assignee: *See—*
Allen, Herbert, and Works.
Bean, Ruric N.
Works, Madden T.
- Cameron, Jarrett L., Orangefield, and F. J. Malloy, assignors to Levinston Shipbuilding Company, Orange, Tex. Back-pressure check valve. 2,447,842, Aug. 24.
- Cameron, Joseph W., assignor to Boyle-Midway Inc., Chicago, Ill. Capping machine. 2,435,127, Jan. 27.
- Cameron, Joseph W., assignor to Boyle-Midway Inc., Chicago, Ill. Monitored conveyor system. 2,441,469, May 11.
- Cameron, William P., New York, N. Y. Electric range. 2,446,063, July 27.
- Camilleri, Charles, assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,438,840, Mar. 30.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Temperature indicator control circuit. 2,435,070, Jan. 27.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,446,999, Aug. 17.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus. 2,452,901, Nov. 2.
- Camilli, Guglielmo, and H. F. Miller, Pittsfield, Mass., assignors to General Electric Company. Cooling system. 2,440,930, May 4.
- Caminez, Harold, Williamsport, Pa., assignor to Avco Manufacturing Corporation. Making manifolds for engines. 2,438,145, Mar. 23.

- Camloc Fastener Corporation, assignee: *See*—
Allen, Rex W.
Eisele, Karl.
Freesz, Tibor.
Hennessey, Silas W., Jr.
Summers, J. Mills.
- Camm, Frederick J., London, England. Pyrophoric lighter. 2,434,501, Nov. 23.
- Cammack, Richard B., et al., assignee: *See*—
Carlin, Bernard.
- Camner, Hilding G.: *See*—
Pyk, Herman T., and Camner.
- Camp, Elza Q., et al.: *See*—
Viles, Prentiss S., and Camp.
- Camp, Elza Q., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Suppression of corrosion in ferrous alloy vessels in the treatment of hydrocarbons. 2,449,585, Sept. 21.
- Camp, Eugene V., Atlanta, Ga. Highway traffic guard. 2,438,991, Apr. 6.
- Camp, Thomas R., Newton, Mass. Filtration apparatus. Re. 23,009, June 29.
- Campaigne, William E., assignor to Wingfoot Corporation, Akron, Ohio. Rubber flooring. 2,456,373, Dec. 14.
- Campani, Louis M.: *See*—
DeGiers, Clarence A., and Campani.
- Campbell, Allan J., and J. P. Blom, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Polarity reversing switch. 2,442,585, June 1.
- Campbell, Arthur W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Inhibiting premature vulcanization of rubber. 2,440,893, May 4.
- Campbell, Carl M., assignor to Hagerstown Leather Company, Hagerstown, Md. Bill divider and key container for billfolds. 2,435,032, Jan. 27.
- Campbell, Charles H., Kent, Ohio, and R. W. Ostermayer, Clairton, Pa.; said Ostermayer assignor to said Campbell. Rubber-reclaiming oil. 2,447,732, Aug. 24.
- Campbell, Charles H., Kent, Ohio, and R. W. Ostermayer, Clairton, Pa.; said Ostermayer assignor to said Campbell. Rubber-reclaiming oil. 2,447,733, Aug. 24.
- Campbell, David J.: *See*—
White, Gifford E., Campbell, Hauser, and Greene.
- Campbell, Donald L., Short Hills, H. Z. Martin, Elizabeth, E. V. Murphee, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Separation and purification of gases. 2,446,076, July 27.
- Campbell, Donald L., Roselle Park, H. Z. Martin, Elizabeth, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Contacting solids and gases. 2,451,803, Oct. 19.
- Campbell, Donald L., Short Hills, H. Z. Martin, Elizabeth, and E. V. Murphee and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Method of and apparatus for contacting solids and gases. 2,451,804, Oct. 19.
- Campbell, Edmund M., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. First-aid kit. 2,448,171, Aug. 31.
- Campbell, Edward R., Ivanhoe, K. M. Frewin, Elsternwick, F. W. Lennox, Toorak, and R. P. Morris, North Brighton, assignors to Air Supply Packs Proprietary Limited, Melbourne, Victoria, Australia. Container suitable for dropping from aircraft and the like. 2,457,205, Dec. 28.
- Campbell-Edwards Pneumatic Artificial Foot Company, The, assignee: *See*—
Campbell, Harry C.
- Campbell, Erwin A.: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.
- Campbell, Garrett E., Modesto, Calif. Ironing cord holder. 2,450,714, Oct. 5.
- Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,294, Apr. 27.
- Campbell, Harry C., assignor to The Campbell-Edwards Pneumatic Artificial Foot Company, Youngstown, Ohio. Ankle joint and reinforcing member for pneumatic feet. 2,440,075, Apr. 20.
- Campbell, Howard: *See*—
Mann, Arthur S., and Campbell.
- Campbell, James A., Wilmette, Ill., J. B. Hull, Berkeley, Calif., and R. B. Stevens, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control mechanism. 2,444,244, June 29.
- Campbell, James D., Schenectady, N. Y., assignor to General Electric Company. Tension measuring device. 2,444,245, June 29.
- Campbell, James W., Rockville Centre, assignor to Bottle Brownie Corp., Long Beach, N. Y. Device for transferring fluids. 2,435,033, Jan. 27.
- Campbell, John D., Lakewood, and J. M. Roth, Euclid, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Aircraft anti-icing arrangement. 2,457,031, Dec. 21.
- Campbell, John H., Altamont, N. Y., assignor to General Electric Company. Discharge lamp circuit. 2,441,796, May 18.
- Campbell, John H., Altamont, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,456,859, Dec. 21.
- Campbell, John H., Altamont, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,456,860, Dec. 21.
- Campbell, John M., Fairmont, W. Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and machine for basing and seasoning fluorescent lamps. 2,439,884, Apr. 20.
- Campbell, Josephine H., Jackson, Mich. Underwear supported suspender. 2,455,852, Dec. 7.
- Campbell, Julian A., Long Beach, Calif. Liquid level control. 2,448,251, Aug. 31.
- Campbell, Kenneth N., South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 4-alkyl-quinolines. 2,451,610, Oct. 19.
- Campbell, Kenneth N., South Bend, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 4-alkyl-quinolines. 2,451,611, Oct. 19.
- Campbell, Lottie M., Los Angeles, Calif. Sink strainer gutter. 2,441,752, May 18.
- Campbell, Lyman L.: *See*—
Selby, Theodore R., and Campbell.
- Campbell, Nelson S., Greenwich, Conn. Head for golf clubs. 2,452,100, Oct. 26.
- Campbell, Norman H., Toronto, Ontario, Canada. Bag and bag handle construction. 2,437,072, Mar. 2.
- Campbell, Phillip, Whittier, and W. H. Maxwell, Newport Beach, Calif. Casting apparatus compensating for shrinkage of the cast material. 2,439,450, Apr. 13.
- Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Stylus for sound reproduction. 2,438,111, Mar. 23.
- Campbell, Richard L., Maywood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Variable inductance. 2,442,264, May 25.
- Campbell, Robert A., Oak Park, Ill. Revolving polarized disk. 2,453,693, Nov. 16.
- Campbell, Robert G., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ice removing covering for airfoils. 2,438,693, Mar. 30.
- Campbell, Robert G., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ice removing covering for aircraft. 2,439,037, Apr. 6.
- Campbell, Thaddeus C., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio object locating system training device. 2,438,898, Apr. 6.
- Campbell, Walter H., Arlington County, Va. Electrical drop signal device. 2,452,034, Oct. 26.
- Campbell, Willard S., assignor to M & C Conveyors, Inc., Chicago, Ill. Milk sampler. 2,450,715, Oct. 5.
- Campbell, William J., assignor to Climax Machinery Company, Indianapolis, Ind. Joint structure. 2,450,232, Sept. 28.
- Campion, Donald C., Sr., Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa. Shuttle conveyor. 2,447,393, Aug. 17.
- Campos, Adolph, Clifton, N. J. Lighter construction. 2,445,513, July 20.
- Campos, Louis H., New York, N. Y. Quick-detachably connecting a handbag to its framework. 2,435,870, Feb. 10.
- Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Recording and reproducing head for wire recorders. 2,435,871, Feb. 10.
- Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Combination of magnetic transducing and erasing heads. 2,456,767, Dec. 21.
- Camrud, Edwin S., Phoenix, Ariz. Brake lever. 2,434,548, Jan. 13.
- Canada Trust Company, The, executrix: *See*—
Wilkinson, George H.
- Canadian Copper Refiners Limited, assignee: *See*—
Clark, Charles W. and Scheaffer.
- Canadian Radium and Uranium Corporation, assignee: *See*—
Blau, Marietta.
Rosenblum, Solomon.
- Candee, Andrew H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric vehicle control system. 2,447,633, Aug. 24.
- Candee, Clifton C., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of a barium lithol red. 2,447,394, Aug. 17.
- Candee, Ellsworth T., and A. R. Anderson, Waterbury, Conn., assignors to The American Brass Company. Flexible metal hose. 2,438,146, Mar. 23.
- Candler-Hill Corporation, assignee: *See*—
Schlosser, Arthur G.
- Candler, James N., Grosse Pointe, Mich., assignor to Borg-Warner Corporation. Torque control for helicopters. 2,452,355, Oct. 26.
- Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Control for electric ovens. 2,435,530, Feb. 3.
- Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,442,397, June 1.
- Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Time and temperature controller for domestic appliances. 2,451,069, Oct. 12.

- Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Welding stud. 2,441,257, May 11.
- Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Holding mechanism for welding stud ferrules. 2,447,113, Aug. 17.
- Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Stud welding gun. 2,451,152, Oct. 12.
- Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Mechanism for stud welding guns and the like. 2,451,716, Oct. 19.
- Candy, Charles M., Chicago, and W. W. Owen, Elgin, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Totalizer indicator control. 2,451,319, Oct. 12.
- Canfield, Robert W., and F. E. Wiley, West Hartford, and A. M. Guerreiro, assignors to Plax Corporation, Hartford, Conn. Forming hollow articles from oriented polymer. 2,439,716, Apr. 13.
- Canfield, William B.: *See*—
Rust, John B., and Canfield.
- Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic locking circuit. 2,441,006, May 4.
- Canister Company, The, assignee: *See*—
Di Cosmo, Pasquale V., and Ricciardi.
- Canister Company, Inc., The, assignee: *See*—
Ricciardi, Matthew C.
- Cann, Arthur F., Danvers, assignor to Stevens-Arnold Company, Inc., Boston, Mass. Electronic light integrator. 2,434,101, Jan. 6.
- Cann, Arthur F., Danvers, assignor to Browning Laboratories, Inc., Winchester, Mass. Reversely-connected electric discharge device system. 2,450,032, Sept. 23.
- Cann, John A., Bickley, assignor to Turner & Newall Limited, Spotland, Rochdale, England. Process and apparatus for the manufacture of asbestos-cement products. 2,435,646, Feb. 10.
- Cannistra, Joseph J.: *See*—
Thurnell, Orville D., and Cannistra.
- Cannizzaro, Joseph J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating on tungsten. 2,443,651, June 22.
- Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Hydraulic press system with control means yielding high-speed operation thereof. 2,449,639, Sept. 21.
- Cannon, Paul Haven, Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Producing improved yarn. 2,451,533, Oct. 19.
- Cannon, Rowland M., assignor to Utah-Idaho Sugar Co., Salt Lake City, Utah. Seed planter. 2,440,846, May 4.
- Cantley, Joseph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Bomb rack magazine with release mechanism. 2,450,540, Oct. 5.
- Cantlin, John H., North Andover, Mass. Fluid mass measuring device. 2,449,054, Sept. 14.
- Cantor, Jacob J., Los Angeles, Calif. Device for protecting the ear drum. 2,441,866, May 18.
- Cantor, Samuel, Brooklyn, N. Y. Baseball game. 2,434,195, Jan. 6.
- Cantrell, Harland J., Huntington, W. Va. Safety lock for locomotive throttle levers. 2,434,455, Jan. 13.
- Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Hill, and Cantrell.
- Caparone, Michael J., Pasadena, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition apparatus for gaseous fuel burners. 2,443,892, June 22.
- Capaul, Joseph A., Waunakee, Wis. Animal house. 2,445,055, July 13.
- Cape, Arthur T.: *See*—
Foerster, Charles V., and Cape.
- Cape, Arthur T., Columbus, and C. V. Foerster, Canton, Ohio, assignor to Coast Reduction, Inc., Watonsville, Calif. Reduction of iron ores. 2,449,916, July 13.
- Capita, Emil R., North Bergen, N. J. Spark gap device. 2,448,576, Sept. 7.
- Capitan, Joseph J., assignee: *See*—
Whiteley, Arlie E.
- Caplan, Harry, Los Angeles, Calif. Parachute. 2,455,044, Nov. 30.
- Capolongo, Pasquale R.: *See*—
Stevens, Nelson B., and Capolongo.
- Capra, Horace, Montreal, Quebec, Canada. Electrically heated convection radiator. 2,436,288, Feb. 17.
- Capuzzi, Edmund C.: *See*—
Decker, Gerard C., 3d, and Capuzzi.
- Capuzzi, Edmund C., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Field control for transformer torque meter signal coils. 2,447,734, Aug. 24.
- Caradine Hat Company, assignee: *See*—
Wittecoff, Edward.
- Carbaugh, Eugene, et al., assignee: *See*—
Lord, Francis L.
- Carbide and Carbon Chemicals Corporation, assignee: *See*—
Boese, Albert B., Jr.
Cogan, Howard D., and Ketcham.
Feild, Theophilus A., Jr., Rugeley, and Petrokubi.
Fife, Harvey R., and Roberts.
Fife, Harvey R., and Toussaint.
Jackson, Donald R.
Quarles, Richard W.
Staff, Charles E.
Wilkes, Benjamin G. Jr.
- Carboloy Company, Inc., assignee: *See*—
Lucas, George W.
Taylor, George F.
- Carbone, Joseph F., Everett, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Self-developing camera. 2,455,111, Nov. 30.
- Carborundum Company, The, assignee: *See*—
Brown, William A., and Kleeman.
Dahlstrom, Eric P.
Melton, Romie L., Benner, and Kirchner.
Robie, Norman P.
Robie, Norman P., and Sheibley.
Rowe, Robert G.
Rushmer, Ralph H., and Goepfert.
Summers, William B., and Corse.
Upper, Frederick A.
- Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Insulator cap. 2,447,114, Aug. 17.
- Carder, Lorena B., Orlando, Fla. Handbag casing structure. 2,451,274, Oct. 12.
- Cardillo, Joseph S., assignor to Romec Pump Company, Elyria, Ohio. Coupling. 2,436,248, Feb. 17.
- Cardin, Carl J., Downers Grove, Ill. Fountain pen. 2,453,491, Nov. 9.
- Cardinal Products Inc., assignee: *See*—
Schmitt, George P.
- Cardon, Samuel Z.: *See*—
Halbedel, Harold S., Cardon, and Shenk.
- Cardox Corporation, assignee: *See*—
Beach, Walter A.
Williamson, Hilding V.
Williamson, Hilding V., and Griesemer.
- Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,196, Feb. 17.
- Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,197, Feb. 17.
- Cardwell, Paul H., and L. H. Eilers, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Chemical removal of an acid-soluble metal part in a deep well. 2,436,198, Feb. 17.
- Cardwell, William T., Jr., Whittier, assignor to California Research Corporation, San Francisco, Calif. Conditioning of drilling fluids. 2,450,936, Oct. 12.
- Carey, Cecil: *See*—
Cartmell, Harold, and Carey.
- Carey, Claude H., Rush Township, Schuylkill County, Pa., assignor to Atlas Powder Company, Wilmington, Del. Making explosive assemblies. 2,448,658, Sept. 7.
- Carey, Edward J., and J. B. Geers, deceased, Dayton, by J. H. More, special administrator, Cincinnati, assignors to The National Cash Register Company, Dayton, Ohio. Totalizer engaging mechanism. 2,443,652, June 22.
- Carey, Fred P.: *See*—
Barnard, Harlin W., and Johnson, and Carey.
- Carey, Leroy J.: *See*—
Galley, John H., and Carey.
- Carey, Philip, Manufacturing Company, The, assignee: *See*—
Marc, Henri M.
- Carl, John C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dispersion of anti-oxidants in rubber latex. 2,445,734, July 20.
- Carless, Lionel S., Mountain View, N. J. Ammunition booster control. 2,456,618, Dec. 21.
- Carlla, Alexander L., Norfolk, Va. Grain trimming device. 2,453,408, Nov. 9.
- Carlike, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. Stop for slide fasteners. 2,441,007, May 4.
- Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Piezoelectric crystal mounting means. 2,448,352, Aug. 31.
- Carlin, Bernard, Orange, assignor of forty-nine one-hundredths to W. O. Halzlip and R. B. Cammack, Nederland, and J. Ener, Jr., and L. De Cordova, Beaumont, Tex. Safety inner tube for pneumatic tires. 2,452,902, Nov. 2.
- Carlin, Herbert J., East Orange, and J. F. Chapman, Madison, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor operated tap changer. 2,447,634, Aug. 24.
- Carline, John G., London, England. Device for dispensing articles. 2,457,345, Dec. 28.
- Carling, Edward C., Stoke Newington, London, England. Couplings for flexible hose. 2,452,728, Nov. 2.
- Carlisle, Paul J., Wilmington, Del., and W. S. Hinegardner, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicidal compositions. 2,452,429, Oct. 26.

- Carlisle Shoe Company, assignee: *See*—
Fennessy, William M.
- Carlock, George P., Jersey City, N. J. Hand operated leather punching machine. 2,449,108, Sept. 14.
- Carlsen, Herbert M., and E. F. Nordman, Spokane, Wash. Fishhook. 2,445,601, July 20.
- Carlsen, John A., Omaha, Nebr.; dedicated to the Free Use of the People in the Territory of the United States. Hog jaw puller. 2,436,629, Feb. 24.
- Carlsen, Olaf, New York, N. Y. Structural section and structural members composed thereof. 2,444,091, June 29.
- Carlson, Andrew H., assignor to Parker Manufacturing Company, Worcester, Mass. Saw frame. 2,436,743, Feb. 24.
- Carlson, Axel S., New York, N. Y. Ground vase. 2,438,802, Mar. 30.
- Carlson, Bert G., Cleveland, Ohio. Rotary valve for internal-combustion engines. 2,457,206, Dec. 28.
- Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Hintz Precision Industries, Inc., Cleveland, Ohio. Automatic pilot turn control. 2,442,116, May 25.
- Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Hintz Precision Industries, Inc., Cleveland, Ohio. Vertical hydraulic gyro. 2,445,388, July 20.
- Carlson, Bert G., Gates Mills, assignor to W. R. Jack, Cleveland, Ohio. Servo unit. 2,454,551, Nov. 23.
- Carlson, Carl A., and A. W. Bittner, Fort Dodge, Iowa. Loading and stacking machine. 2,457,346, Dec. 28.
- Carlson, Carl E., Boston, Mass. Attachment for sheet feeding mechanisms. 2,442,839, June 8.
- Carlson, Carl H., and W. Russell, Chicago, Ill. Auxiliary tool handle. 2,454,989, Nov. 30.
- Carlson, Charles W., Tiffin, Ohio. Producing glassware. 2,446,359, Aug. 3.
- Carlson, Ernest J., Reading, Pa. Spiral stake. 2,441,109, May 4.
- Carlson, Frank E., Cleveland Heights, Ohio, assignor to General Electric Company. Multiple image optical system. 2,443,722, June 22.
- Carlson, George: *See*—
Scott, Carl F., Carlson, and Rugg.
- Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Electric cable clamp and box. 2,437,073, Mar. 2.
- Carlson, George W., Bridgeville, assignor to Burrell Technical Supply Company, Pittsburgh, Pa. Power shaker. 2,451,199, Oct. 12.
- Carlson, George W., Bridgeville, assignor to Burrell Technical Supply Company, Pittsburgh, Pa. Mercury leveling clamp. 2,452,729, Nov. 2.
- Carlson, J. A., Edwin, assignor to Jacobsen Manufacturing Company, Racine, Wis. Lawn mower. 2,450,849, Oct. 5.
- Carlson, Joseph: *See*—
Thompson, Richard A., Eriksson, and Carlson.
- Carlson, Joseph J.: *See*—
Pick, Eric, and Carlson.
- Carlson, Marie E. H. W., assignee: *See*—
Thompson, Richard A., Eriksson, and Carlson.
- Carlson, Marvin C.: *See*—
Pop, Rudolf, and Carlson.
- Carlson, Oscar, Spokane, Wash. Saw blade and handle. 2,455,853, Dec. 7.
- Carlson, Raymond E.: *See*—
Ash, Arthur B., Carlson, Koslin, and Vaughn.
- Carlson, Richard, Hamilton, Mont. Telescope mounting for guns. 2,450,466, Oct. 5.
- Carlson, Robert W.: *See*—
Burlingame, Ernest D., Carlson, Nicholson, and Scott.
- Carlson, Swan O., Paton, Iowa. Air pressure water system. 2,450,781, Oct. 5.
- Carlson, Thomas L. I., Minneapolis, Minn. Parts rack. 2,436,289, Feb. 17.
- Carlson, Vernon E., Short Hills, assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,449,450, Sept. 14.
- Carlson, Warner W., assignor to Mellon Institute of Industrial Research, Pittsburgh, Pa. Hydroxyethylation. 2,448,767, Sept. 7.
- Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated wave detector. 2,456,915, Dec. 21.
- Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated carrier receiver. 2,457,207, Dec. 28.
- Carlson, Wendell L., and H. L. Donley, Princeton, N. J., assignor to Radio Corporation of America. Frequency multiplier network. 2,443,094, June 8.
- Carlson, Wilbur L., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Circuit breaker. 2,435,128, Jan. 27.
- Carlsson, Sven, Abrahamsberg, assignor to Aktiebolaget Recip, Stockholm, Sweden. Methods of producing 2-(alpha-naphthylmethyl)-imidazoline. 2,441,867, May 18.
- Carlton, Clinton A.: *See*—
Williams, Ira, and Carlton.
- Carlton, Richard P., and H. C. Brinker, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Plasticizing proteins and products thereof. 2,434,906, Jan. 27.
- Carman & Co., Inc., assignee: *See*—
Caldwell, William E.
- Carman, Everett F., Montclair, and O. P. Berberich, Jersey City, N. J., assignors to Interchemical Corporation, New York, N. Y. Printing inks. 2,439,380, Apr. 13.
- Carmichael, Asa B., Sr., Tujunga, Calif. Combination uterine dilator and gauze packer. 2,435,531, Feb. 3.
- Carmichael, Robert, Lakewood, and A. W. Seidler, Cleveland, Ohio, assignors to National Carbon Company, Inc. Staked type shunt connection for carbon brushes. 2,436,852, Mar. 2.
- Carmo, John J., Arlington, Mass. Poultry feeder. 2,445,165, July 13.
- Carmody, Don R., Dallas, and L. G. Sharp, Irving, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Polymerization process. 2,447,313, Aug. 17.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Torque converter with friction clutch. 2,442,840, June 8.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Electromagnetic actuator. 2,445,561, July 20.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission and control therefor. 2,449,586, Sept. 21.
- Carnagua, Harold E., and C. L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Multiple clutch construction with synchronizing clutches for change-speed transmission. 2,443,597, June 22.
- Carnahan, Chalon W., Evanston, Ill., assignor to Zenith Radio Corporation. Noise reducing circuits. 2,447,564, Aug. 24.
- Carnahan, Chalon W., Oak Park, assignor to Zenith Radio Corporation, Chicago, Ill. Frequency modulated picture receiver. 2,435,736, Feb. 10.
- Carnahan, Chalon W., Oak Park, assignor to Zenith Radio Corporation, Chicago, Ill. Frequency-modulation radiophonograph combination. 2,444,218, June 29.
- Carnahan, Orson A., Syracuse, N. Y. Fluid pressure mechanism. 2,441,797, May 18.
- Carnegie, Herbert S., and H. Dolan, Stafford, assignors to The English Electric Company Limited, London, England. Induction motor control by electric brake. 2,437,996, Mar. 16.
- Carnegie-Illinois Steel Corporation, assignee: *See*—
Burkhart, Raymond A., and Finlayson.
Collins, Tappan.
Dahlgren, George, and Lautenbach.
Dailey, William H., Jr.
Dailey, William H., Jr., and Di Nucci.
Detrich, Epily C.
Dunn, Edward J.
Forsythe, John W.
Harris, Elmer F.
Hedges, Don F.
Holman, Robert W.
Kinnear, James W., Jr.
Komorowski, Stanley A.
Larkin, Charles A.
Muddiman, Earl R. and Winterhalter.
Marburg, Edgar.
Maurer, Walter C.
Moroco, Philip.
O'Hara, Charles M.
Reichenbach, Albert T.
Rendel, George H.
Roff, Edmund L., and Wantland.
Sanderson, Robert I.
Scheff, Frederick K.
Schulze, Arthur R.
Schutte, Harry S.
Steudel, George E.
Tree, George.
Vickroy, George S.
Wells, Joseph H., and Wilson.
Westerholm, Gustaf.
Wilson, Philip J., Jr., Wells, and Liebel.
Zahutnik, Walter A.
- Carnell, Paul H.: *See*—
Hovey, Roger S., and Carnell.
- Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Lubricant. 2,449,689, Sept. 21.
- Carney, Thomas P.: *See*—
McElvain, Samuel M., and Carney.
- Carpenter, Albert J., Jr., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Self-locking paper roll chuck. 2,446,690, Aug. 10.
- Carpenter, Arthur J.: *See*—
Wak, Peter T., Jr., and Carpenter.
- Carpenter, Carson R., Charlotte, N. C. Hernia truss. 2,453,195, Nov. 9.
- Carpenter, Charles C., Grand Forks, N. Dak. Stretcher with skeletal traction facilities. 2,449,767, Sept. 21.
- Carpenter Container Corporation, assignee: *See*—
Carpenter, Herbert L.
- Carpenter, David E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coil winding machine. 2,445,937, July 27.
- Carpenter, Edith, Chicago, Ill. Sanitary napkin holding means. 2,452,181, Oct. 26.
- Carpenter, Edward B.: *See*—
Fields, William C., Carpenter, and Finney.

- Carpenter, Erwin L.: *See*—
Davis, Harold S., and Carpenter.
- Carpenter, Erwin L., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing succinonitrile. 2,434,606, Jan. 13.
- Carpenter, Erwin L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of alkylene cyanohydrins. 2,453,062, Nov. 2.
- Carpenter, Glen F., Des Moines, Iowa. Traction device for vehicle wheels. 2,457,208, Dec. 28.
- Carpenter, Gurdeon E., Sauk Centre, Minn. Duck decoy. 2,441,753, May 18.
- Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Container. 2,456,047, Dec. 14.
- Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Sectional container and coupling. 2,456,048, Dec. 14.
- Carpenter, Joseph E.: *See*—
Booth, Robert B., and Carpenter.
- Carpentier, Leoni, Montreal, Quebec, Canada. Toolholder. 2,437,779, Mar. 16.
- Carpenter, Marion S., Nutley, and W. M. Easter, Jr., Lodi, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. 3-tertiary-butyl-4-alkoxy benzaldehydes. 2,450,877, Oct. 12.
- Carpenter, Marion S., Nutley, and W. M. Easter, Jr., Lodi, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. 3-tertiary-butyl-4-alkoxy-5-nitro benzaldehydes. 2,450,878, Oct. 12.
- Carpenter, Marion S., Nutley, and W. M. Easter, Jr., Lodi, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. 2,4-di-tertiary-butyl-5-methoxy benzaldehyde. 2,450,879, Oct. 12.
- Carpenter, Otto W., Jr., special administrator: *See*—
Kearney, Edward J.
- Carpenter Steel Company, The, assignee: *See*—
Fetzer, Maurice C., and Kemper.
Fetzer, Maurice C., and Post.
- Carr, Charles H., Boston, Mass. Therapeutic device. 2,450,935, Oct. 12.
- Carr, Leo F., Painesville, Ohio. Grinding wheel. 2,438,203, Mar. 23.
- Carr, Edward L., and G. E. P. Smith, Jr., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization accelerator. 2,445,722, July 20.
- Carr, Sarah J., assignee: *See*—
Carr, Walter E.
- Carr, Walter E., assignor by decree of distribution to S. J. Carr, Spokane, Wash. Drill bit assembly. 2,454,771, Nov. 30.
- Carr, William P., Rossford, assignor to The De Vilbiss Company, Toledo, Ohio. Applying coatings to molded or cast articles. 2,454,910, Nov. 30.
- Carraway, Thomas W., Dallas, Tex. Air conditioning apparatus. 2,437,936, Mar. 16.
- Carrie, Thomas G., Montreal, Quebec, Canada. Connecting rod assembly for internal-combustion engines. 2,448,079, Aug. 31.
- Carrier Corporation, assignee: *See*—
Goddard, Merrill B.
Peglow, Walter.
Schulz, Edward L., and Bailey.
Trumpler, William E.
- Carrier, Marcel, Sillans, France; vested in the Attorney General of the United States. Shoe for sports and the like. 2,444,428, July 6.
- Carriere, John G.: *See*—
Collier, Robert T., and Carriere.
- Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing nitriline sulfonic acids. 2,450,747, Oct. 5.
- Carroll, Burt H., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Optically supersensitized photographic silver halide emulsion. 2,448,853, Sept. 7.
- Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide emulsion supersensitized with a *c*-acyloxy quinoline base. 2,450,748, Oct. 5.
- Carroll, Clayton C.: *See*—
Byler, William H., and Carroll.
- Carroll, Fred M., Binghamton, and A. B. Benson, Union, assignors to International Business Machines Corporation, New York, N. Y. Plural storage device accounting machine. 2,438,036, Mar. 16.
- Carroll, Fred M., and J. H. Bakelaar, Binghamton, and W. B. Pond, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,442,970, June 8.
- Carroll, Gay V., Houston, Tex. Bone saw. 2,455,655, Dec. 7.
- Carroll, James J., Grosse Pointe Park, Mich. Internal-combustion engine. 2,447,314, Aug. 17.
- Carroll, Thomas, assignor to Massey-Harris Co., Ltd., Toronto, Ontario, Canada. Mechanism for adjusting wheel carrying sprockets in vehicle chain drives. 2,443,723, June 22.
- Carroll, William B., Jr., Schoolfield, Va., assignor to Dan River Mills, Incorporated. Dyed cellulose ethers and dyeing of fabrics therewith. 2,448,515, Sept. 7.
- Carrozza, Theodore, New York, N. Y. Interlocking partition structure. 2,456,049, Dec. 14.
- Carruthers, Earl C., Providence, R. I. Coin packaging device. 2,444,804, July 6.
- Carruthers, Eben H., Ithaca, N. Y. Expansible and contractible means for compressing and shaping a yielding pliant mass. 2,434,607, Jan. 13.
- Carruthers, J. H., and Company Limited, assignee: *See*—
Johnstone, George K.
- Carry-Cab Corporation, assignee: *See*—
Manning, Fowler.
- Carson, Boyce G., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metalized pyrazolone azo dyes. 2,443,226, June 15.
- Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Packaging. 2,438,089, Mar. 16.
- Carson, Clifford C., Washington, D. C., Flash steam eliminator. 2,449,055, Sept. 14.
- Carson, George J., Worcester, Mass., assignor to O. S. Walker Company, Inc. Magnetic chuck top plate. 2,435,737, Feb. 10.
- Carson, Percy A., East Cleveland, Ohio, assignor to General Electric Company. Cushioned display container. 2,451,806, Oct. 19.
- Carson, William F., Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Isomerization of pinene to camphene. 2,450,119, Sept. 28.
- Carsten, Hans R. F., Liverpool, and C. H. M. Thorpe, Huyton, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Coupling for coaxial cables. 2,439,841, Apr. 20.
- Carswell, Thomas S., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Insolubilizing hydrolyzed polyvinyl acetate. 2,441,470, May 11.
- Carswell, Thomas S., Longmeadow, and R. F. Hayes, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of hydroxyethyl-2,5-dichlorobenzene. 2,449,877, Sept. 21.
- Carter, Albert C., assignor of one-half to A. Buchmann, one-fourth to J. Mintz, and one-fourth to M. E. Levinson, Cincinnati, Ohio. Liquid filled dice agitator. 2,452,730, Nov. 2.
- Carter, Arthur D., Gastonia, N. C. Knot. 2,438,537, Mar. 30.
- Carter, Arthur D., Gastonia, N. C. Knot. 2,438,538, Mar. 30.
- Carter, Ben, Granite City, Ill., assignor of one-half to R. V. Waga, Rolla, Mo. Barrel closing ring. 2,453,492, Nov. 9.
- Carter Carburetor Corporation, assignee: *See*—
Berry, Russell G.
Bicknell, George M.
Brown, Morris C.
Dulong, Roger R.
Edelen, James L.
Ericson, George R.
Kommer, Fred A., and Boehlow.
Korte, Alfred C., and Szwargulski.
Walther, Paul H.
- Carter, Charles H., Mount Pocono, Pa. Suspension hook. 2,456,374, Dec. 14.
- Carter, Chester W.: *See*—
Ashworth, Fred, and Carter.
Goodhue, William V., and Carter.
- Carter, Clarence F., Danville, Ill. Apparatus for filling containers employing vacuum and mechanical feeders. 2,443,182, June 15.
- Carter, Donald W., Cleveland Heights, Ohio. Diamond tool dresser. 2,438,147, Mar. 23.
- Carter, Edwin C., Rio Grande City, Tex. Artificial limb. 2,453,969, Nov. 16.
- Carter, Elmer C., West Milton, and C. G. Dudis, assignors to The National Cash Register Company, Dayton, Ohio. Printing control means for cash registers. Re. 22,999, May 11.
- Carter, George I., Longmeadow, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Burner head for boilers. 2,443,575, June 15.
- Carter, Herman T., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Double balanced modulator. 2,455,732, Dec. 7.
- Carter, James C., Pasadena, Calif. Sealing unit and gasket. 2,452,832, Nov. 2.
- Carter, James M.: *See*—
Zwicky, Fritz, Ewing, Carter, and Stosick.
- Carter, John C., Berkeley, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Purification of sulphonic salts. 2,441,258, May 11.
- Carter, John M., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator and cathode construction for electricity of ultra high frequency. 2,456,861, Dec. 21.
- Carter, Mitchell, Yardley, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of sponge rubber. 2,445,732, July 20.
- Carter, Philip S., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Cavity resonator circuit. 2,444,152, June 29.
- Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Broadcast antenna. Re. 23,051, Nov. 23.
- Carter, Ralph B., Company, assignee: *See*—
Jones, Fred C.
Laughlin, William C.

- Carter, Raymond S., Cuyahoga Falls, and M. L. Dorf, assignors to Wingfoot Corporation, Akron, Ohio. Wedge belt. 2,442,037, May 25.
- Carter, Raymond S., Cuyahoga Falls, and M. L. Dorf, assignors to Wingfoot Corporation, Akron, Ohio. Making transmission belts. 2,456,580, Dec. 14.
- Carter, Robert E., Mount Holly Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Removable game pocket. 2,448,416, Aug. 31.
- Carter, Russell W., assignor of thirty per cent to Wheelock and Cummins, Inc., Des Moines, Iowa. Mechanical movement device. 2,447,931, Aug. 24.
- Carter, William, Company, The, assignee: *See*—Redmond, Harriet L.
- Carter, William J.: *See*—Goldberg, Harry, Siwek, Long, and Carter.
- Carter, William J., Seattle, Wash. Electric range. 2,437,376, Mar. 9.
- Carter, William R., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Voltage regulator. 2,443,300, June 15.
- Cartmill, Harold, and C. Carey, Chiliwack, British Columbia, Canada. Vacuum scuffer. 2,455,226, Nov. 30.
- Cartmill, Holley, San Bernardino, Calif. Pedal scooter. 2,436,199, Feb. 17.
- Cartotto, Edward, assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Circuit for obtaining pulsating current output as a function of direct-current input. 2,447,232, Aug. 17.
- Cartter, William G., Monrovia, Calif. Overhead gas-fired radiator and reflector. 2,439,038, Apr. 6.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Double-ended electric incandescent lamp. 2,434,757, Jan. 20.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Sealing-in method for lamps and similar devices. 2,447,158, Aug. 17.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp terminal structure and manufacture. 2,447,159, Aug. 17.
- Cartwright, Horace A., Galion, Ohio. Automatic valve-actuating mechanism. 2,436,419, Feb. 24.
- Cartwright, Horace A., Galion, Ohio. Variable output pump. 2,445,603, July 20.
- Caruso, Mario, Maplewood, assignor to C-Eight Laboratories, Newark, N. J. Article ejector for vending machines. 2,455,976, Dec. 14.
- Caruso, Rocco P., Newark, assignor of forty-five per cent to R. W. Smith, Arlington, N. J., and ten per cent to A. D. T. Libby. Fishing rig. 2,456,254, Dec. 14.
- Carville, Theodore E. M., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-speed single-phase motor. 2,454,136, Nov. 16.
- Carwile, Sylvia C., Roanoke, Va. Animal bed and scratcher. 2,441,058, May 4.
- Cary, Philip E., Perryville, Md., assignor to International Harvester Company. Refrigeration system including an internal-combustion engine and control means therefor. 2,435,498, Feb. 3.
- Cary, Raymond J., Jr., Long Beach, Calif., assignor to the United States of America as represented by the Secretary of War. Tunable inductance. 2,448,296, Aug. 31.
- Casablanca High Draft Company Limited, assignee: *See*—Noguera, Joseph.
- Casalino, Joseph, Forest Hills Gardens, N. Y., assignor to Nuvoplas Corporation, New York, N. Y. Compact. 2,438,841, Mar. 30.
- Casaroli, Ernest J., Detroit, Mich. Adjustable control device. 2,445,602, July 20.
- Cascia, Angelo, Bronx, N. Y. Blindlike shade. 2,450,782, Oct. 5.
- Casco Products Corporation, assignee: *See*—Allenby, William F. Johnson, Arthur A. Youhouse, Joseph.
- Case Company, assignee: *See*—Case, Leslie C.
- Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Cutlery display board. 2,457,032, Dec. 21.
- Case, Harold W., Dayton, Ohio. Instrument panel for aircraft cockpits. 2,454,272, Nov. 23.
- Case, J. I., Company, assignee: *See*—Clausen, Leon R. Hansen, Charles W., and Kranick. Hedquist, Milton T., and Haley. Heth, Sherman C. Irvine, Houston N. Jackson, Melvin F. Marsh, John L. Russell, Stanley D. Rutter, Alvah E.
- Case, Leslie C., Los Angeles, Calif., assignor to Case Company. Dispensing mechanism. 2,443,376, June 15.
- Case, Percival H., assignor to Universal Camera Corporation, New York, N. Y. Water- and weatherproofing construction of casings for binoculars. 2,454,859, Nov. 30.
- Case, Rogers, Orange, N. J. Wire-transposing device. 2,436,789, Mar. 2.
- Case, Rogers, Orange, N. J. Reinforced wire-contacting insulator assembly. 2,437,593, Mar. 9.
- Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Wire transposing device. 2,453,227, Nov. 30.
- Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Transposition bracket. 2,455,228, Nov. 30.
- Case, Rogers, Orange, N. J., assignor to Transadean Associates, Inc., New York, N. Y. Transposition bracket. 2,455,229, Nov. 30.
- Case, W. R., & Sons Cutlery Co., assignee: *See*—Barnard, Harlin W., and Johnson, and Carey.
- Casellini, Ezio T., Salem, and L. Burns, Swampscott, assignors to Sylvania Electric Products Inc., Salem, Mass. Copper oxide rectifier element. 2,441,119, May 4.
- Caserta, Michele, Detroit, Mich. Shaft seal. 2,445,207, July 13.
- Caserta, Michele, Detroit, Mich. Rotary pump and packing therefor. 2,457,643, Dec. 28.
- Cash, A. W., Company, assignee: *See*—Temple, Paul C. Terry, Charles M.
- Cashman, Aloysius F.: *See*—Hodges, Caleb E., and Cashman. Lieber, Eugene, and Cashman.
- Cashman, Edward P.: *See*—Lieber, Eugene, and Cashman.
- Cashman, Robert J., Glenview, Ill., assignor to Northwestern University. Photocell of lead sulfide. 2,448,516, Sept. 7.
- Cashman, Robert J., Glenview, Ill., assignor to Northwestern University. Photocell. 2,448,517, Sept. 7.
- Cashman, Robert J., Glenview, Ill., assignor to Northwestern University. Photocell. 2,448,518, Sept. 7.
- Caskey, Henry T., Oakland, Calif. Adjustable automatic saw-table gauge. 2,435,382, Feb. 3.
- Casler, Leslie R., and L. F. Milner, Indianapolis, Ind. Electrical outlet structure. 2,457,347, Dec. 28.
- Casnati, Lola A., New York, N. Y. Sanitary holder for small articles. 2,439,335, Apr. 6.
- Casnati, Lola A., New York, N. Y. Apparatus for massaging portions of the body. 2,441,868, May 18.
- Caspar, Frank A., assignor to Pak Parachute Company Limited, Tiverton, England. Meteorological balloon. 2,455,469, Dec. 7.
- Casper, Ervin J., assignor of one-half to K. K. Casper, Vallejo, and one-half to W. H. Wilson, San Francisco, Calif. Caster. 2,437,907, Mar. 16.
- Casper, Joseph E., assignee, et al.: *See*—Du Mont, Frank J., and Sargent.
- Casper, Kenneth K., assignee, et al.: *See*—Casper, Ervin J.
- Casperson, Carl E., Tulsa, Okla. Swivel joint for rotary drilling. 2,434,684, Jan. 20.
- Cass, Oliver W.: *See*—Vining, William H., and Cass.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of acetals. 2,433,890, Jan. 6.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrofluorination of polyfluoroalkanes. 2,442,993, June 8.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorination of ethanol. 2,443,183, June 15.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of unsaturated chloronitriles. 2,443,494, June 15.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photochlorination of acetylene. 2,456,173, Dec. 14.
- Cass, Oliver W., and H. B. Copelin, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorination of furan. 2,443,493, June 15.
- Cass, Thomas F., Jr., Wayne, D. Kirk, Chicago, Ill., and F. W. Langan, Lincoln, Mass., assignors to Container Corporation of America, Chicago, Ill. Apparatus for sealing containers. 2,447,997, Aug. 24.
- Cass, William E.: *See*—Norlander, Birger W., and Cass.
- Cass, William E., Schenectady, N. Y., assignor to General Electric Company. Preparation of tetrahalogenated benzenes and benzoic acids. 2,439,237, Apr. 6.
- Cassee, Ewout: *See*—Klinkhamer, Hendrik A. W., and Cassee.
- Cassel, Hans M., Plainfield, N. J. Method and apparatus for measuring surface tension. 2,448,768, Sept. 7.
- Cassell, Lloyd H., Los Angeles, Calif. Perforation cleaner and washer. 2,433,828, Jan. 6.
- Cassen, Benedict, Los Angeles, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,449,451, Sept. 14.
- Cassidy, Arthur R., assignee: *See*—Adams, Harold A.
- Cassidy, George E., Alplaus, N. Y., assignor to General Electric Company. Engine test system. 2,440,076, Apr. 20.
- Cassidy, John H., and R. M. Grunden, assignors to The Hinde & Dauch Paper Company, Sandusky, Ohio. Compartmented container. 2,450,419, Oct. 5.

- Casson, Edward A., Washington, D. C. Graining machine. 2,440,931, May 4.
- Casson, Nicholas V., Bronx, N. Y. Ecclesiastical equipment. 2,453,892, Nov. 16.
- Castagnola, Angelo B., Oakland, Calif. Molder's flask. 2,453,893, Nov. 16.
- Castberg, Thomas: *See*—
Lynch, Frank W., and Castberg.
- Castedello, William: *See*—
Schwartz, Morris, and Castedello.
- Castedello, William, assignor to The Kalart Company Inc., Stamford, Conn. Photoflash synchronizing device for cameras. 2,439,417, Apr. 13.
- Castel, Maurice, Freeport, N. Y. Hand device for attaching gummed labels. 2,435,129, Jan. 27.
- Castellan, Carl A.: *See*—
Stanley, Richard W., and Castellan.
- Castellan, Carl A., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,446,525, Aug. 10.
- Castiglia, Biagio, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Wheel gauge for vehicles. 2,438,358, Mar. 23.
- Castle, Carl H., assignor to The Sturgis Products Company, Sturgis, Mich. Method of tumbling barrel finishing and material and production thereof. 2,439,156, Apr. 6.
- Castle, James B., Oakland, assignor to Reconstruction Finance Corporation, San Francisco, Calif. Vehicle mounted front end loader. 2,449,160, Sept. 14.
- Castle, William E., Fontana, Calif. Grommet setting implement. 2,445,761, July 27.
- Castner, James B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration apparatus. 2,438,204, Mar. 23.
- Castoe, Floyd H., Dallas, Tex. Spot removing machine. 2,444,728, July 6.
- Caston, Pierre, assignor to De Trey Freres S. A., Zurich, Switzerland. Manufacture of thermo-setting synthetic resins by the polymerization of alkylene oxide derivatives. 2,444,333, June 29.
- Caswell, George A., assignor to Taylor Instrument Companies, Rochester, N. Y. Shakedown device for thermometers. 2,447,635, Aug. 24.
- Catalin Corporation of America, assignee: *See*—
Flood, William E., and Kosinszki.
- Catalina, Inc., assignee: *See*—
Guthues, Leo B.
- Catalyst Research Corporation, assignee: *See*—
Frazer, Joseph C. W., and Bennett.
- Cate, Paul E., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Method and apparatus for bonding thin sections to heavier members. 2,450,120, Sept. 28.
- Caterpillar Tractor Co., assignee: *See*—
Burks, George E.
Johnson, Lloyd E.
Rosen, Carl G. A.
- Catheron, Allan R.: *See*—
Philbrick, George A., and Catheron.
- Cathey, Clarence D., and J. E. Miller, Checotah, Okla. Washing machine. 2,453,620, Nov. 9.
- Cathey, Robert S., and L. D. Clarke, Portland, Oreg.; said Clarke, assignor to said Cathey. Support for newspaper bags. 2,454,732, Nov. 23.
- Catizone, Daniel, New York, N. Y. Infant's garment. 2,451,807, Oct. 19.
- Catlin, John P., Fairfield, G. R. Eckstein, Bridgeport, Conn., and M. B. Vordahl, Richland, Wash., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Necking and tapering cartridge cases. 2,442,841, June 8.
- Catlin, Louis F., Jr.: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin.
- Catlin, Louis F., Sr., R. Rourke, and L. F. Catlin, Jr., assignors to Apex Tool & Cutter Company, Shelton, Conn. Milling tool. 2,455,230, Nov. 30.
- Catron, Joe D., Rosenberg, Tex. Revolving card file and posting table. 2,452,291, Oct. 26.
- Caughey, Robert A., Wilton, N. H. Apparatus for drying finely divided materials while suspended in a gas. 2,456,674, Dec. 21.
- Caughrean, Milo C., Seattle, Wash. Heavy-duty sled. 2,442,918, June 8.
- Cauley, Stephen P.: *See*—
Happel, John, and Cauley.
- Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method of removing mercaptans from a liquid mixture of hydrocarbons containing low-boiling and high-boiling mercaptans. 2,446,507, Aug. 3.
- Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Production of commercially pure mercaptans and disulfides. 2,455,656, Dec. 7.
- Caulkins, Cecil P., assignor to American Ordnance Corporation, New London, Conn. Mortar mount. 2,444,334, June 29.
- Cautley, John R., assignor to Bendix Aviation Corporation, South Bend, Ind. Means for causing prerotation of aircraft wheels. 2,452,633, Nov. 2.
- Cauwenberg, Winfred J.: *See*—
Aagaard, Lelf, and Cauwenberg.
Aagaard, Lelf, Cauwenberg, and Whately.
- Cavalcanti, Benjamin A. D., Rio de Janeiro, Brazil. Altimetric-stereo-corrector. 2,448,484, Aug. 31.
- Cavalier Corporation, assignee: *See*—
Reilly, William I.
- Cavallito, Chester J., Rensselaer, and F. K. Kirchner, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Preparing penicillin. 2,446,574, Aug. 10.
- Cavanagh, Agnes L.: *See*—
Cavanagh, John F.
- Cavanagh, John F.: *See*—
Kenney, George M., and Cavanagh.
- Cavanagh, John F., Providence, R. I., assignor to J. F. and A. L. Cavanagh, as joint tenants. Implement for driving staples. 2,434,260, Jan. 13.
- Cavanagh, John F., Providence, assignor to N. G. Burke, Warwick, R. I. Electrical appliance cord. 2,446,907, Aug. 10.
- Cavanagh, John R.: *See*—
Meno, Stanley J., and Cavanagh.
- Cavanagh, Robert T., Toronto, Ontario, Canada, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Direct-current amplifier. 2,445,938, July 27.
- Cave, Donald E., Griffin, Ind. Tie rod end installation. 2,457,444, Dec. 28.
- Cavins, Omar A., Taft, Calif. Golf putting device. 2,456,813, Dec. 21.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Focus control for television image tubes. 2,434,196, Jan. 6.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Television image tube. 2,437,418, Mar. 9.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electrooptical device. 2,440,735, May 4.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Image analyzing tube. 2,440,736, May 4.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Aircraft antenna. 2,440,737, May 4.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Wave generator. 2,440,895, May 4.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Differentiating discharge tube. 2,446,260, Aug. 3.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Deflecting coil. 2,457,773, Dec. 28.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Inductively coupled band-pass filter. 2,457,774, Dec. 28.
- Cawein, Madison, and R. W. Sanders, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Panoramic receiving system. 2,445,562, July 20.
- Cecchini, Angelo, Astoria, Long Island, N. Y. Electric stove with utensil retaining means. 2,448,417, Aug. 31.
- Cedar Corp'n, assignee: *See*—
Dupuy, Charles F. J.
- Cedarholm, Oscar R., Quincy, Mich., assignor of twenty per cent to O. R. Cedarholm, Jr., Fairfield, Conn. Vehicle bumper jack. 2,456,375, Dec. 14.
- Cedarholm, Oscar R., Jr., assignee: *See*—
Cedarholm, Oscar R.
- Celanese Corporation of America, assignee: *See*—
Allan, John.
Argyle, Christopher S., and Gibson.
Balch, Ralph H., and McCormick.
Bell, Angus S., and Greenwood.
Bludworth, Joseph E., and Easter.
Bludworth, Joseph E., Robeson, and Truby.
Cannon, Paul H.
Creamer, Robert M.
Daly, Arthur J., and Lowe.
Dodge, Frederick G.
Dreyfus, Camille, Rowley, and Thompson.
Dreyfus, Henry.
Dreyfus, Henry, and Finlayson and Perry.
Dreyfus, Henry, and Pool.
Dreyfus, Henry, Rooney, and Shaw.
Eastwood, Donald R.
Elvin, William J., Shaffer, and Stahl.
Elvin, William J., and Stahl.
Fallows, Leonard, and Mellers.
Fonville, John L., and Barneycastle.
Haney, Clifford I., Martin, and Sherk.
Jackson, Thomas, and Hill.
Jones, John E.
Keight, Albert W.
Miller, Samuel A., and Groombridge.
Moncrieff, Robert W.
Moncrieff, Robert W., and Pool.
Plunkett, Brian, and Pama.
Roberts, Robert P.
Rooney, James H., Sharphouse, and Hawtin.
Santoro, Ovid, and Jaskot.
Schwartz, Aaron.
Seymour, George W., and Fortress.
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Edwards.

- Celanese Corporation of America, assignee: *See*—Continued.
- Seymour, George W., Salvin, and Hieserman.
Seymour, George W., Ward, and Hunter
Seymour, George W., White, and Barabash.
Shuman, Royal L.
Simpson, William J., and Finlayson.
Ward, George C., and Salvin.
White, Francis T., and Daly.
- Cellomold Limited, assignee: *See*—
Davies, Drury N.
- Cellwork, William E., assignor to Standard Steel Works, Kansas City, Mo. Valve for spray bars. 2,439,539, Apr. 13.
- Celotex Corporation, The, assignee, et al.: *See*—
Elmendorf, Armin, and Lief.
Krajci, Samuel, and Savage.
Muench, Carl G.
- Cemenstone Corporation, The, assignee: *See*—
Henderson, Albert.
- Central Bank and Trust Company, executor: *See*—
McLaren, Peter J., Vaughan, and Fry.
- Central Commercial Company, assignee: *See*—
Koehl, James A.
- Central Mine Equipment Co., assignee: *See*—
Patterson, James M.
- Central Soya Company, Inc., assignee: *See*—
Gunther, James K., and Sair.
- Centrifex Corporation, assignee: *See*—
Wright, Bruce R.
- Century Geophysical Corporation, assignee: *See*—
Morrow, Marvin E.
- Cercownay, John M., Fort Lauderdale, Fla. Table assembly for automobiles. 2,451,275, Oct. 12.
- Cerna, Wendell W., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Boiling out steam boilers prior to placing them in operation and composition therefor. 2,439,784, Apr. 13.
- Cerruti, Leland G.: *See*—
Gattuccio, Salvatore, and Cerruti.
- Certain-teed Products Corporation, assignee: *See*—
Dryer, Eldon O.
- Certain-Teed Products Corporation, assignee, et al.: *See*—
Elmendorf, Armin, and Lief.
- Cesareo, Orfeo: *See*—
Andrews, Ernest G., and Cesareo.
- Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system and training device for target tracking. 2,453,743, Nov. 16.
- Chabrol, Armand A., Seine, France, assignor to General Electric Company. Temperature measuring system. 2,450,269, Sept. 28.
- Chace, Paul G., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic element. 2,434,392, Jan. 13.
- Chace, Paul G., Attleboro Falls, and U. U. Savolainen, assignors to Metals & Controls Corporation, Attleboro, Mass. Radiator vent valve. 2,434,393, Jan. 13.
- Chace, Thomas B., assignor to The Dole Valve Company, Chicago, Ill. Mixer valve and control. 2,444,631, July 6.
- Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid control system. 2,453,409, Nov. 9.
- Chace, W. M., Company, assignee: *See*—
Alban, Clarence F.
- Chadkewicz, Alexander: *See*—
Nims, Paul T., and Chadkewicz.
- Chadsey, Fred P., Fillmore, Calif. Airplane deicing and engine silencing construction. 2,446,210, Aug. 3.
- Chadwick, Earl L., Portland, Oreg. Stove pipe fastener. 2,455,406, Dec. 7.
- Chadwick, George A.: *See*—
Wright, Carleton H., Chadwick, and Burk.
- Chadwick, George A., Detroit, Mich., and P. H. Girouard, Washington, D. C. Door operating mechanism for powder holsts. 2,452,035, Oct. 26.
- Chadwick, George A., and P. W. Burk, Washington, D. C. Machine gun. 2,453,830, Nov. 16.
- Chadwick, George A., Washington Grove, Md., and P. H. Girouard, Washington, D. C. Ammunition stowage and handling. 2,456,620, Dec. 21.
- Chadwick, Vincent, Chelsea, and O. I. E. Hallberg, Boston, Mass. Water rheostat control. 2,457,124, Dec. 28.
- Chafee, Earl W., Grent Neck, and H. C. Van Auken, Manhasset, N. Y., assignors to The Sperry Corporation. Bomb release mechanism. 2,435,575, Feb. 10.
- Chaffin, Paul, Harristown, Ill. Trailer hitch. 2,435,383, Feb. 3.
- Chaille, Charles J., assignor to Aeronca Aircraft Corporation, Middletown, Ohio. Tube bender. 2,456,675, Dec. 21.
- Chain Belt Company, assignee: *See*—
Hilkemeier, Louis G.
Hilkemeier, Louis G., and Viall.
Klancke, Hermann.
Klein, Robert E.
Lind, Arthur C.
Lind, Arthur C. and Klein.
Longenecker, Charles I.
Longenecker, Charles I., and Quast.
McMillan, Andrew.
Miller, Arthur E., Viall, and Lindow.
Schiro, Raymond M. G.
Schmidt, Oliver G.
- Chalberg, Harry W. A., Berne, N. Y., assignor to General Electric Company. Portable cathode-ray oscilloscope. 2,440,538, Apr. 27.
- Chalberg, Harry W. A., Berne, N. Y., assignor to General Electric Company. Electric blanket control. 2,456,916, Dec. 21.
- Chalfin, Norman L., New York, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Piezoelectric apparatus. 2,447,160, Aug. 17.
- Chalcarne, Gabriel, assignor to Societe Anonyme: Forges & Ateliers De Meudon, Meudon, France. Pneumatic chuck. 2,454,593, Nov. 23.
- Chalkley, Lyman, Brick Township, Ocean County, N. J. Photochemical preparation of stable dyes. 2,441,561, May 18.
- Challis, Kenneth J.: *See*—
Dimsdale, Wilfrid H., and Challis.
- Chalmers, Thomas H., New York, N. Y. Eye shade. 2,441,659, May 18.
- Chalos, Marcel, Paris, France. Pretensioned reinforcement. 2,449,276, Sept. 14.
- Chalupa, Joseph F., Norwood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,441,135, May 11.
- Chamberlain, Beverly H.: *See*—
Mace, Harry W., and Chamberlain.
- Chamberlain, Clark W., East Lansing, Mich. Method and apparatus for molecular absorption of vibration. Re. 22,995, Apr. 27.
- Chamberlain Company of America, assignee: *See*—
Willett, Leon E.
- Chamberlain, Edward G.: *See*—
Hargrave, John E., and Chamberlain.
- Chamberlain, James M. W., assignee, et al.: *See*—
Nathan, Tracy D., Rowe, and Chamberlain.
- Chamberlain, James M. W., Fairlawn, Ohio. Fluid-coupling assembly. 2,448,769, Sept. 7.
- Chamberlain, James M. W., Fairlawn, assignor to United States Stoneware Company, Akron, Ohio. Fluid-retaining joint and method of making the same. 2,451,070, Oct. 12.
- Chamberlain, Paul A., assignor to Signode Steel Strapping Company, Chicago, Ill. Bundle binding machine. 2,438,386, Mar. 23.
- Chamberlin, John W., Mequon, and J. F. Horvath, assignors to Cleaver-Brooks Company, Milwaukee, Wis. Apparatus for treating articles or units of material in a liquid bath. 2,442,484, June 1.
- Chamberlin, Richard H., assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,444,281, June 29.
- Chambers, Albert M., Jr., assignor to The Garlock Packing Company, Palmyra, N. Y. Oil seal. 2,434,485, Jan. 13.
- Chambers, Albert M., Jr., Pittsford, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y. Oil seal. 2,434,484, Jan. 13.
- Chambers, Allan C., assignor to Bendix Aviation Corporation, South Bend, Ind. Inertia-actuated switch. 2,445,873, July 27.
- Chambers, John M., Boston, assignor to Arthur D. Little, Inc., Cambridge, Mass. Vertical heating and circulating tube still. 2,449,587, Sept. 21.
- Chambers, John M., and E. V. Bunting, assignors to Harry Ferguson, Inc., Dearborn, Mich. Automatic depth control for groundworking implements. 2,437,875, Mar. 16.
- Chambers, Leslie A., Upper Darby, assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Virus vaccines. 2,445,300, July 13.
- Chambers, Leslie A., Upper Darby, assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Influenza vaccine. 2,445,301, July 13.
- Chambers, Paul A., assignor of one-half to L. E. Harris, Santa Monica, Calif. Combined signal light and rear-view mirror. 2,457,348, Dec. 28.
- Chambers, T. E., assignee: *See*—
Bower, Frank P.
- Chambliss, Hiram D., Oak Ridge, Tenn. Lathe. 2,453,744, Nov. 16.
- Champaign, Louis, New York, N. Y. Automobile and airplane wheel. 2,440,460, Apr. 27.
- Champion Forge Company, assignee: *See*—
Terhune, Howard.
- Champion Manufacturing Co., assignee: *See*—
Sanders, Eugene P.
- Champion Spark Plug Company, assignee: *See*—
Habicht, Louis A., and Vogel.
Lewis, James F., Jr.
- Champion, William J., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Dye composition. 2,440,364, Apr. 27.
- Champion, William J., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Device for winding hectograph rolls evenly. 2,448,659, Sept. 7.
- Champlain Company, Inc., assignee: *See*—
Auer, Frederick.
- Chanal, Lucien, Annecy, France; vested in the Attorney General of the United States. Record engraver suspension for sound track registering machines. 2,445,762, July 27.
- Chanal, Lucien, Annecy, France; vested in the Attorney General of the United. Feed controller for record engraver carrying carriages. 2,446,526, Aug. 10.

- Chance, A. B., Company, assignee: *See*—
Hubbard, David C.
- Chance, Franklin S.: *See*—
Hubbard, David C.
- Kvalnes, Hamline M., and Chance.
- Chandler, Edward F., Brooklyn, N. Y. Fastening device. 2,442,398, June 1.
- Chandler, James H., Oak Park, and M. J. Zimmer, Wood-
dale, assignors to Ekco Products Company, Chicago, Ill.
Can opener. 2,446,633, Aug. 10.
- Chandler, Leslie O., assignee: *See*—
Keithley, Tim E., and Chandler.
- Chandler, Milton E., New Britain, assignor, by mesne
assignments, to Niles-Bement-Pond Company, West
Hartford, Conn. Control apparatus. Re. 2,298,4, Mar.
16.
- Chandler, Milton E., New Britain, assignor, by mesne as-
signments, to Niles-Bement-Pond Company, West Hart-
ford, Conn. Control apparatus for internal-combustion
engines. 2,437,377, Mar. 9.
- Chandler, Milton E., New Britain, assignor, by mesne
assignments, to Niles-Bement-Pond Company, West
Hartford, Conn. Control apparatus for combustion en-
gines. 2,442,399, June 1.
- Chandler, Milton E., New Britain, assignor, by mesne as-
signments, to Niles-Bement-Pond Company, West Hart-
ford, Conn. Carburetor. 2,445,389, July 20.
- Chandler, Milton E., New Britain, assignor, by mesne
assignments, to Niles-Bement-Pond Company, West
Hartford, Conn. Control apparatus for internal-com-
bustion engines. 2,450,826, Oct. 5.
- Chandler Products Corporation, assignee: *See*—
Klukan, Joseph F.
- Chaney, David W., Nether Providence Township, Delaware
County, Pa., assignor to American Viscose Corporation,
Wilmington, Del. Polyfluorinated acrylonitriles.
2,439,505, Apr. 13.
- Chaney, David W., Nether Providence Township, Delaware
County, Pa., assignor to American Viscose Corporation,
Wilmington, Del. Ethers from polyfluoro acrylonitriles
and monohydric alcohols. 2,443,024, June 8.
- Chaney, David W., Nether Providence Township, Delaware
County, Pa., assignor to American Viscose Corporation,
Wilmington, Del. Polyfluorinated propionitriles.
2,456,768, Dec. 21.
- Chaney, Harry L.: *See*—
Gibbons, Donald R., and Chaney.
- Channell, James W., San Marino, Calif. Distributing ter-
minal. 2,434,102, Jan. 6.
- Chanoux, Ferdinand, Elmhurst, Long Island, N. Y. Re-
mote control light control device. 2,448,859, Sept. 7.
- Chapal Donner Corporation, The, assignee: *See*—
Donner, Carl H.
- Chapin, Harold E., Los Angeles, Calif. Bookmark.
2,437,074, Mar. 2.
- Chapin, Reynold S., Flushing, assignor to Press Wireless,
Inc., New York, N. Y. Radio telegraph receiving sys-
tem. 2,451,916, Oct. 19.
- Chapman, Fred H., Pepperell, Mass., assignor to The
International Paper Box Machine Company, Nashua,
N. H. Mechanism for feeding sheets of stiff fibrous
material. 2,449,690, Sept. 21.
- Chapman, Harold D.: *See*—
Caldwell, Hamilton P., Jr., and Chapman.
Mangold, Eli F.
- Chapman, Harvey G., Jr.: *See*—
Brant, Walter R., and Chapman.
- Chapman, James E., Phoenix, Ariz., assignor to The Gar-
rett Corporation, Los Angeles, Calif. Induction motor
brake. 2,434,034, Jan. 6.
- Chapman, James F.: *See*—
Carlin, Herbert J., and Chapman.
- Chapman, Mary E. H., Crane, Mo. Foldable kitchen
table. 2,456,862, Dec. 21.
- Chapman, Matthew H., Jr., Providence, R. I. Finger tip
moistener for baseball pitchers. 2,438,037, Mar. 16.
- Chapman, Stuart H., Lima, assignor to Westinghouse Elec-
tric Corporation, Pittsburgh, Pa. Spreader stoker ap-
paratus. 2,434,261, Jan. 13.
- Chapman, Thomas O.: *See*—
Nyvall, Yngve J., and Chapman.
- Chappell, Joseph J., Lockland, and M. R. Osborne, Cin-
cinnati, Ohio. Nail brush. 2,439,922, Apr. 20.
- Chappuis, John A., Neuchatel, Switzerland. Stamping
press for precision work. 2,448,136, Aug. 31.
- Charles, Harold H., Virden, Ill., and H. P. Behlen,
Columbus, Nebr. Keying device for aviation ground
trainer signaling equipment. 2,441,136, May 11.
- Charles, Howard S., assignor of one-half to H. C. Morris,
Toronto, Ontario, Canada. Locking device for inter-
fitting members. 2,445,020, July 13.
- Charley, Walter F., Central Point, assignor of one-half to
E. E. Nill, Medford, Oreg. Adjustable trestle or the
like. 2,440,847, May 4.
- Charlin, André M. B., Montrouge, France. Winding device
for cinematograph films and other applications.
2,437,997, Mar. 16.
- Charlton, William, and J. B. Harrison, Blackley, Man-
chester, England, assignors to Imperial Chemical In-
dustries Limited. Reaction of an etherified melamine-
formaldehyde condensation product with an etherified
phenol-formaldehyde condensation product. 2,451,153,
Oct. 12.
- Charney, Jesse: *See*—
Alburn, Harvey E., Charney, and Bernhart.
- Charney, Jesse, New York, N. Y., assignor to Wyeth Incor-
porated, Philadelphia, Pa. Solutions of riboflavin.
2,445,208, July 13.
- Charney, Jesse, New York, N. Y., assignor to Wyeth
Incorporated, Philadelphia, Pa. Solutions of riboflavin.
2,449,640, Sept. 21.
- Charrier, George M., Collingswood, N. J., assignor to Radio
Corporation of America. Recognition system for pulse
echo radio locators. 2,453,970, Nov. 16.
- Chase, Alvin, assignor to The Bristol Company, Water-
bury, Conn. Tappet-actuating member. 2,444,495,
July 6.
- Chase, Arthur E.: *See*—
Bourne, Roland B., and Tyskewicz, and Chase.
- Chase Brass & Copper Co. Incorporated, assignee: *See*—
Crampton, Donald K., Petersen, and Wood.
Mellette, Cyril W.
Trudeau, Andre J.
- Chase Candy Company, assignee: *See*—
Barnett, Joseph J.
- Chase, Ernest E., E. S. Nokes, and F. E. Stratton, Beverly,
and W. V. Goodhue, Ipswich, Mass., assignors to United
Shoe Machinery Corporation, Flemington, N. J. Armed
turret. 2,450,541, Oct. 5.
- Chase, George O.: *See*—
Christiansen, Walter G., and Chase.
- Chase, Herbert S., Worcester, Mass. Knitting box.
2,437,503, Mar. 9.
- Chase, Irwin, and B. Darsie, Bayonne, N. J., assignors to
Electric Boat Company, Groton, Conn. Gun turret.
2,444,246, June 29.
- Chase, Leon R., Boulder City, and R. H. Dimick, North
Las Vegas, Nev. Continuous reading thermocouple
temperature measuring device for rotary vessels.
2,441,562, May 18.
- Chase, Theron P., Huntington Woods, assignor to General
Motors Corporation, Detroit, Mich. Wheel cover.
2,441,008, May 4.
- Chassaing, Pierre: *See*—
Guinot, Henri M., and Melle.
- Chatelas, Edouard G., assignor of one-half to J. Moreau,
Nice, France. Roundabout. 2,434,486, Jan. 13.
- Chatham Chemical Company, The, assignee: *See*—
Daugherty, Charles C.
- Chatten, Clarence K., and S. A. Eller, New York, N. Y.
Brittle point testing apparatus. 2,450,880, Oct. 12.
- Chatterjee, Prafulla K., London, England, assignor, by
mesne assignments, to International Standard Electric
Corporation, New York, N. Y. Thermistor circuit in-
terrupter control system responsive to load circuit con-
ditions. 2,438,495, Mar. 30.
- Chatterjee, Prafulla K., and L. W. Houghton, assignors
to Standard Telephones and Cables Limited, London,
England. Generator of periodically varying electric
currents. 2,434,907, Jan. 27.
- Chatterjee, Prafulla K., and C. T. Scully, London, Eng-
land, assignors, by mesne assignments, to International
Standard Electric Corporation, New York, N. Y.
Thermionic amplifier. 2,434,908, Jan. 27.
- Chatterjee, Prafulla K., and J. K. Beney, assignors to
Standard Telephones and Cables Limited, London, Eng-
land. Pulse modulation communication systems.
2,441,954, May 25.
- Chatterjee, Prafulla K., and L. W. Houghton, assignors
to Standard Telephones and Cables Limited, London,
England. Pulse time modulation multiplex receiver.
2,447,233, Aug. 17.
- Chatterjee, Prafulla K., and C. T. Scully, assignors to
Standard Telephones and Cables Limited, London,
England. Pulse modulation systems of electric com-
munication. 2,452,547, Nov. 2.
- Chatterjee, Prafulla K., and L. W. Houghton, London,
W. C. 2, assignors to Standard Telephones and Cables
Limited, London, England. Pulse echo system for dis-
tance measuring. 2,454,772, Nov. 30.
- Chatterjee, Prafulla K., and L. W. Houghton, assignors
to Standard Telephones and Cables Limited, London,
England. Pulse multiplex transmitter employing a
cathode-ray tube time modulator. 2,454,773, Nov. 30.
- Chatterjee, Prafulla K., and L. W. Houghton, assignors,
by mesne assignments, to Standard Telephones and
Cables Limited, London W. C. 2, England. Circuit
arrangement for producing electrical pulses. 2,457,125,
Dec. 28.
- Chaussé, Wilfred, Granby, Quebec, Canada. Traction at-
tachment for driving wheels. 2,441,471, May 11.
- Chausson, Gaston, assignor to Societe Anonyme Des Usines
Chausson, Asnières, France. Gearbox control device.
2,434,735, Jan. 20.
- Chavannes, Marc A., Genthod, Switzerland, assignor to
American Ecla Corporation, Dover, Del. Making thin
rubber films. 2,439,157, Apr. 6.
- Chavannes, Marc A., Kingston, N. Y. Apparatus for pro-
ducing films. 2,443,443, June 15.
- Chayes Dental Instrument Corporation, assignee: *See*—
Blair, James H.
- Cheatum, Leo G.: *See*—
Jones, Frank D., and Cheatum.
- Check, Frank M., Sr., Stratford, Conn. Bending ball
arbor. 2,451,717, Oct. 19.
- Checkon, John, Gary, Ind. Atomizer. 2,449,927, Sept.
21.

- Cheek, Alvah R., Thurman, Iowa. Engine head lifting tool. 2,456,917, Dec. 21.
- Cheeseman, Charles H.: *See*—
Putnam, David R., and Cheeseman.
- Cheesman, Richard D., assignor to Traylor Engineering & Mfg., Co., Allentown, Pa. Drier heating system. 2,448,770, Sept. 7.
- Chefford Master Manufacturing Co., Inc., assignee: *See*—
McCullough, Delbert.
- Cheiten, Samuel S., Highland Park, N. J. Toilet flush tank valve. 2,436,035, Feb. 17.
- Chelton, Frederick P., Baltimore, Md. Ventilating louvers for storm windows. 2,436,551, Feb. 24.
- Chemical Construction Corporation, assignee: *See*—
Allen, Louis N., Jr. and Zahray.
Broughton, Harold E.
Schideler, Pierre, and Davis.
Whitner, Thomas C.
- Chemical Developments Corporation, assignee: *See*—
Drummond, Folsom E.
Luaces, Enrique L., and Crosby.
Velten, Edmund M.
- Chemical Foundation, Incorporated, The, assignee: *See*—
Hixson, Arthur W., and Miller.
- Chemical Foundation, Incorporated, The, assignee, trustee: *See*—
Hixson, Arthur W. and Miller.
- Chemical Laboratories, Inc., assignee: *See*—
Whitner, Thomas C.
- Chemische Fabrik L. van der Grinten, assignee: *See*—
Vallen, Mathes M. P., and Van Den Dolder.
- Chemlinski, Raymond, Schenectady, N. Y. Combined pipe stand and container for smoking tobacco. 2,453,971, Nov. 16.
- Chemprotin Products, assignee: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boeckeler.
- Chemprotin Products, assignee, et al.: *See*—
Boeckeler, Benjamin C.
- Chenault, Odie W., assignee: *See*—
Samuels, Joseph V.
- Cheney, Azro J., Jr., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extruding polytetrafluoroethylene and coating articles therewith. 2,456,621, Dec. 21.
- Cheney, Charles W., Hockley, Birmingham, England. Key-locked slidable bolt fastening for attaché cases and the like. 2,444,247, June 29.
- Cheney, Harry A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of dihalogenated saturated lower aliphatic compounds. 2,442,285, May 25.
- Cheney, Harry A., R. Dagley, Jr., and S. H. McAllister, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated alcohols. 2,434,394, Jan. 13.
- Cheney, Harry A., Berkeley, and S. H. McAllister, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Conversion of alkyl aromatic hydrocarbons into alkenyl aromatic hydrocarbons. 2,441,095, May 4.
- Cheney, Lee C., and J. R. Plening, assignors to Parke, Davis & Company, Detroit, Mich. 3-Amino-4-carbethoxy-2-alkyl derivatives of thiophene. 2,443,598, June 22.
- Cheney, Lee C., Detroit, and W. G. Bywater, Grosse Pointe Woods, assignors to Parke Davis & Company, Detroit, Mich. Morpholine substituted esters. 2,447,395, Aug. 17.
- Chenick, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of aldehydes by a halogen-hydrogen exchange reaction. 2,447,565, Aug. 24.
- Chenick, Joseph A., and R. H. Rosenwald, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of amines with 2-alkyl-4-alkoxyphenols. 2,442,457, June 1.
- Chenoweth, Irving S., Eureka, Ill. Fuze. 2,436,378, Feb. 24.
- Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.
- Cherin, Emanuel T., and B. Favorman, San Francisco, Calif. Blouse. 2,447,735, Aug. 24.
- Chernack, Abel E., deceased, Elmwood, Conn., M. Chernack, executrix. Hose. 2,448,485, Aug. 31.
- Chernack, Mary, executrix: *See*—
Chernack, Abel E.
- Cherniavsky, Alexander J.: *See*—
Souders, Mott, Jr., and Cherniavsky.
- Cherry-Burrell Corporation, assignee: *See*—
Boileau, Arthur H.
Trier, Carl L., and Fogg.
- Cherry, Charles A., Berkeley, assignor to Beaver Tool & Engineering Corp., Royal Oak, Mich. Quick lock tool-holder. 2,449,277, Sept. 14.
- Cherry, Lloyd B.: *See*—
Harrison, Thomas R., and Cherry.
Wild, Rudolf F., and Cherry.
- Cherry, Lloyd B., Beaumont, Tex., assignor to The Brown Instrument Company, Philadelphia, Pa. Induction motor damping system. 2,445,289, July 13.
- Cherry Rivet Company, assignee: *See*—
Kugler, Herbert W.
Trautmann, Herbert L.
- Cheshier, Elton E.: *See*—
Cheshier, W. J. and E. E.
- Cheshier, W. J. and E. E., Rotan, Tex. Electric lighting systems. 2,447,736, Aug. 24.
- Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company. Writing implement. 2,444,003, June 22.
- Chesler, Isidor, Oceanport, N. J., assignor to Eagle Pencil Company. Writing implement. 2,444,004, June 22.
- Chesney, Jane L., executrix: *See*—
Chesney, Robert M.
- Chesney, Robert M., deceased, Alliance, by J. L. Chesney, executrix, Youngstown, assignor to The Alliance Porcelain Products Company, Alliance, Ohio. Apparatus for making tubs or the like. 2,450,937, Oct. 12.
- Chessrown, James D., Youngstown, Ohio. Slow-down signal for automobiles. 2,442,971, June 8.
- Chester, Albert D., Vallejo, Calif. Drill press vise with slidable and swingable jaws. 2,447,685, Aug. 24.
- Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating method employing pulsating current of adjustable wave form. 2,443,589, June 22.
- Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating method and electrolyte. 2,443,600, June 22.
- Chester Manufacturing Company, assignee: *See*—
Wright, Hal F.
- Chester, Milton A., Wichita, Kans. Hardness tester. 2,448,486, Aug. 31.
- Chesut, Frank O.: *See*—
Richardson, Avery G., Chesut, and Thomas.
- Chesut, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,454,774, Nov. 30.
- Chesut, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,457,126, Dec. 28.
- Chesut, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna system. 2,457,127, Dec. 28.
- Chevigny, Paul G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cooling of high-temperature bodies. 2,440,245, Apr. 27.
- Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Anode structure for an electron discharge device for ultra high frequencies. 2,445,763, July 27.
- Chevigny, Paul G., and G. J. Lehmann, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,438,899, Apr. 6.
- Cheyney, La Verne E., and C. R. Parks, assignors to Wing-foot Corporation, Akron, Ohio. Stabilizers for vinyl polymers. 2,435,769, Feb. 10.
- Chiappe, Caesar F., Philadelphia, and J. W. Kroeger, Drexel Hill Plaza, Pa., assignors to Fred'k H. Levey Co., Incorporated, New York, N. Y. Printing ink. 2,437,908, Mar. 16.
- Chiarotti, Anita: *See*—
Chiarotti, Sesto, and A.
- Chiarotti, Sesto and A., Royal Oak, Mich. Electric iron. 2,448,577, Sept. 7.
- Chicago Bridge & Iron Company, assignee: *See*—
Allen, John W.
Boardman, Harry C.
Horton, George T.
Jackson, Robert A.
Moyer, Frederick D.
- Chicago Carton Company, assignee: *See*—
Richardson, Ralph R., Ritter and Ragan.
- Chicago Coin Machine Co., assignee: *See*—
Eilenberger, Stanley D.
- Chicago Development Company, assignee: *See*—
Dean, Reginald S.
- Chicago Electric Manufacturing Company, assignee: *See*—
Oetjen, Howard H.
Rodwick, Frank.
- Chicago Eye Shield Company, assignee: *See*—
Malcom, Robert L.
- Chicago Fire Brick Company, assignee: *See*—
Young, William G.
- Chicago Forging and Manufacturing Company, assignee: *See*—
Deschermeier, Frank S.
Howe, Earl E.
Hynes, Dibrell P.
Krause, Walter H.
- Chicago Hardware Foundry Company, The, assignee: *See*—
Franklin, Raymond J.
- Chicago Metal Hose Corporation, assignee: *See*—
Calcott, Walter C.
Fentress, David W.
- Chicago Mill and Lumber Company, assignee: *See*—
Byers, Ralph J., and Christian.

- Chicago Pneumatic Tool Company, assignee: *See*—
Brown, Robinson W.
Craze, William D.
Fischer, Howard R.
Fischer, Howard R., and Stevens.
Fossum, Henry O.
Schaeffler, Raymond J.
- Chicago Rawhide Manufacturing Company, assignee: *See*—
Nehls, Arthur G. C.
- Chicago Seal Co., assignee: *See*—
Goldberg, Herman M., and Karlberg.
- Chicago Telephone Supply Company, assignee: *See*—
Veatch, Joseph G.
- Chicago Title and Trust Company, assignee: *See*—
Sola, Joseph G.
- Chick, Foster D., Kenosha, Wis. Lock for holding table legs. 2,444,632, July 6.
- Chickson Tool Company, assignee: *See*—
Phillips, Dwight M.
- Chidakel, Myer R., Washington, D. C. Lumber reclamation machine. 2,446,741, Aug. 10.
- Chikson Tool Company, assignee: *See*—
Phillips, Dwight M.
Warren, Doyle.
- Chilcote, Archibald M., Glen Ellyn, Ill. Hand garden cultivator and furrow former. 2,437,805, Mar. 16.
- Childers, Roscoe O., Olney, Ill., assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,438,992, Apr. 6.
- Childress, Patrick H., assignor of ten per cent to D. W. May, Waynesboro, Va. Ignition switch for automobiles and the like. 2,443,977, June 22.
- Childs, David, A. E. Braun, and J. Hanson, Sunnyvale, Calif., assignors to Libby, McNeill & Libby, Chicago, Ill. Treating tomatoes. 2,437,937, Mar. 16.
- Childs, Gordon E., Simsbury, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Taper thread gage. 2,435,268, Feb. 3.
- Childs, James W., Chester, Pa. Heated windshield wiper. 2,443,849, June 22.
- Childs, Robert S., Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Reproducing motion. 2,435,709, Feb. 10.
- Childs, Robert S., Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Linear movement self-synchronous system. 2,441,869, May 18.
- Chillson, Charles W., Clifton, N. J., assignor to Curtiss-Wright Corporation. Propeller governor. 2,449,452, Sept. 14.
- Chilo, Paul, Chicago, Ill. Lamp shade holder. 2,453,658, Nov. 9.
- Chilowsky, Constantin, New York, N. Y. Supersonic signal transmitter and receiver. 2,434,143, Jan. 6.
- Chilowsky, Constantin, New York, N. Y. Manufacture of piezoelectric elements. 2,445,310, July 20.
- Chilowsky, Constantin, New York, N. Y. Method of and apparatus for controlling the flight of dirigible aerial torpedoes. 2,451,917, Oct. 19.
- Chilton, Allan, assignee, et al.: *See*—
Chilton, Roland.
- Chilton, Roland, assignor to A. Chilton and W. E. Valk, doing business as joint adventures, Ridgewood, N. J. Torque responsive transmission means. 2,446,409, Aug. 3.
- Chindlund, Cecil W., Storm Lake, Iowa. Implement seat support. 2,454,990, Nov. 30.
- Chinn, George I., Detroit, Mich. Backlash take-up for gun elevating mechanism. 2,436,379, Feb. 24.
- Chinn, George I., Detroit, Mich. Traversing mechanism. 2,447,487, Aug. 24.
- Chinn, Orville W., Lexington, Ky. Illuminated compact. 2,453,621, Nov. 9.
- Chirelstein, Nathan, Maplewood, N. J. Display lamp. 2,456,376, Dec. 14.
- Chisholm, Clifton, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Record controlled operating mechanism for embossing machine keyboards. 2,453,781, Nov. 16.
- Chisholm, Clifton, Forest Hills, N. Y., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Strip perforating apparatus. 2,453,782, Nov. 16.
- Chisholm, Eugene F., Portland, Oreg. Liquid cooler. 2,435,034, Jan. 27.
- Chisholm-Ryder Company, Incorporated, assignee: *See*—
De Back, William.
- Chittick, Charles Y., Waban, Mass. Kitchen utensil. 2,450,716, Oct. 5.
- Chizek, Joseph, Franksville, and F. J. Gast, Racine, Wis. Harvesting machine for onions. 2,456,863, Dec. 21.
- Chizmadia, John, Detroit, Mich. Flying toy helicopter. 2,445,906, July 27.
- Chneerson, Zalman, and A. Razzdowitz, New York, N. Y. Holder for cigars and cigarettes. 2,454,631, Nov. 23.
- Chodak, Bernard, Brooklyn, N. Y. Shopping bag. 2,452,994, Nov. 2.
- Chonacki, Frank.: *See*—
Van Cleef, Paul, and Chonacki.
- Chorpene, Creed M., assignor to The Astatic Corporation, Connaught, Ohio. Mounting stylus cartridge. 2,453,894, Nov. 16.
- Chott, George A., assignor of one-half to H. J. Chott, Riverside, Ill. Dental polishing cup. 2,451,918, Oct. 19.
- Chott, Hugo J., assignee: *See*—
Chott, George A.
- Choudhury, Shafi-Uddin A., L. J. Clark, and A. H. Maggs, Rugby, England, assignors to General Electric Company. Self-propelled transmitter. 2,436,200, Feb. 17.
- Chouinard, Alfred F.: *See*—
Mott, Chester, Chouinard, and Harding.
- Chouinard, Lawrence A., Indian Orchard, Mass. Phonograph record album. 2,436,744, Feb. 24.
- Chow, Bacon F., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Synthesis of a penicillin-protein reaction product. 2,446,974, Aug. 10.
- Chowns, William C., East Detroit, Mich. Slide indicator rule. 2,456,676, Dec. 21.
- Chris-Craft Corporation, assignee: *See*—
Smith, Jay W.
- Christ, Robert E.: *See*—
Barrick, Paul L., and Christ.
- Christaldi, Peter S., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray oscillograph circuit. 2,448,771, Sept. 7.
- Christensen, Alfred C., Chicago, and R. L. McIlvaine, Glencoe, assignors, to H. S. Simpson, Evanston, Ill. Reclaiming foundry sand. 2,456,769, Dec. 21.
- Christensen, Carl J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal growing method. 2,442,755, June 8.
- Christensen, Donald W., assignor to Young Radiator Company, Racine, Wis. Heat exchange core and air duct. 2,434,988, Jan. 27.
- Christensen, Donald W., Racine, Wis., assignor to Young Radiator Company. Heat exchanger header construction. 2,443,703, June 22.
- Christensen, Edmund J., Chicago, Ill. Electric portable stove. 2,448,956, Sept. 7.
- Christensen, Edward C., Denmark, Wis. Latch bolt for towing poles. 2,447,737, Aug. 24.
- Christensen, Edwin V., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Automatic dimpler. 2,438,842, Mar. 30.
- Christensen, Harold E., Wilmette, Ill., J. J. Stein, Cleveland, Ohio, and A. S. Kester, Chicago, Ill. Display device for foodstuffs. 2,457,302, Dec. 28.
- Christensen, Harry E., San Francisco, Calif. Therapeutic apparatus. 2,437,016, Mar. 2.
- Christensen Machine Company, The, assignee: *See*—
Belluche, Frank R.
- Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Treatment of marmattic zinc ores. 2,435,340, Feb. 3.
- Christensen, Niels C., Salt Lake City, Utah. Liquid rotor spray mechanism. 2,448,297, Aug. 31.
- Christensen, Niels C., Salt Lake City, Utah. Method and apparatus for spraying. 2,454,594, Nov. 23.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,434,608, Jan. 13.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,447,115, Aug. 17.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,453,119, Nov. 9.
- Christensen, Norman V., Chicago, G. Sauer, Berwyn, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,446,261, Aug. 3.
- Christensen, Sofus, Valley Stream, assignor to Graham Company, Inc., New York, N. Y. Machine for weighing and packing mixed nuts or the like. 2,451,534, Oct. 19.
- Christensen, Stig, Los Angeles, W. G. Rosenberg, Glendale, and J. D. Swift, San Fernando, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Hardness testing device. 2,452,833, Nov. 2.
- Christenson, Gust J., Chicago, Ill. Cushioning device. 2,436,163, Feb. 17.
- Christian, David A., Batley, assignor to Siemens Brothers & Co. Limited, London, England. High-speed searcher using gas discharge tubes. 2,434,989, Jan. 27.
- Christian, Dean R.: *See*—
Williams, Alfred L. W., and Christian.
- Christian, John C., Seattle, Wash., assignor to Boeing Airplane Company. Gun supporting mechanism. 2,454,502, Nov. 23.
- Christian, Moss B.: *See*—
Byers, Ralph J., and Christian.
- Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Front feed mechanism for calculating machines. 2,441,870, May 18.
- Christian, Raymond A., J. R. Ganger, and W. L. Paden, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,450,121, Sept. 28.
- Christian, Rodney E., Royal Oak, Mich., assignor to Kerr Manufacturing Co. Apparatus for molding articles of wax. 2,439,506, Apr. 13.
- Christian, Rodney E., Royal Oak, and A. W. Widerstedt, Detroit, Mich., assignors to Kerr Manufacturing Co. Furnace. 2,444,805, July 6.
- Christiansen, Andrew L., Willowbrook, Calif. Can transfer and orienting mechanism. 2,439,075, Apr. 6.
- Christiansen, Christian, Swampscott, assignor to Rotary Machine Company, Inc., Lynn, Mass. Box sealing machine. 2,444,496, July 6.

- Christiansen, Christian, Swampscott, assignor to Rotary Machine Company, Inc., Lynn, Mass. Folding and lasting machine. 2,446,043, July 27.
- Christiansen, Christian, V. Aker, near Oslo, and G. O. K. Rüsck, Mandal, Norway. Checking device for the warp threads in circular looms. 2,450,183, Sept. 28.
- Christiansen, John: *See—*
Dietrichson, William F., and Christiansen.
- Christiansen, Walter G., Glen Ridge, and G. O. Chase, Hawthorne, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Alkyl-amino-alkyl para-alkoxy-benzoates. 2,444,395, June 29.
- Christie, Hugh C., Coccol, Canal Zone. Rail anticreeper. 2,442,343, June 1.
- Christison, William F., Gadsden, Ala. Door guard. 2,455,112, Nov. 30.
- Christman, John N. H., Jr.: *See—*
Lintern, William A., and Christman.
- Christmann, John L., Passaic, N. J. Variable-speed transmission. 2,455,407, Dec. 7.
- Christofer, Donald F., Spirit Lake, Iowa. Tool handle wedge. 2,455,733, Dec. 7.
- Christofferson, Ernest L.: *See—*
Skanen, William, and Christofferson.
- Chromium Corporation of America, assignee: *See—*
Bell, Henderson M., III.
- Chromium Mining and Smelting Corp., Limited, assignee: *See—*
Griffiths, Frederick J.
- Chromium Mining & Smelting Corporation, Limited, assignee: *See—*
Kinnear, Harry B.
- Chronroller Corporation, assignee: *See—*
Burns, Andrew K.
- Chrysler Corporation, assignee: *See—*
Auten, Jay C.
Ball, Thomas M.
Borden, David M.
Bowlus, Omer E.
Butterfield, John P.
Cadwallader, Robert.
Cousino, Walter P.
Dickson, John B.
Edwards, Franklin W.
Fishburn, Otto E.
Goode, Gilbert C.
Herreshoff, Alexander G., and Houk.
Herreshoff, Alexander G., and Staley.
Hicks, Harold A.
Iavelli, Teno.
Iavelli, Teno, and Matulaitis.
Kimberly, Albert E., Jr.
La Brie, Ludger E.
Lotts, Delbert L., Bucy, and Waldron.
Matulaitis, Victor E.
Matulaitis, Victor E., Edwards, Voorhees.
Matulaitis, Victor E., and Iavelli.
Mauer, Edwin R.
Neracher, Carl A.
Neracher, Carl A., and Dunn.
Neracher, Carl A., Dunn, Iavelli, and Syrový.
Nims, Paul T.
Nims, Paul T., and Chadkewicz.
Pennington, Gordon R.
Phelan, Hubert S.
Platzer, George E.
Roensch, Max M.
Saunders, Seymour G.
Slack, Frederic W., and Utz.
Smith, Robert F., and Clark.
Staley, Allen C., Borden, and Horton.
Tansley, John A.
Utz, Chester C.
Williams, Burdell S.
Woolson, Harry T.
- Chubb, Leroy B., Toledo, Ohio, assignor to Avco Manufacturing Corporation. Apparatus for testing the static balance of propeller blades. 2,436,096, Feb. 17.
- Chubb, Melvin F., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Product and method of making fused litharge particles coated with red lead. 2,448,353, Aug. 31.
- Chua, Melvin E., Huntington Park, and J. C. Stick, Jr., South Pasadena, assignors to Lane-Wells Company, Los Angeles, Calif. Phase shift logging of well bores. 2,446,527, Aug. 10.
- Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Power-operated wrench. 2,456,814, Dec. 21.
- Church, Harry, Esquimalt, British Columbia, Canada. Artificial respiration training device. 2,451,200, Oct. 12.
- Church, Howard: *See—*
Collins, Nelli R., Mower, and Church.
- Church, Howard, Los Gatos, assignor to The Permanente Metals Corporation, Oakland, Calif. Distillation of volatilizable metals. 2,456,918, Dec. 21.
- Churchill, Howard W., Fairfield, Nebr. Husking mechanism. 2,442,231, May 25.
- Churchill, John W., Niagara Falls, assignor to The Mathleson Alkali Works, Inc., New York, N. Y. Production of tetrachloroethylene. 2,440,768, May 4.
- Churchill, Merton E., Arcadia, Pa. Choker for trapped animals. 2,446,078, July 27.
- Churchill, Owen P., Los Angeles, Calif. Swim fin. Re. 23,006, June 15.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Strap-attaching buckle. 2,441,930, May 18.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Floating cowl fastener construction. 2,451,808, Oct. 19.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener clip. 2,456,553, Dec. 14.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Connector for cords or cables. 2,456,554, Dec. 14.
- Churnell, Frank J., Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Water barrier. 2,457,128, Dec. 28.
- Chuy, Nicholas: *See—*
Tsai, Herbert, and Chuy.
- Ciapetta, Frank G.: *See—*
Macuga, Stephen J., Ciapetta, and Heiligmann.
- Ciapetta, Frank G., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Condensation of hydrocarbons by contact with concentrated sulfuric acid in silica gel. 2,434,833, Jan. 20.
- Clarione, Joseph, Fitchburg, Mass. Knife having replaceable blades. 2,448,957, Sept. 7.
- Ciba Limited, assignee: *See—*
Hoelzle, Kurt, and Kambil.
Hoffmann, Karl, Schellenberg, and Miescher.
Ruegg, Rudolf.
Sallmann, Richard, and Graenacher.
Straub, Fritz, Widmer, and Schneider.
Widmer, Gustave, and Hertner.
Widmer, Willy.
- Ciba Pharmaceutical Products, Incorporated, assignee: *See—*
Hartmann, Max, and von Meyenburg.
Hofmann, Klaus.
Miescher, Karl.
Miescher, Karl, and Klarer.
Reichstein, Tadeus.
Rupert, Andreas.
Ruzicka, Leopold.
Schaaf, Fritz.
- Ciba Products Corporation, assignee: *See—*
Widmer, Gustav, and Fisch.
Widmer, Gustav, Sutter, Fisch and Hochuli.
- Cibulka, Alois, Highlands, Tex. Apparatus for converting liquids into gases and for dispensing the gases. 2,443,724, June 22.
- Cidissen, John, Los Angeles, Calif. Abdominal support. 2,449,641, Sept. 21.
- Cieslak, Leo, Salem, Oreg. Conveyer. 2,449,278, Sept. 14.
- Cillié, Carl D.: *See—*
Cooper, Benjamin, and Cillié.
- Cinamon, Lionel, New York, N. Y. Soldering, brazing and welding fluxes. 2,452,995, Nov. 2.
- Cinch Manufacturing Corporation, assignee: *See—*
Del Camp, Scipione M.
- Cincinnati Milling Machine Co., The, assignee: *See—*
Lensky, George A., Tribble, and Yates.
Nenninger, Lester F., and Hassman.
Rivoira, Edilio J.
Soden, Harold R.
Wildner, Warren, and Horlacher.
- Cintron, Ezequiel B., New York, N. Y. Machine for cutting men's heels. 2,448,354, Aug. 31.
- Cioffi, Paul P., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thick protective coatings on permanent magnets. 2,442,638, June 1.
- Circo Products Company, assignee: *See—*
Skelly, James J., and Ralston.
- Cisco, Edward S., Highland, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Drip pan hinge for refrigerator cars. 2,452,101, Oct. 26.
- Cislak, Francis E., and W. R. Wheeler, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. Catalytic oxidation of substituted pyridine bases. 2,437,938, Mar. 16.
- Cislak, Francis E., and M. M. Otto, Indianapolis, Ind., assignors to Relly Tar & Chemical Corporation. Separating 2,4-lutidine and 2,5-lutidine. 2,456,377, Dec. 14.
- Cislak, Francis E., and A. L. Kranzfelder, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. Synthesizing carbazole. 2,456,378, Dec. 14.
- Cislak, Francis E., and A. L. Kranzfelder, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. 2-amino-5-methyl pyridine and process of making it. 2,456,379, Dec. 14.
- Cislak, Francis E., Indianapolis, Ind., and W. R. Wheeler, Cincinnati, Ohio, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. Catalytic oxidation of nicotine. 2,456,380, Dec. 14.
- Cislak, Francis E., and M. O. Otto, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. Preparing metacresol-1,3,4-xylenol. 2,456,581, Dec. 14.
- Cislak, Francis E., and M. O. Otto, assignors to Relly Tar & Chemical Corporation, Indianapolis, Ind. Separation of isomeric xylenols. 2,456,582, Dec. 14.

- Cisski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Motion picture camera operation-control mechanism. 2,442,756, June 8.
- Cisski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Ready mechanism for the motor-control means for motion-picture cameras. 2,443,601, June 22.
- Cisski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Cam follower construction. 2,448,355, Aug. 31.
- Cities Service Oil Company, assignee: *See*—
Hess, Frederick G.
Levitt, Percy B., and Morgan.
Mastin, Robert G.
Morgan, John D.
Morgan, John D., and Levitt.
Morgan, John D., and Lowe.
- Cito, Camillo, Uccle-Brussels, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Automatic tongs for manual electric arc welding or cutting. 2,446,809, Aug. 10.
- City Tank Corporation, assignee: *See*—
Green, Herman.
- City Vending Equipment Corp., assignee: *See*—
Newcomer, Everett J.
- Civilian Production Administration, United States of America as represented by the Administrator of, assignee: *See*—
Demerec, Milislav.
- Civitares, Joseph A., Lodi, N. J. Lathe attachment. 2,434,834, Jan. 20.
- Clachko, Josiah S., Ridgefield Park, assignor to S. Blickman, Inc., Weehawken, N. J. Chart carrier. 2,456,677, Dec. 21.
- Claesson, Per H. E.: *See*—
Fredholm, Johan O. H., and Claesson.
Rost, Helge F., Thunell, Vigren, and Claesson.
- Clafford, Floyd K., Park Ridge, Ill. Adjustable pipe union. 2,449,588, Sept. 21.
- Clair, Verne, Rye, N. Y. Combination shoe tree and shoe-shine bracket. 2,457,445, Dec. 28.
- Clammer, Edward S., Merchantville, M. J. Ackerman, Camden, N. J., and G. A. Barton, Bridgeport, Conn., assignors to Radio Corporation of America. Frequency measuring system. 2,451,320, Oct. 12.
- Clamp Nail Company, assignee: *See*—
Scianna, Anthony.
- Clapham, Harry F., Wilmington, Del., and M. Harris, Bethesda, and A. L. Smith, Suitland, Md.; said Harris and said Smith assignors to Harris Research Laboratories, a partnership. Treatment of wool to impart shrinkage resistance thereto. 2,457,033, Dec. 21.
- Clapp, Jerome B.: *See*—
Badeau, Carroll A., and Clapp.
- Clapp, Michael J., assignor of one-third to A. R. La Guardia and one-third to P. M. La Guardia, Brooklyn, N. Y. Casement window lock. 2,443,850, June 22.
- Clapp, Richard C., and J. Krapcho, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of substituted acylanilides. 2,447,998, Aug. 24.
- Clapp, Richard G., Haverford, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Microwave operated mechanism. 2,435,423, Feb. 3.
- Clapp, Richard G., Haverford, assignor to Philco Corporation, Philadelphia, Pa. Television receiver circuits and apparatus. 2,438,359, Mar. 23.
- Clapp, Richard H., Danvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Copper oxide rectifier. 2,449,453, Sept. 14.
- Clapp, Roger E., East Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Wave guide mode transformer. 2,439,285, Apr. 6.
- Clapp, Roy A., Minneapolis, Minn., assignor by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Intermittent film feed mechanism. 2,448,519, Sept. 7.
- Clapp, Roy A., Minneapolis, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Motion-picture projector. 2,455,918, Dec. 14.
- Clapper, Clyde E., Kansas City, Mo. Hot-air deflector for tractors. 2,452,834, Nov. 2.
- Clardy, Frederick B., Portsmouth, Va. Determining nickel content of steel. 2,452,036, Oct. 26.
- Clare, Carl P., and G. Weinreich, assignors to Cook Electric Company, Chicago, Ill. Differential relay. 2,448,772, Sept. 7.
- Clare, Mabel K., assignee: *See*—
Clare, Martin L.
- Clare, Mabel K., executrix: *See*—
Clare, Martin L.
- Clare, Martin L., deceased, Appollo, Pa.; M. K. Clare, executrix, assignor to M. K. Clare. Folding table. 2,450,827, Oct. 5.
- Clark, Albert R., and R. J. Kittle, assignors to The De Vilbiss Company, Toledo, Ohio. Spray booth. 2,449,203, Sept. 14.
- Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,450,500, Oct. 5.
- Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Fischer-tropsch synthesis gas from oil shale. 2,452,634, Nov. 2.
- Clark, Alfred S., Beverly, and E. M. Spence, Sr., Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Seam pressing machine. 2,440,675, May 4.
- Clark, Andrew B. and K. C., Watsonville, Calif. Vehicle coupler. 2,451,660, Oct. 19.
- Clark, Austin B. J., Washington, D. C. Single-electrode high-speed recording device. 2,444,917, July 13.
- Clark, Bradley L., Rockville, Md. Line drawing attachment for typewriters. 2,446,360, Aug. 3.
- Clark Bros. Co., Inc., assignee: *See*—
Kluppel, Clement B.
MacKendrick, John N.
- Clark, Carl L.: *See*—
Clark, Earl W. and C. L.
- Clark, Carl L., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Sink and cabinet construction. 2,441,563, May 18.
- Clark, Charles A.: *See*—
Anish, Alfred W., and Clark.
- Clark, Charles C., Kenmore, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Copolymer of dichlorostyrene, butadiene-1,3 and piperylene. 2,439,076, Apr. 6.
- Clark, Charles L., Brockway, Pa. Polarized house wiring receptacle and plug. 2,450,467, Oct. 5.
- Clark, Charles W., Westmount, and W. A. Sheaffer, Montreal, assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Method of protecting the surface of articles formed from a magnesium alloy. 2,438,740, Mar. 30.
- Clark Controller Company, The, assignee: *See*—
Burgett, Lynn S.
- Clark, David M., Worcester, Mass., and G. A. Hallenbeck, Rochester, Minn., said Hallenbeck assignor to said Clark. Quick disconnect coupling. 2,452,430, Oct. 26.
- Clark, Dayton P., Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Process for preparing sulfurized lubricating composition. 2,454,034, Nov. 16.
- Clark, Donald H., Stockton, Calif. Garden tractor. 2,450,749, Oct. 5.
- Clark, Douglas C.: *See*—
Deschamps, Desire J., Clarke, and Ferguson.
- Clark, Dudley B., Palm Springs, Calif. Electronic transformer control. 2,452,548, Nov. 2.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation. Thermostat. 2,439,795, Apr. 20.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Control mechanism. 2,439,842, Apr. 20.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gasket. 2,439,923, Apr. 20.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric flatiron. 2,440,041, Apr. 20.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic switch. 2,445,021, July 13.
- Clark, Earl W., Saugus, Mass., assignor to General Electric Company. Straight-line recording mechanism. 2,442,586, June 1.
- Clark, Earl W. and C. L., Warren, Ohio. Knife sharpening device. 2,435,671, Feb. 10.
- Clark, Earl W., Stuart, Fla. Sharpening device for knives. 2,435,672, Feb. 10.
- Clark, Earl W., Stuart, Fla. Knife and scissors sharpening device. 2,454,035, Nov. 16.
- Clark, Edgar A., Seaside, Oreg. Aircraft having power-driven, adjustable, retractable, and steerable front wheels. 2,446,528, Aug. 10.
- Clark, Edward H.: *See*—
Blair, George W., Clayton, Clark, Schott, and Keen.
- Clark, Edward H., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Apparatus for pressing footwear as it is conveyed. 2,455,559, Dec. 7.
- Clark, Edward S., Philadelphia, Pa. Absorptive headwear pad. 2,445,209, July 13.
- Clark Equipment Company, assignee: *See*—
Borland, John.
Burrus, Robert E.
Dence, Donald S.
Eaton, Ernest E.
Gunning, Alfred W.
Lapsley, Robert.
- Clark, Eugene F., Damariscotta, Maine, assignor to Marshall Field and Company, Chicago, Ill. Method of and apparatus for weaving. 2,437,378, Mar. 9.
- Clark, Eugene F., Damariscotta, Maine, assignor to Marshall Field and Company, Chicago, Ill. Loom for weaving pile fabric. 2,437,379, Mar. 9.
- Clark, Floyd W., San Fernando, assignor to Lockhead Aircraft Corporation, Burbank, Calif. Wire grid for electrical fittings. 2,446,262, Aug. 3.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Method of preparing insulating and dielectric materials. 2,444,766, July 6.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric composition. 2,445,563, July 20.

- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Fluorenone dielectric composition. 2,453,494, Nov. 9.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,456,381, Dec. 14.
- Clark, Frank M., and E. L. Raab, Pittsfield, Mass., assignors to General Electric Company. Halogenated hydrocarbon composition. 2,453,493, Nov. 9.
- Clark, Frank W., Beverly Farms, Mass. Making last-fitting fabric uppers. 2,440,393, Apr. 27.
- Clark, George, Trenton, N. J. Bobbin marking mechanism. 2,448,773, Sept. 7.
- Clark, George C., Pontiac, Mich. Fishing tackle. 2,439,451, Apr. 13.
- Clark, George T.: *See*—
Fowler, Chester C., and Clark.
- Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Single-phase motor control. 2,447,488, Aug. 24.
- Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Multiple control. 2,451,535, Oct. 19.
- Clark, Howard H., Kent, Ohio. Safety scaffold pole. 2,449,056, Sept. 14.
- Clark, J. L., Manufacturing Co., assignee: *See*—
Ekstrom, Ted M.
- Clark, James, assignor of one-third to D. Gottwald, Akron, Ohio. Stair cover. 2,436,139, Feb. 17.
- Clark, James J., Bronx, N. Y. Bunting device. 2,440,796, May 4.
- Clark, James, Jr., Electric Company, assignee: *See*—
Daum, Edwin W.
- Clark, James L., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Variable inductance device. 2,451,809, Oct. 19.
- Clark, James R., Mobile, Ala. Portable elevator for loading trucks. 2,454,860, Nov. 30.
- Clark, Jess H., Miami, Ariz. Fuel control system for Diesel engines. 2,453,196, Nov. 9.
- Clark, John A.: *See*—
Soderberg, Carl R., and Clark.
- Clarke, John E.: *See*—
Heltzer, Harry, and Clarke.
- Clark, John T.: *See*—
Johnson, Carroll W., and Clark.
- Clark, Joseph F., Paterson, N. J., assignor to Durex Products, Inc., New York, N. Y. Manufacture of pessaries. 2,457,349, Dec. 28.
- Clark, Kenneth C.: *See*—
Clark, Andrew B. and K. C.
- Clark, Leonard J.: *See*—
Choudhury, Shafi-Uddin A., Clark, and Maggs.
- Clark, Le Roy V., New Castle, Pa., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Method for preparing lead nitroaminoguanidine. 2,456,583, Dec. 14.
- Clark, Leverett M.: *See*—
Strong, Elbie C., and Clark.
- Clark, Louis B., Beaumont, Tex. Step construction. 2,441,617, May 18.
- Clark, Louis D., Rock Creek, Ohio. Ring roll. 2,466,211, Aug. 3.
- Clark, Louis H., New York, N. Y. Covering member for articles of luggage. 2,440,077, Apr. 20.
- Clark, Mabel V., Los Angeles, Calif. Brassière. 2,440,795, May 4.
- Clark, Marion A., Tulare, assignor to A. G. Gurries, Gilroy, Calif. Land leveler. 2,444,977, July 13.
- Clark, Marion A., Tulare, Calif. Pipe wrench having a fixed jaw and a co-operating reciprocating rotary jaw. 2,466,212, Aug. 3.
- Clark, Ned, Atlanta, Ga. Footrest and drainage for bathtubs. 2,456,174, Dec. 14.
- Clark, Paul B., Houston, Tex. Control packer. 2,442,529, June 1.
- Clark, Ralph C., Ventura, and R. E. Clark, Willowbrook, Calif. Making bowling pins. 2,446,213, Aug. 3.
- Clark, Ray E.: *See*—
Clark, Ralph C. and R. E.
- Clark, Reid M., Stoneville, N. C. Tobacco clip. 2,456,622, Dec. 21.
- Clark, Richard U., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Lead-in bushing. 2,447,489, Aug. 24.
- Clark, Robert A., Jr., assignor to A. C. Nielsen Company, Chicago, Ill. Remote radio receiver tuning indicating apparatus. 2,439,201, Apr. 6.
- Clark, Robert H.: *See*—
Dersch, Fritz, and Clark.
Helmbach, Newton, and Clark.
Wilson, Harry C.
- Clark, Robert H., assignee: *See*—
Smith, Lawson A.
- Clark, Ruth G., Hayward, Calif. Scraping and calking tools for ships. 2,443,602, June 22.
- Clark, Stephen C., Jr., Scotia, N. Y., assignor to General Electric Company. Attenuator for ultra high frequencies. 2,451,201, Oct. 12.
- Clark, Trevor H.: *See*—
Busignies, Henri G., Clark, and Everhart.
Richardson, Avery G., and Clark.
- Clark, Trevor H., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Sensing antenna coupling. 2,448,018, Aug. 31.
- Clark, Trevor H., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio direction finder. 2,449,978, Sept. 28.
- Clark, William B.: *See*—
Cadot, Henry M., and Clark.
- Clark, William B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions. 2,457,209, Dec. 28.
- Clark, Winslow B. M.: *See*—
Jones, Harry S., and Clark.
- Clarke, Charles J., Syracuse, N. Y. Sounding device. 2,438,332, Mar. 23.
- Clarke, Edgar W., Hamilton, Ontario, Canada, assignor to Interwoven Stocking Company, New Brunswick, N. J. Circular knit hosiery. 2,435,770, Feb. 10.
- Clarke, Edgar W., Hamilton, Ontario, Canada, assignor to Interwoven Stocking Company, New Brunswick, N. J. Circular knitting machine. 2,435,771, Feb. 10.
- Clarke, George, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,449,589, Sept. 21.
- Clarke, Herbert A., Merion, assignor to The Brown Instrument Company, Philadelphia, Pa. Failure indicating control apparatus. 2,457,794, Dec. 28.
- Clarke, Houghton W., Bronxville, N. Y. Dish. 2,436,097, Feb. 17.
- Clarke, Lewis D.: *See*—
Cathey, Robert S., and Clarke.
- Clarke, Louis A.: *See*—
Goldsby, Arthur R. and Clarke.
Pevere, Ernest F., Clarke, and Hatch.
- Clarke, John D., Downers Grove, assignor to Morris Paper Mills, Chicago, Ill. Hollow-walled carton structure. 2,444,497, July 6.
- Clarke, Philip C., Line Lexington, assignor to Hunter Pressed Steel Company, Lansdale, Pa. Method and apparatus for testing wire. 2,435,772, Feb. 10.
- Clarke, Samuel H., Baltimore, Md. Ammunition structure and launching device therefor. 2,447,315, Aug. 17.
- Clarke, Thomas B.: *See*—
Barker, William A., and Clarke.
- Clarke, Thomas F., executor, et al.: *See*—
Ingoldby, Maurice K., and Abbink-Spaik.
- Clarke, William C., Jr., Dundalk, Md., assignor to Armco Steel Corporation. High-temperature turbine. 2,447,896, Aug. 24.
- Clarke, William C., Jr., Dundalk, Md., assignor to Armco Steel Corporation. High-temperature stainless steel. 2,447,897, Aug. 24.
- Clarke, William W.: *See*—
Zademach, Erich R. and Clarke.
- Clarkson, Alick, Bloomingdale Township, Du Page County, Ill. Apparatus for burning liquid fuels. 2,445,302, July 13.
- Clarkson, Clarence W., Jr., Washington, D. C., and E. J. Krok, Chicago, Ill. Lamp structure. 2,433,982, Jan. 6.
- Clarkson, John L., Nashville, Ill. Clutch control device. 2,435,673, Feb. 10.
- Clarkson, John L., Nashville, Ill. Conveyer chain. 2,450,501, Oct. 5.
- Clarkson, Robert J., Winnsboro, S. C., assignor to United States Rubber Company, New York, N. Y. Making stretchable yarn. 2,451,919, Oct. 19.
- Clarostat Mfg. Co., Inc., assignee: *See*—
Mucher, George J.
- Clary, George H., Belle Fourche, S. Dak. Boat trailer. 2,442,994, June 8.
- Clary Multiplier Corporation, assignee: *See*—
Boydner, Robert E., and Drake.
- Clasen, Claus J. W., American Steel Foundries, Chicago, Ill. Ride control truck. 2,435,384, Feb. 3.
- Clasen, Claus J., Werner: *See*—
Maatman, Egbert J., and Clasen.
- Clasquin, Ledru A.: *See*—
Schebler, Carl L., Douglas, and Clasquin.
- Claus, John H., Lincoln, Nebr. Tent. 2,434,685, Jan. 20.
- Clausen, DeWitt: *See*—
Yeomans, Lucien I., and Clausen.
- Clausen, Henry P., White Plains, N. Y. Door holder and stop. 2,445,514, July 20.
- Clausen, Leon R., assignor to J. I. Case Company, Racine, Wis. Radiator shield. 2,455,734, Dec. 7.
- Clausen, Sigurd, New York, N. Y., assignor to International Cigar Machinery Company. Cigar wrapper cutting and transfer mechanism. 2,451,920, Oct. 19.
- Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,443,978, June 22.
- Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,455,294, Nov. 30.
- Clausing, George, and C. B. Gary, assignors to Vulcan Corporation, Portsmouth, Ohio. Copying lathe. 2,449,878, Sept. 21.
- Clausing, Henry G., assignor to Vulcan Corporation, Portsmouth, Ohio. Graduating and measuring device for shoe lasts. 2,456,815, Dec. 21.
- Clauson, Lynn G., assignee, et al.: *See*—
Haight, Clarence R.
- Claussen, William H., and T. M. Powell, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Preparation of pure aromatics from petroleum distillates. 2,434,395, Jan. 13.

- Clavé, Marcel: *See*—
Clavé, Serge and M.
- Clavé, Serge and M., Paris, France. Machines for cutting and polishing nonspherical or conical surfaces by means of abrasive band tools. 2,453,972, Nov. 16.
- Clawson, George R.: *See*—
Foster, Jesse O., and Clawson.
- Clawson, William T., Rock Hill, S. C. Writing arm for collapsible chairs. 2,452,182, Oct. 26.
- Clawson, William T., Rock Hill, S. C. Detachable book support for chairs. 2,452,183, Oct. 26.
- Clay, Paul H., Asheville, assignor of one-third to C. H. Landers, and one-third to E. Sluder, Weaverville, N. C. Disk plow attachment for tractors. 2,453,197, Nov. 9.
- Clay, Robert A., San Antonio, Tex. Shock absorber. 2,435,200, Feb. 3.
- Clay, Royce W.: *See*—
Morgan, Erving B., and Clay.
- Clayden, Francis W., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing device. 2,449,057, Sept. 14.
- Claypool, Don H., Mansfield, Ohio. Automatic shutoff for tractors. 2,453,783, Nov. 16.
- Claypool, Robbins M., Bellaire, and D. M. Best, Houston, Tex. Apparatus for washing over, releasing, and withdrawing tubular structures from wells. 2,449,841, Sept. 21.
- Claypool, Robbins M., Bellaire, and D. M. Best, Houston, Tex. Tubing tool joint. 2,454,137, Nov. 16.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,435,937, Feb. 10.
- Clayton, Andrew B., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Chain stitch sewing machine with looper throwout. 2,441,931, May 18.
- Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Unincorporated. Glyceride oil refining with foots softening agent. 2,437,075, Mar. 2.
- Clayton, Erith T., Baltimore, Md. Coating ferrous metal articles with corrosion-resistant plastic. 2,436,420, Feb. 24.
- Clayton, James O., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Compounded oil. 2,450,633, Oct. 5.
- Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.
Cline, Edwin L.
Griswold, Donald G.
- Clayton, Martin M., Enon Valley, assignor to National Electric Products Corporation, Pittsburgh, Pa. Cable clamp. 2,444,092, June 29.
- Clayton, Martin M., Enon Valley, assignor to National Electric Products Corporation, Ambridge, Pa. Contact clip. 2,445,604, July 20.
- Clayton, Martin M., Enon Valley, assignor to National Electric Products Corporation, Pittsburgh, Pa. Electrical raceway. 2,455,231, Nov. 30.
- Clayton, William J.: *See*—
Blair, George W., Clayton, Clark, Schott, and Keen.
- Clayton, William J., Mishawaka, and P. V. Butsch, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Manufacture of sponge rubber. 2,444,869, July 6.
- Clayton-Wright, Howard, Stratford-on-Avon, England, assignor to Simpson C. Leonard, Detroit, Mich. Fluid seal for shafts and bearings or the like. 2,434,686, Jan. 20.
- Clayton-Wright, Howard, Stratford-on-Avon, England, assignor to Simpson Catherwood Leonard, Detroit, Mich. Fluid seal for shafts. 2,454,036, Nov. 16.
- Cleasby, Ann D., Eau Claire, Wis. Shoulder strap combination for brassières and foundation garments. 2,444,806, July 6.
- Cleaver-Brooks Company, assignee: *See*—
Brady, William M.
Chamberlin, John W., and Horvath.
- Cleeton, Claud E., Washington, D. C. Pulse type telegraph transmitter and receiver. 2,444,429, July 6.
- Cleeton, Claud E., Washington, D. C. Double pulse generator. 2,452,549, Nov. 2.
- Clegg, Andrew J., Santa Rosa, Calif. Sediment trap for streams. 2,436,630, Feb. 24.
- Cleinman, Harry, assignor to Victor Products Corp., Providence, R. I. Expansion bracelet. 2,434,144, Jan. 6.
- Clem, James R., Dallas, Tex. Vending machine. 2,444,219, June 29.
- Clemens, Jerome H., Chicago, Ill. Crutch. 2,437,076, Mar. 2.
- Clement, Clyde H., Phoenix, Ariz. Electric line deicer. 2,453,361, Nov. 9.
- Clement, Edmund A., Malden, Mass. Dust protective hood. 2,436,249, Feb. 17.
- Clement, Ivan C., Greenwood, Wakefield, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound signaling apparatus. 2,452,571, Nov. 2.
- Clements, Louis F., Los Angeles, Calif. Trouser-creasing apparatus. 2,437,457, Mar. 9.
- Clements, William E., Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Sealing the stem of hollow valves. 2,440,461, Apr. 27.
- Clenny, James T., Swampscott, Mass., assignor to General Electric Company. Cleaning and electroplating process. 2,442,195, May 25.
- Cleve, Frank, Jr., Kansas City, Mo. Shoe half sole or tap. 2,434,990, Jan. 27.
- Cleveland Crane & Engineering Company, The, assignee: *See*—
Wehr, William G.
- Cleveland Graphite Bronze Company, The, assignee: *See*—
Kavanagh, Thomas J.
- Cleveland, James Y., Scarsdale, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Delayed well logging. 2,436,503, Feb. 24.
- Cleveland, Jesse L., Two Harbors, Minn. Sanitary cow guard. 2,453,302, Nov. 9.
- Cleveland Patents, Incorporated, assignee: *See*—
Hickok, Robert D.
- Cleveland Pneumatic Tool Company, The, assignee: *See*—
Hoffar, Henry S.
Kovacs, William R.
Lehman, Eugene W.
Lehman, Eugene W., and Whalen.
Van Sittert, Paul, Kostrubanic, and Lehman.
Wallace, John F.
- Cleveland Punch & Shear Works Company, The, assignee: *See*—
Longfield, William F.
- Cleveland, Samuel M., Merion, Pa. Mechanical pencil with step-by-step feed. 2,448,356, Aug. 31.
- Cleveland Trencher Company, The, assignee: *See*—
Kelsey, Ralph C.
- Cleveland Trust Company, The, executor, assignee: *See*—
Deibel, Cyril P., Merites, and Gray.
- Cleveland Trust Company, The, executor, et al.: *See*—
Deibel, Cyril P.
- Cleveland Welding Company, assignee: *See*—
Hoyt, Harold M.
Mueller, Homer L.
- Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geological exploration system. 2,454,911, Nov. 30.
- Clibbon, Herbert B., Detroit, Mich. Moisture vapor indicator for packaged goods. 2,446,361, Aug. 3.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Butadiene-1,3-ethyl alpha phenylacrylate copolymer. 2,435,674, Feb. 10.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl furane and alpha-alkyl acrylonitrile. 2,444,807, July 6.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadienes-1,3 and alpha aryl acrylonitriles. 2,444,870, July 6.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of halo allyl esters of carboxylic acids. 2,448,703, Sept. 7.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Diketo acrylates. 2,448,958, Sept. 7.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymer of cyclohexyl alpha chloroacrylate and butadiene-1,3. 2,456,382, Dec. 14.
- Clifford, Albert M., and J. G. Lichty, Stow, assignors to Wingfoot Corporation, Akron, Ohio. Butadiene-acrylonitrile copolymer plasticized with isobutyl beta isobutoxy propionate. 2,435,773, Feb. 10.
- Clifford, Albert M., and J. G. Lichty, Stow, assignors to Wingfoot Corporation, Akron, Ohio. Beta-halogenated unsaturated nitriles. 2,437,998, Mar. 16.
- Clifford, Albert M., Stow, and J. G. Lichty, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Dialkoxy propionitriles. 2,438,090, Mar. 16.
- Clifford, David G., Palo Alto, Calif., and E. Pawlishen, deceased, by J. Pawlishen, administrator, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tunable generator for ultra high frequencies. 2,454,306, Nov. 23.
- Climax Machinery Company, assignee: *See*—
Campbell, William J.
- Cline, Allen B., Rosemead, Calif. Denture repair tool. 2,453,303, Nov. 9.
- Cline, Cranmore W., United States Navy, Jacksonville, Fla. Variable pitch impeller. 2,450,420, Oct. 5.
- Cline, Earl E., assignor to Mueller Co., Decatur, Ill. Spray nozzle. 2,451,071, Oct. 12.
- Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Hydraulic dynamometer. 2,452,550, Nov. 2.
- Cline, Edwin L., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Pre-treating pinene crudes. 2,434,197, Jan. 6.
- Clive, James, Ewhurst, Guildford, England. Automobile headlamp control. 2,450,370, Sept. 28.
- Cloete, Floris, Detroit, Mich. Hydrokinetic coupling. 2,453,684, Nov. 9.
- Clothier, Robert L., Denville, N. J. Method and device for removing rotating bands from projectiles. 2,449,979, Sept. 28.
- Cloud, Gould H.: *See*—
Sweeney, William J., Cloud, and Blackwood.
- Cloud, Kenneth M.: *See*—
Elleman, Tom, and Cloud.
Ginn, Earl, and Cloud.

- Cloud, William S., Wilmette, Ill. Preventing tears in thermoplastic material. 2,442,757, June 8.
- Clouet, Didier A., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electric condenser. 2,444,032, June 29.
- Clough, Jerome L., Milwaukee, Wis. Stroboscopic index and index viewing. 2,440,797, May 4.
- Cloutier, Felix J., Minneapolis, Minn. Combination intake and exhaust valve for four-cycle engines. 2,439,618, Apr. 13.
- Clover Industries, Inc., assignee: *See*—Henderson, Harold P., and Kaplan.
- Cloyd, Harold S., assignor to National Organ Supply Company, Erie, Pa. Push comb. 2,457,446, Dec. 28.
- Club Aluminum Products Company, assignee: *See*—Bodell, Mark R.
- Cluett, Peabody & Co., Inc., assignee: *See*—Pfeffer, Edward C., Jr., and Epelberg. Pfeffer, Edward C., Jr., and Miller. Schreiner, George A.
- Clurman, Albert W., trustee, assignee: *See*—Jacobs, Maurice.
- Clutton, Sam W., Missoula, Mont. Hotbox cooler. 2,452,731, Nov. 2.
- Clyde, George, and K. F. Dailey, Columbus, Ohio. Engine starting apparatus. 2,446,691, Aug. 10.
- Clyde, Paul M., assignee: *See*—Shields, Samuel F.
- Clynch, James H.: *See*—Huff, Curtis E., and Clynch.
- Coach & Car Equipment Corporation, assignee: *See*—Baker, Edward.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Oscillator controlled follow-up system. 2,437,661, Mar. 9.
- Coast Envelope & Leather Products Company, assignee: *See*—Miller, Joseph C.
- Coast Reduction, Inc., assignee: *See*—Cape, Arthur T., and Foerster. Foerster, Charles V., and Cape.
- Coat Craft Company, assignee: *See*—Goldstein, Aaron A.
- Coates, Cecil C., Prescott, Ariz. Dispensing cabinet. 2,447,054, Aug. 17.
- Coates, Charles H., Baton Rouge, La. Cylinder plug for gas operated guns with grenade launchers. 2,453,699, Nov. 16.
- Coates, J. Edwin, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Measuring instrument. 2,438,205, Mar. 23.
- Coates, Neligh C., Kansas City, Mo. Masonry saw. 2,450,371, Sept. 28.
- Coates, Neligh C., Kansas City, Mo. Masonry saw. 2,455,113, Nov. 30.
- Coates, Neligh C., Kansas City, Mo. Latching device. 2,455,163, Nov. 30.
- Coats, Gilbert E., Fort Dodge, Iowa. Dump vehicle. 2,444,308, July 6.
- Coats, William E., Los Angeles, Calif. Dustpan. 2,453,973, Nov. 16.
- Cobb, Albion B., assignee, et al.: *See*—Sharp, Ralph P., Sr.
- Cobb, Carroll F., Silverton, Ohio, E. F. Brill, Milwaukee, Wis., and J. R. Guenther, Chicago, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arranging and brazing superposed commutator leads. 2,455,560, Dec. 7.
- Cobb, Emerson G., Mitchell, S. Dak., assignor to United Aircraft Corporation, East Hartford, Conn. Protecting metal surfaces. 2,455,114, Nov. 30.
- Cobb, James F., Portland, Oreg., assignor to The Moore Dry Kiln Company of Oregon. Drier control. 2,434,758, Jan. 20.
- Cobb, John L., Chicago, Ill. Shoe toe box. 2,443,725, June 22.
- Cobb, Leland D., Forestville, Conn., assignor to Draper Corporation, Hopedale, Mass. Harness motions. 2,437,349, Mar. 9.
- Cobbs, Everett R., Beloit, Ohio. Automatic light for cabinets. 2,443,080, Aug. 31.
- Cobean, Richard W., Schenectady, N. Y., assignor to General Electric Company. Gas-arc welding apparatus. 2,444,767, July 6.
- Cobean, Richard W., Schenectady, N. Y., assignor to General Electric Company. Temperature responsive device. 2,454,552, Nov. 23.
- Cobert, Arthur J., Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del. Knitted fabric and making same. 2,452,835, Nov. 2.
- Cobert, Arthur J., Greensboro, N. C., assignor to Burlington Mills Corporation, New Castle County, Del. Knitted fabric and making same. 2,452,836, Nov. 2.
- Cobin, Walter H., New York, N. Y. Pipe coupling. 2,441,754, May 18.
- Coca, Arthur F., Oradell, N. J., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of antibodies. 2,454,752, Nov. 23.
- Coca-Cola Company, The, assignee: *See*—Stout, George P.
- Cocanour, John B., San Jose, assignor to Colvin-Templeton, Inc., Oakland, Calif. Refrigerating system defrosted by hot liquid refrigerants. 2,452,102, Oct. 26.
- Cochary, Thomas A., Brockton, Mass. Open-back shoe with stiffening means. Re. 23,059, Dec. 14.
- Cochary, Thomas A., Brockton, Mass. Open-back shoe with stiffening means. 2,446,169, Aug. 3.
- Cochran, Clarence W., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Goggle with detachable lens. 2,444,498, July 6.
- Cochrane, Richard M., West Springfield, assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Dual firing rate oil burner apparatus. 2,451,661, Oct. 19.
- Cocker Machine and Foundry Company, assignee: *See*—Suggs, Thomas M.
- Cockerill, Gerald I., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Liquid seal device. 2,440,394, Apr. 27.
- Cockrell, William D., Schenectady, N. Y. Calculating and aerial navigation instrument. 2,455,902, Dec. 7.
- Cocup, George A.: *See*—Goodbar, Mayo A., and Cocup.
- Codman, F. L. & J. C., assignee: *See*—Ogden, Floyd H.
- Cody, Clifford S., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus having mounting for motion relative to a window. 2,436,713, Feb. 24.
- Cody, William A., Clay Center, Kans. Picture hanger. 2,448,137, Aug. 31.
- Coe, Elvin L., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Producing medullated artificial filaments. 2,439,039, Apr. 6.
- Coe, George B., Upper Montclair, N. J. Tube reducing mill. 2,436,098, Feb. 17.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Phenolic-alkyd resins. 2,435,554, Feb. 3.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Mixed resin bonded abrasives and making the same. 2,435,555, Feb. 3.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Plasticizing and vulcanization of butadiene-acrylic nitrile copolymer. 2,449,058, Sept. 14.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,919, Dec. 21.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,920, Dec. 21.
- Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Improving water-resistant characteristics of resins and resinous articles, and resinous products resulting therefrom. 2,456,921, Dec. 21.
- Coffey, Anne, assignor to Coffey Creations, Inc., New York, N. Y. Hand knitting or crocheting device. 2,434,609, Jan. 13.
- Coffey Creations, Inc., assignee: *See*—Coffey, Anne.
- Coffey, Daniel J., Bronx, N. Y. Brick cutting tool. 2,436,686, Feb. 24.
- Coffey, Daniel J., Bronx, N. Y. Combined cigarette holder and ash tray. 2,453,304, Nov. 9.
- Coffey, Earl G., Sioux City, Iowa. Impression taking means. 2,452,903, Nov. 2.
- Coffey, Roger T., Marblehead, assignor to Barbour Stockwell Company, Cambridge, Mass. Clutch. 2,457,210, Dec. 28.
- Coffin, Bruce A., assignee: *See*—Dillaby, Edwin F.
- Coffin, Francis P., Jr., Schenectady, N. Y., and F. E. Bothwell, Boston, and P. D. Crout, Lexington, Mass., assignors by mesne assignments to the United States of America, as represented by the Secretary of the Navy. Smoothing servo. 2,449,035, Sept. 7.
- Coffing, Frederick, Danville, Ill. Bedpan system. 2,436,915, Mar. 2.
- Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Glycolic ethers of hydroxylated interpolymers and their preparation. 2,434,145, Jan. 6.
- Coffman, Donald D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of difluoroacetic acid. 2,442,995, June 8.
- Coffman, Donald D., and L. F. Salisbury, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of unsaturated fluorohydrocarbons. 2,451,612, Oct. 19.
- Coffman, Donald D., and T. A. Ford, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of trifluoroethylene and obtaining them. 2,456,255, Dec. 14.
- Coffman, Olen G., assignor to Robbins & Myers, Inc., Springfield, Ohio. Delayed start alternating-current motor. 2,440,896, May 4.
- Coffman, Richard B., assignee: *See*—Armentrout, Arthur L.
- Cogan, Howard D., Glenshaw, Pa., and N. H. Ketcham, Flushing, N. Y., assignors to Carbide and Carbon Chemicals Corporation. Heat-resistant coating composition. 2,450,327, Sept. 28.

- Coggeshall, Almy D., Schenectady, N. Y., assignor to General Electric Company. Modified methyl polysiloxane compositions. 2,442,196, May 25.
- Coggeshall, Almy D., and B. W. Erikson, Schenectady, N. Y., assignors to General Electric Company. Electrical coil and making the same. 2,442,587, June 1.
- Coggeshall, Norman D.: *See*—
Muskat, Morris, and Coggeshall.
- Coggeshall, Norman D., O'Hara Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Cementing wells. 2,451,472, Oct. 19.
- Coggeshall, Norman D., O'Hara Township, Allegheny County, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical exploration of boreholes by microwaves. 2,455,942, Dec. 14.
- Coggeshall, Norman D., Verona, and N. F. Kerr, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Electron gun for mass spectrometers. 2,457,530, Dec. 28.
- Coghill, James T., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Apparatus for the manufacture of paper and other felted fibrous products. 2,447,161, Aug. 17.
- Cogovan, Edward J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Fabric. 2,456,922, Dec. 21.
- Cogovan, Edward J., Amsterdam, and L. R. Jones, Broadalbin, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Making fabrics. 2,456,923, Dec. 21.
- Cohan, Alvin M., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric fuse lighter. 2,437,153, Mar. 2.
- Cohen, Aaron: *See*—
Bergel, Franz and Cohen.
- Cohen, Arthur M., New Rochelle, N. Y., assignor to Ward Leonard Electric Company. Electromagnetic controller. 2,451,810, Oct. 19.
- Cohen, Frank A., Brooklyn, N. Y. Undergarment. 2,453,063, Nov. 2.
- Cohen, Harold, Elizabeth, N. J. Tower or mast. 2,443,949, June 22.
- Cohen, Harry L., New York, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Conveyor slat securement. 2,439,040, Apr. 6.
- Cohen, Henry B., assignor to The Lektron Corporation, New York, N. Y. Vibrant armature massager. 2,441,686, May 18.
- Cohen, Henny: *See*—
Alma, Geritt H. P., Cohen, and Landsbergen.
- Cohen, Louis, assignor to Longines-Wittnauer Watch Co. Inc., New York, N. Y. Aircraft bank indicator. 2,442,265, May 25.
- Cohen, May M., assignee: *See*—
Cohen, Meyer.
- Cohen, Meyer, assignor to M. M. Cohen, Forest Hills, N. Y. Holder. 2,435,818, Feb. 10.
- Cohen, Morris, assignor to Interstate Bakeries Corporation, Kansas City, Mo. Making jelly rolls or the like. 2,450,033, Sept. 28.
- Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Viscosity measuring apparatus. 2,434,349, Jan. 13.
- Cohler Co., Inc., assignee: *See*—
Miller, Albert J.
- Cohn, Benjamin D., Pennside, Pa. Combined grave marker and flower holder. 2,436,631, Feb. 24.
- Cohn, Howard R., Brooklyn, N. Y. Educational device. 2,454,632, Nov. 23.
- Cohn, Irwin, Leominster, Mass. Toy propelled boat. 2,439,649, Apr. 13.
- Cohn, Irwin, Leominster, Mass. Carrousel toy for children. 2,457,447, Dec. 28.
- Cohn, Seymour B., Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of War. Signal receiver and warning device. 2,437,876, Mar. 16.
- Cohoe, Wallace P., New York, assignor to American Chicle Company, Long Island City, N. Y. Chewing gum base. 2,444,871, July 6.
- Cohrt, Eigil, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y. Butt-in telephone system. 2,444,033, June 29.
- Cohrt, Eigil, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y. Electric alarm signaling system. 2,454,775, Nov. 30.
- Coit, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Load supporting pallet. 2,446,634, Aug. 10.
- Coit, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Pallet of the load-supporting type, with casters. 2,452,356, Oct. 26.
- Coker, Alva C., San Antonio, Tex. Machine for cutting handholes. 2,454,861, Nov. 30.
- Colaico, August P.: *See*—
Cox, Joseph H., Colaico, and Rose.
Stoltenberg, Glenn R., and Colaico.
- Colaico, August P., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Pump. 2,438,387, Mar. 23.
- Colaico, August P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealed ignitron. 2,439,924, Apr. 20.
- Colaico, August P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,447,637, Aug. 24.
- Colaico, August P., and D. L. Hopper, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pump. 2,447,636, Aug. 24.
- Colaluca, Leonardo, Somerville, N. J. Spring-actuated projector for game boards. 2,455,978, Dec. 14.
- Colaluca, Phillip, Youngstown, Ohio. Ketchup dispenser. 2,453,974, Nov. 16.
- Colaner, Louis, Sr., Freehold, N. J. Automobile fender construction. 2,447,898, Aug. 24.
- Colbar, Inc., assignee: *See*—
Munshower, Clarence F.
- Colbath, Dan L.: *See*—
Moore, John R., and Colbath.
- Colbert, Carl C., assignor to Nehi Corporation, Columbus, Ga. Vending apparatus. 2,452,837, Nov. 2.
- Colbert, Charles L., assignee: *See*—
Valiton, Frederick H.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,850, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,851, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,852, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,853, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,854, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,855, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,856, Oct. 5.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,450,857, Oct. 5.
- Colborne Manufacturing Company, assignee: *See*—
Smith, Dennis W.
- Colburn, Allan P., Newark, Del., assignor to United Aircraft Corporation, East Hartford, Conn. Engine cylinder fin and baffle construction. 2,444,220, June 29.
- Cole, Arthur B., Jr., assignee: *See*—
Bristow, John W.
- Cole, Arthur D., Minneapolis, Minn. Thermostat operated rheostat. 2,442,072, May 25.
- Cole, Ben R., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated radar apparatus. 2,454,633, Nov. 23.
- Cole, Charles E., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Boost regulator. 2,444,185, June 29.
- Cole, Dalton E., Chicago, Ill. Connector. 2,452,184, Oct. 26.
- Cole, Edward S., Upper Montclair, N. J., assignor to Pitometer Log Corporation, New York, N. Y. Shaft seal. 2,441,618, May 18.
- Cole, Frank B., Asheville, N. C. Gas flame regulator. 2,456,864, Dec. 21.
- Cole, Frank E., Manchester, and W. V. Goodhue, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fuse setter. 2,442,842, June 8.
- Cole, Fred H., Los Angeles, Calif. Disconnect switch. 2,436,290, Feb. 17.
- Cole, Gilmour N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Support for engine cooling fans. 2,438,540, Mar. 30.
- Cole, Gilmour N., Manchester, and C. R. Wells, Rocky Hill, assignors to United Aircraft Corporation, East Hartford, Conn. Engine cooling fan. 2,454,037, Nov. 16.
- Cole, John D., Dayton, Ohio. Golf glove. 2,456,678, Dec. 21.
- Cole, John W.: *See*—
Julian, Percy L., Cole, Magnani, and Conde.
Julian, Percy L., Cole, Magnani, and Meyer.
- Cole, Lyndon C., Cleveland, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic circuit for halting reciprocable rams. 2,437,077, Mar. 2.
- Cole, Monroe C., Dallas, Tex. Brooder. 2,452,904, Nov. 2.
- Cole, Paul M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of strain-free, extruded shapes from organic thermoplastic materials. 2,436,201, Feb. 17.

- Cole, Percy W., executor, et al.: *See*—
Ingoldby, Maurice K., and Abbink-Spauk.
- Cole, Rex, assignee: *See*—
Harsbarger, Walter J., and Pott.
- Cole, Robert A., Moline, Ill., and D. I. Smith, Vincent, Ohio. Telemetering transmitter. 2,437,242, Mar. 9.
- Coleman, Edwin D., Maywood, Ill. Respiration apparatus. 2,436,853, Mar. 2.
- Coleman, Edwin D., Maywood, Ill. Bridge structure for pH measurement device. 2,451,663, Oct. 19.
- Coleman, George L., assignor of one-half to W. O. Huske, Fayetteville, N. C. Apparatus for resurfacing meat blocks. 2,454,992, Nov. 30.
- Coleman, Harry E., Mount Vernon, N. Y. Air conditioning grille or register assembly. 2,450,184, Sept. 28.
- Coleman, Lester L.: *See*—
Hall, Horace E., and Coleman.
- Coleman, Maurice, assignee: *See*—
Kertz, James J.
- Coleman-Petersen Corporation, assignee: *See*—
Petersen, Wilber E.
- Coles, Harold W., Rochester, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Recovering dextrins from stillage sirup. 2,450,717, Oct. 5.
- Coles, Leon M., Port Chester, N. Y. Hand cultivating tool. 2,452,732, Nov. 2.
- Coley, Silas B., assignee: *See*—
Reavis, Charles N.
- Colgate-Palmolive-Peet Company, assignee: *See*—
Elgin, Joseph C.
Gebhart, Arthur I., and Ross.
Ittner, Martin H.
Keim, Gerald L., Ross, and Percy.
Malkemus, John D., Ross, and Potter.
Miles, Gilbert D.
Ross, John.
Ross, John, Potter, and Yolles.
- Colin, Joseph A.: *See*—
Berthier, Jules H., and Colin.
- College of Electronic Medicine, assignee: *See*—
Hart, Fred J.
- Collett, James D., Jr., Houston, Tex. Gas sampling apparatus. 2,452,224, Oct. 26.
- Collette, Hiawatha F.: *See*—
Whitson, Mercer L., and Collette.
- Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Variable fluid passage. 2,434,835, Jan. 20.
- Collier-Keyworth Company, assignee: *See*—
Sheldrick, Henry W.
- Collier, Robert T., Palos Verdes Estates, and J. G. Carriere, Long Beach, assignors, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif. Producing sulfur dioxide from waste sulfuric acid-hydrocarbon containing material. 2,435,710, Feb. 10.
- Collings, John K., Englewood, assignor to The Metal Lumber Corporation of New Jersey, Hoboken, N. J. Hatch cover. 2,457,129, Dec. 28.
- Collings, Norman H., and R. J. H. Beverton, assignors to Standard Telephones and Cables, Limited, London, England. Electrically conducting adhesive. 2,444,034, June 29.
- Collings, William R., H. N. Fenn, and H. J. Fletcher, assignors to Dow Corning Corporation, Midland, Mich. Production of siloxane resins. 2,447,611, Aug. 24.
- Collins, Arthur A., Cedar Rapids, Iowa, assignor to Collins Radio Company. Radio transmitting and receiving system. 2,447,490, Aug. 24.
- Collins, Austin T., deceased, by Miracle Lubricating Corporation, Detroit, Mich., assignee. Lubricant composition. Re. 22,985, Mar. 16.
- Collins, Calhoun, assignor of one-half to T. M. Ryerson, Bakersfield, Calif. Adjustable reclining chair. 2,448,860, Sept. 7.
- Collins, David H., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Ribbon guide for typewriters or like machines. 2,442,232, May 25.
- Collins, Francis H.: *See*—
Blair, Alexander, and Collins.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Manufacture of plastic containers. 2,452,357, Oct. 26.
- Collins, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,445,420, July 20.
- Collins, George T., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Product and process of reacting alkenyl succinic esters with sulfur. 2,454,862, Nov. 30.
- Collins, Henry H., Bryn Mawr, Pa. Combination headrest and backrest in a beach or lawn chair. 2,450,783, Oct. 5.
- Collins, Henry M., Stamford, Conn., assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Making stable emulsions of resinous materials. 2,443,893, June 22.
- Collins, Henry M., Ottawa, Ontario, and G. O. Morrison, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Stable polyvinyl acetate emulsions and making same. 2,444,396, June 29.
- Collins, Johnnie C., assignor to Servis Equipment Company, Dallas, Tex. Tractor implement. 2,456,491, Dec. 14.
- Collins, Leon L., Savannah, Ga. Safety soap and washcloth hanger. 2,439,238, Apr. 6.
- Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Film drive apparatus. 2,442,400, June 1.
- Collins, Neil R., and W. W. Mower, Los Altos, and H. Church, Campbell, Calif., assignors, by mesne assignments, to The Permanente Metal Corporation. Preparing magnesium oxide-containing material for reduction purposes. 2,433,891, Jan. 6.
- Collins Radio Company, assignee: *See*—
Collins, Arthur A.
Doelz, Melvin L.
Hunter, Theodore A.
Kent, Raymond C.
May, Richard W.
Moseley, Francis L.
Sansbury, George L.
Vaughn, Kenneth E.
Vogel, Vernon H.
- Collins, Ralph D., assignee, et al.: *See*—
Arnold, Ralph J., MacDonald, and Collins.
Crehan, William J., and Arnold.
- Collins, Ralph D., Beverly Hills, Calif., assignor of one-half to Kellogg Switchboard and Supply Company. Making elastic coil structures with uncoiled ends. 2,452,432, Oct. 26.
- Collins, Ralph D., Beverly Hills, Calif., assignor of one-half to Kellogg Switchboard and Supply Company. Method and apparatus for making elastic coil cables with a longitudinal end. 2,452,433, Oct. 26.
- Collins, Ralph D., Beverly Hills, Calif., and W. J. Drigot, Chicago, Ill., said Drigot assignor to Kellogg Switchboard and Supply Company. Production of vulcanizable elastic coil cables having reversibly coiled portions. 2,452,431, Oct. 26.
- Collins, Richard D., Baltimore, Md. Adjustable holder for precision indicators. 2,456,383, Dec. 14.
- Collins, Robert B., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Vacuum stripping of moving catalyst in hydrocarbon conversion process. 2,447,116, Aug. 17.
- Collins, Tappan, Dormont, Pa., assignor to Carnegie-Illinois Steel Corporation. Structural member. 2,446,692, Aug. 10.
- Collins, Tappan, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Grating and making the same. 2,437,186, Mar. 2.
- Collison, William J., Costa Mesa, Calif. Soil pipe reducer. 2,455,470, Dec. 7.
- Collison, William J., San Diego, Calif. Cutin fitting. 2,449,803, Sept. 21.
- Collister, Hugh, Grand Rapids, Mich. Ice cube tray. 2,456,924, Dec. 21.
- Collura, Francesco, New York, N. Y. Push-button type pencil. 2,452,905, Nov. 2.
- Collura, Francesco, New York, N. Y. Mechanical pencil of the push-button type. 2,452,906, Nov. 2.
- Collura, Francesco, New York, N. Y. Magazine pencil of the push-button type. 2,452,907, Nov. 2.
- Colman, Howard D.: *See*—
Stewart, Duncan J., and Colman.
- Colman, Sol, Los Angeles, Calif. Computing scale. 2,445,022, July 13.
- Colocchia, Philip T., Hillside, N. J. Hair curling device. 2,452,225, Oct. 26.
- Colombu, Eugene: *See*—
De Lacotte, Robert H., and Colombu.
- Colonial Broach Company, assignee: *See*—
Wette, Benedict.
- Colonial Press, Inc., The, assignee: *See*—
Burlingame, Ernest D., Carlson, Nicholson, and Scott.
Giansante, Daniel.
Martin, Kenneth P., and Rowland.
Packard, Alden.
Tittle, Hulbert C.
- Colonial Sugars Company, assignee: *See*—
Swenson, Oscar J.
- Color Research Corporation, assignee: *See*—
Grimson, Samuel B.
- Colostom-Ease Inc., assignee: *See*—
McArdle, James W.
- Colwell, Joe D., Timperley, and F. Benyon, Bolton, England. Elevating mechanism for loading shovels or the like. 2,441,310, May 11.
- Colpaert, Roger C., Detroit, Mich. Boat speedometer. 2,449,590, Sept. 21.
- Colt, Edwin W., Evanston, assignor to Armour and Company, Chicago, Ill. Separation of higher fatty acids. 2,443,184, June 15.
- Colt, Ralph S., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose ester lithographic printing process. 2,448,861, Sept. 7.
- Colton, Dudley T., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of fibro-cementitious sheets. 2,445,210, July 13.
- Colt's Manufacturing Company, assignee: *See*—
Wedge, Arthur F., and Bidwell.
- Columbia Broadcasting System, Inc., assignee: *See*—
Goldmark, Peter C.
Goldmark, Peter C., and Dyer.
- Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

- Columbia Protektosite Company, Inc., assignee: *See—*
Albanese, Michael.
- Columbia Records Inc., assignee: *See—*
Hincley, Frank C.
Hunter, James H.
- Columbian Carbon Company, assignee: *See—*
Heller, George L.
Wiegand, William B., and Braendle.
- Columbian Enameling & Stamping Co., Inc., assignee: *See—*
Weddle, Richard C.
- Columbian Rope Company, assignee: *See—*
Koon, Archie W., and Thatcher.
Orser, Keith L.
- Columbia River Packers Association, Inc., assignee: *See—*
Burruss, Walter H.
- Columbus Dental Manufacturing Company, The, assignee: *See—*
King, James R.
- Columbus McKinnon Chain Corporation, assignee: *See—*
Gilbert, Lowell B., and Kieffer.
Kieffer, Raymond J.
- Columbus Protektosite Co., Inc., assignee: *See—*
Utley, Lewis S.
- Colvin, Charles M., deceased, Wilmette, Ill.; J. L. Corliss, executor, assignor to N. M. Satterfield, Lexington, Ohio. Fuel carbureting means. 2,445,104, July 13.
- Colvin, Donald, San Francisco, Calif. Condensation preventing means for refrigerators. 2,443,342, June 15.
- Colvin, Joseph H., assignee: *See—*
Goldberg, Ralph.
- Colvin-Templeton, Inc., assignee: *See—*
Concanour, John B.
Sears, Edward O.
- Colwell, Harry E., assignor to The A P Parts Corporation, Toledo, Ohio. Bending machine. 2,440,599, Apr. 27.
- Colwill, Richard H., Chicago, Ill. Centerimeter. 2,447,932, Aug. 24.
- Combined Metals Reduction Company, assignee: *See—*
Christensen, Niels C.
- Combined Optical Industries Limited, assignee: *See—*
Jeffrey, John H.
Johnson, John.
- Combs, Edward E., Long Branch, N. J. Spherical coil for variometers. 2,441,564, May 18.
- Combs, Edward E., Long Branch, N. J. Making spherical coils for variometers. 2,455,355, Dec. 7.
- Combs, Ida, Philadelphia, Pa. Undergarment construction. 2,454,963, Nov. 30.
- Combustion Control Corporation, assignee: *See—*
Hamilton, James C.
Thomson, E. Craig.
- Combustion Engineering Company, Inc., assignee: *See—*
Kruse, John R.
Mittendorf, Harvey C.
Wall, Marion F.
- Come, Leonard P., White Plains, N. Y. Furniture. 2,452,838, Nov. 2.
- Comer, Floyd E., Bristol, assignor to Buescher Band Instrument Co., Elkhart, Ind. Saxophone key mounting. 2,455,232, Nov. 30.
- Comer, Marvin H.: *See—*
Lathan, James R., and Comer.
- Comfy Manufacturing Company, The, assignee: *See—*
Waranch, Theodore.
- Comiskey, Anthony T., Sr., Chicago, Ill. Motorcycle windshield. Re. 23,039, Sept. 21.
- Comiskey, Frederick K.: *See—*
Hammell, Kemper M., and Comiskey.
- Comito, Calogero F., Detroit, Mich. Mop holder. 2,442,843, June 8.
- Commanday-Roth Co., Inc., assignee: *See—*
Roth, Louis H.
- Commerce, United States of America as represented by the Secretary of, assignee: *See—*
Diamond, Harry, Dunmore, and Hinman.
Peters, Chauncey G., Harris, Emerson, Cooter, and Nefflen.
- Commercial Controls Corporation, assignee: *See—*
Rast, Frederick Q.
- Commercial Solvents Corporation, assignee: *See—*
Campbell, Arthur W.
Johnson, Harold G.
Morey, Glen H.
Senkus, Murray.
Smith, Everett F.
- Commercial Solvents (Great Britain) Limited, assignee: *See—*
Morey, Glen H., and Taylor.
Darling, Harold N., and Holdsworth.
- Commonwealth Engineering Company, of Ohio, The, assignee: *See—*
Fisher, John R., Jr.
- Compagnie de Produits Chimiques et Electrometallurgiques Alais, assignee et al.: *See—*
LaLande, André.
- Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, assignee: *See—*
Fréjacques, Jean L. M.
- Compagnie International des Pieux Armés Frankignoul, Société Anonyme, assignee: *See—*
Jourdain, André P.
- Compo Shoe Machinery Corporation, assignee: *See—*
Dawson, Fred.
Macdonald, Kenneth W.
Pitman, Earle C.
Pitman, Earle C., and Crandell.
Small, Edward F.
- Composite Rubber Products Corporation, assignee: *See—*
Hosking, Oakley.
- Comptoir de Matériel Textile, Société à Responsabilité Limitée, assignee: *See—*
Berthier, Jules H., and Colin.
- Comptoir Des Textiles Artificiels, assignee: *See—*
De Lacotte, Robert H., and Colombu.
- Comstock, Charles F., Hagerstown, Md. Aircraft load calculator. 2,444,693, July 6.
- Comstock, James A., Clyde, N. Y., assignor, by mesne assignments, to Acme Electric Corporation. Laminated magnetic core and method of making. 2,451,202, Oct. 12.
- Comstock, Rock L.: *See—*
Lippman, Alfred, Jr., Comstock, and Benjamin.
- Conabee, Ray S., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid operable stroke controlling device for fluid pumps. 2,443,301, June 15.
- Conable, Walter F.: *See—*
Garrett, Elmer E., and Conable.
- Conant, Harold B., Lincoln, Nebr. Rectifier type measuring instrument. 2,452,551, Nov. 2.
- Conant, Harold B., Lincoln, Nebr. Indicating circuit for alternating-current bridges. 2,454,776, Nov. 30.
- Conant, James S., Glenn Dale, Md. Jar cap. 2,443,095, June 8.
- Conaway, Rollin F., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermal-stretching apparatus for yarn. 2,456,384, Dec. 14.
- Condax, Louis M., assignor to Eastman Kodak Company, Rochester, N. Y. Registration of color separation images. 2,455,735, Dec. 7.
- Conde, George E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and aluminum powder. 2,455,854, Dec. 7.
- Conde, Harold E.: *See—*
Julian, Percy L., Cole, Magnani, and Conde.
- Condella, Samuel A.: *See—*
Schmidt, Otto da C., and Condella.
- Condon, Ernest E., Hermanville, Md. Tube cutter. 2,448,578, Sept. 7.
- Condor, John, Philadelphia, Pa. Extensible tool shank. 2,438,633, Mar. 30.
- Cone Automatic Machine Company, assignee: *See—*
Miller, Carroll E., and Ingalls.
- Cone Automatic Machine Company Inc., assignee: *See—*
Haynes, Leslie W.
Ingalls, John M.
- Cone, Charles N., assignor to M and M Woodworking Company, Portland, Oreg. Making laminated structures. 2,444,918, July 13.
- Cone, Charles N., assignor to M and M Wood Working Company, Portland, Oreg. Laminated product and manufacture. 2,452,226, Oct. 26.
- Cone Mills Corporation, assignee: *See—*
Heiss, Marion W.
- Cone, Richard R., assignor to Threads, Incorporated, Gastonia, N. C. Singeing apparatus and method. 2,444,553, July 6.
- Coney, James D., Chicago, assignor to C. B. Albert, Sullivan, Ill. Adjustable connector for sliding members and the like. 2,439,073, Apr. 6.
- Confections, Inc., assignee: *See—*
Kooman, Jacob J.
- Congoleum-Nairn Inc., assignee: *See—*
Hazelhurst, Edward.
- Conhagen, Alfred, assignor to Alfred Conhagen, Inc., New York, N. Y. Plastic tube bearing. 2,442,919, June 8.
- Conhagen, Alfred, Inc., assignee: *See—*
Conhagen, Alfred.
- Conjurske, Frank J., Sturgeon Bay, Wis. Sanitary cover and cushion for shampoo boards. 2,453,784, Nov. 16.
- Conkey, Edward L., Seneca Falls, N. Y. Machine tool attachment. 2,436,952, Mar. 2.
- Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Selsyn-controlled electric motor system. 2,434,836, Jan. 20.
- Conklin, James W., Indianapolis, Ind., assignor to Radio Corporation of America. Electro-servo system. 2,455,979, Dec. 14.
- Conklin, Johnie E., Oakland, Calif. Power shovel. 2,449,279, Sept. 14.
- Conklin, Ray B., Buffalo, N. Y. Cargo-carrying airplane. 2,448,862, Sept. 7.
- Conklin, Robert M., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 2,452,733, Nov. 2.
- Conlan, David, assignor to Conlan Electric Corporation, Brooklyn, N. Y. Solenoid with plunger and latch. 2,448,959, Sept. 7.
- Conlan, Electric Corporation, assignee: *See—*
Conlan, David.
- Conley, Burns, United States Army, Wevaco, W. Va. Vacuum tube electronic switch. 2,446,170, Aug. 3.
- Conley, Charles, Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Silica brick. 2,446,975, Aug. 10.

- Conley, Clarence, Adamsville, Tex. Well cylinder valve puller. 2,455,736, Dec. 7.
- Conley, Reuben T., Millington, Md. Emergency tire. 2,442,996, June 8.
- Conlon-Moore Corporation, assignee: *See—*
Babcock, Henry H.
- Conmar Products Corporation, assignee: *See—*
Jones, Lester L.
Kuzmick, Joseph N.
- Conn, C. G., Ltd., assignee: *See—*
Kent, Earl L.
Kent, Earle L., and Treseder.
- Conn, John B., Scotch Plains, assignor to Merck & Co., Inc., Rahway, N. J. Thiamin dioctyl sulfo succinate. 2,437,504, Mar. 9.
- Conn, John B., and J. van de Kamp, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Electrolytic oxidation of quinoline to quinolinic acid. 2,453,701, Nov. 16.
- Connecticut Tool & Engineering Company, assignee: *See—*
Tomek, Ernst J.
- Connecticut Variable Gear Corporation, The, assignee: *See—*
Morgan, Porter S.
- Connell, William S., Norwood Park Township, Cook County, Ill., and P. F. Boettcher and C. M. Holmen, Grand Haven, Mich., assignors to The Bastian-Blessing Company, Chicago, Ill. Article dispensing device. 2,435,177, Jan. 27.
- Conner, Edwin W., Detroit, Mich. Toilet seat. 2,447,738, Aug. 24.
- Conner, Edward A., Stratford, assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Winding machine. 2,437,725, Mar. 16.
- Conner, Guy O., Cleveland Heights, Ohio. Forming machine. 2,439,077, Apr. 6.
- Conner, Guy O., Cleveland Heights, Ohio. Forming machine. 2,440,848, May 4.
- Connolly, Gerald C., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparation of a titania gel-boria catalyst. 2,445,346, July 20.
- Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Making a hydrocarbon conversion catalyst. 2,448,960, Sept. 7.
- Connor, Harvey R., Seattle, Wash. Noninterlocking bumper guard. 2,453,362, Nov. 9.
- Connor, Robert S., Little Marais, Minn. Animal snare. 2,439,560, Apr. 13.
- Connor, Roger, assignor to The McBee Company, Athens, Ohio. Apparatus for printing and notching. Re. 23,026, Aug. 17.
- Connors, James S.: *See—*
Latchum, John W., Jr., and Connors.
- Conquest, Victor, trustees, et al.: *See—*
Kraybill, Henry R., and Beadle.
- Conrad, Delmar R.: *See—*
Reynolds, Frank M., and Conrad.
- Conrad, Delmar R., and F. M. Reynolds, San Gabriel, Calif. Telescoping drawbar. 2,444,979, July 13.
- Conrad, Elton: *See—*
Van Beuren, John M., and Conrad.
- Conrad, Harry E., Pomona, Calif. Dolly block with serrated work-engaging faces. 2,447,162, Aug. 17.
- Conrad, Joshua C., Oklahoma City, Okla. Cotton cleaning attachment for harvesters. 2,439,718, Apr. 13.
- Conrad, Leona M.: *See—*
Brennan, Joseph B., and Conrad.
- Conradt, Julius A. and R. J., Rochester, N. Y. Headrest. 2,452,103, Oct. 26.
- Conradt, Richard J.: *See—*
Conradt, Julius A. and R. J.
- Conroy, Leo J., Waterloo, N. Y. Lead screw coupling. 2,440,739, May 4.
- Consolidated Cosmetics, assignee: *See—*
Bent, George R.
- Consolidated Edison Company of New York, Inc., assignee: *See—*
Donovan, Lewis B.
- Consolidated Engineering Corporation, assignee: *See—*
Langmuir, Robert V.
McNamee, Bernard F.
Pemberton, J. C.
Washburn, Harold W.
Young, William S.
- Consolidated Lithographing Corporation, assignee: *See—*
Cahn, Leo.
- Consolidated Machine Tool Corporation, assignee: *See—*
Coghill, James T.
- Consolidated Mining and Smelting Company of Canada, assignee: *See—*
Sutherland, Brian P., Thompson, Simpkinson, and Morris.
- Consolidated Mining and Smelting Company, of Canada, Limited, The, assignee: *See—*
Lepsoe, Robert, and Jones.
- Consolidated Royal Chemical Corporation, assignee: *See—*
Lerner, Louis L.
- Consolidated Vultee Aircraft Corporation, assignee: *See—*
Drullner, Joseph M.
Giles, William M., and Kucera.
Hartman, Milton V.
Havens, Glenn G.
Johnson, Francis B.
Kittel, Howard S.
- Consolidated Vultee Aircraft Corporation, assignee: *See—*
Continued.
Notesteln, Edison L., and Rumpf.
Patton, James G.
Salisbury, Robert H., and Oehser.
Schmidt, Howard F.
Stringfield, Raymond B., and Miles.
Suggs, Dalton B.
Waller, Donald D.
Welge, Victor.
- Consolidated Water Power and Paper Company, assignee: *See—*
Dickerman, Gilbert K.
- Constant, Hayne, South Farnborough, and W. Merchant, Salford, said Merchant assignor to Metropolitan-Vickers Electrical Company, London, England. Axial flow turbines, compressors and the like. 2,445,661, July 20.
- Constant, Maurice, Reno, Nev. Glare screen. 2,445,473, July 20.
- Constantine, Arthur R., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Ironing machine. 2,456,385, Dec. 14.
- Container Corporation of America, assignee: *See—*
Cass, Thomas F., Jr., Kirk, and Lanigan.
Couth, Robert D., Potter, and Throckmorton.
Van Saun, Raymond H.
- Contardi, Nano F.: *See—*
Pernini, Henry M., and Contardi.
- Conterman, Fred A., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Wringer. 2,439,452, Apr. 13.
- Continental Can Company, Inc., assignee: *See—*
Anderson, Folke W.
Ardron, Gerald L.
Bendix, Gordon H.
Coyle, John.
Dodge, Thomas C.
Emmons, Clarence L.
Goldsworthy, Norman H.
Gray, Harry C.
Henchert, John.
Hermani, Louis.
Hoffecker, John W., Wilson, and Nenstiehl.
Jackson, George F.
Johnson, Scott R., and Mero.
Keogh, Thomas P.
Kronquest, Alfred L.
Kronquest, Alfred L., and Sedwick.
Larson, Ralph A.
Maier, Curtis E., and Green.
Mero, Ralph M.
Neuman, Wilbur K., and Slosberg.
Pearson, Paul E., and Treff.
Pfeffer, Edward C., Jr.
Seigh, Joseph W.
Thamem, Oswald I.
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
Treff, Alfred.
- Continental Carbon Company, assignee: *See—*
Ivester, Cecil B.
- Continental Carbon, Inc., assignee: *See—*
Jira, Joseph W.
- Continental Coffee Company, assignee: *See—*
Hamlet, Darrel P.
- Continental Electric Company, assignee: *See—*
McIlvaine, Hubert A.
- Continental Gin Company, assignee: *See—*
Benjamin, George W.
Brooks, Eugene H.
- Continental Motors Corporation, assignee: *See—*
Elleman, Tom, and Cloud.
Ginn, Earl, and Cloud.
Jackson, Thomas.
- Continental Oil Company, assignee: *See—*
Athy, Lawrence F.
Bell, Alexander H.
Bennett, Edwin O.
Jones, Harry R.
Jones, William A.
Liddell, James W., and Shannon.
Lincoln, Bert H., Byrkit, and Steiner.
Zurcher, Paul.
- Continental Steel Corporation, assignee: *See—*
Smith, Leander E.
- Contos, Harry A., assignee: *See—*
Papas, Gus S.
- Control Corporation, assignee: *See—*
Seymour, Charles E.
- Control Instrument Company, Inc., assignee: *See—*
Bower, John L.
Bozeman, John W.
Braun, Karl J.
Brownscrobe, Philip J.
Feller, Anton M.
Herr, Donald L.
Lang, Walter T.
Lehde, Henry.
Lehde, Henry, and Lang.
Lomax, Malcomb V.
- Controlled Heat & Air Limited, assignee: *See—*
McKeown, Charles G.
- Controls Laboratories, Inc., assignee: *See—*
Gano, Joseph J., and Richardson.
- Converse, Sherman, Graniteville, S. C. Apparatus for dyeing and treating cloth. 2,441,992, May 25.

- Converse, Sherman, and H. A. Woodhead, Jr., Aiken, S. C. Apparatus for boiling out cloth. 2,441,991, May 25.
- Conveyor and Machinery Manufacturers, assignee: *See*—Herrmann, John G.
- Conway, Woodville B., Escondido, Calif. Automatic ammunition feed for firearms. 2,448,081, Aug. 31.
- Conyne, Richard F.: *See*—Rothrock, David A., Jr., and Conyne.
- Conzelman, John E., Jr., assignor to Solar Aircraft Company, San Diego, Calif. Tube bender. 2,450,580, Oct. 5.
- Conzetti, Achille, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. *o,o'*-dihydroxy azo dyestuffs and making same. 2,447,163, Aug. 17.
- Conzetti, Achille, assignor to J. R. Geigy A. G., Basel, Switzerland. Chromable monoazo dyes. 2,447,164, Aug. 17.
- Cook, Charles A., Oshkosh, Wis., assignor to Fuller Manufacturing Co., Kalamazoo, Mich. Combined auxiliary transmission and power take-off. 2,438,539, Mar. 30.
- Cook Electric Company, assignee: *See*—Clare, Carl P., and Weinreich.
- Hasselhorn, Walter C.
- Hasselhorn, Walter C., and Jaap.
- Cook, Elmer W.: *See*—Dixon, James K., and Cook.
- Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Aminodiphenyl sulfides. 2,434,396, Jan. 13.
- Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Metal salts of acyl phenol monosulfides. 2,445,939, July 27.
- Cook, Frederick C., Pascagoula, Miss. Descaling and coating hot-rolled ferrous metal. 2,442,485, June 1.
- Cook, George W., Washington, D. C. Voltage regulator. 2,440,246, Apr. 27.
- Cook, George W., Washington, D. C. Electronic high-voltage regulator. 2,452,037, Oct. 26.
- Cook, John, Ridgewood, N. J. Unwinding device. 2,451,662, Oct. 19.
- Cook, John B., assignor to Reliable Electric Company, Chicago, Ill. Strain insulator assembly. 2,441,309, May 11.
- Cook, Leonard W.: *See*—Johnson, Wilber M., and Cook.
- Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Electric blanket and control therefor. 2,446,810, Aug. 10.
- Cook, Lyman, assignor to The Foxboro Company, Foxboro, Mass. Mechanical linkage. 2,455,329, Nov. 30.
- Cook, Martin L., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,448,774, Sept. 7.
- Cook, Nathan B., Syracuse, N. Y. Poppet valve assembling tool. 2,434,456, Jan. 13.
- Cook, Richard R., assignee: *See*—Wilson, Ray.
- Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company Limited, Wallsend-on-Tyne, England. Grinding or polishing of gears or other work. 2,443,227, June 15.
- Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary amplifier. 2,451,921, Oct. 13.
- Cook, William H., Toledo, Ohio. Ratio control comprising a chamber for a first liquid passing therethrough and a member therein having a port for feeding a second liquid into the first liquid. 2,441,259, May 11.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Bore gauge. 2,439,595, Apr. 13.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Copying machine. 2,441,549, May 11.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Copying machine with optical system. 2,446,575, Aug. 10.
- Cooke & Ferguson Limited, assignee: *See*—Buttrey, Ronald N.
- Cooke, Giles G., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure. 2,444,978, July 13.
- Cooke, Grady C., Winston-Salem, N. C. Rotary gas engine of the reaction type. 2,439,717, Apr. 13.
- Cooke, Grady C., Winston-Salem, N. C. Variable-speed transmission. 2,454,991, Nov. 30.
- Cooke, Henry H., Elizabeth, and J. B. Holtzclaw, Roselle, N. J., assignors to Stanco Incorporated. Incendiary bomb mixture. 2,445,311, July 20.
- Cooke, Henry H., Elizabeth, and J. B. Holtzclaw, Roselle, N. J., assignors to Stanco Incorporated. Incendiary bomb mixture. 2,445,312, July 20.
- Cooke, Maurice D.: *See*—Staudinger, Hanns P., and Cooke.
- Cooke, Theodore C., Swampscott, Mass. Drop hammer. 2,449,454, Sept. 14.
- Cooke, William A., assignee: *See*—Aeffek, Theodore H.
- Cooke, William H., Liverpool, and J. C. Smart, Widnes, England, assignors to Imperial Chemical Industries Limited. Separating benzene hexachloride isomers. 2,438,900, Apr. 6.
- Cooke, William T., Pelham Manor, and H. H. Willis, Pelham, assignors to The Sperry Corporation, Brooklyn, N. Y. Shock mounted and stabilized range finder. 2,446,529, Aug. 10.
- Cooklin, Leonard, and T. R. Hollis, assignors to Charles Twigg & Company Limited, Birmingham, England. Collapsible carriage. 2,437,380, Mar. 9.
- Cookman, Helen C., assignor to M. E. Cookman, New York, N. Y. Tie. 2,447,843, Aug. 24.
- Cookman, Mary E., assignee: *See*—Cookman, Helen C.
- Coolerator Company, The, assignee: *See*—Esbjornson, Per H.
- Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Support for electrooptical apparatus. 2,437,848, Mar. 16.
- Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Compensating for fading effects in a facsimile system. 2,446,635, Aug. 10.
- Cooley, Burnell, San Francisco, Calif. Interlocking mosaic. 2,454,307, Nov. 23.
- Cooley, Perry E., assignor to Thompson Products, Inc., Cleveland, Ohio. Making valves. 2,455,299, Nov. 30.
- Coombs, Robert E., and R. C. Hale, United States Coast Guard. Life jacket. 2,453,700, Nov. 16.
- Coon, Grant W.: *See*—Mages, Morris L., and Coon.
- Coon, Grant W., assignor to Magnaflex Corporation, Chicago, Ill. Method and means for detecting flaws in magnetizable objects. 2,447,899, Aug. 24.
- Coon, W. B., Company, assignee: *See*—Knowles, Richard E.
- Cooney, John R., Waldoboro, Maine. Electrical circuits. 2,456,050, Dec. 14.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Continuous absorption refrigerating system. Re. 23,032, Aug. 31.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption type portable air conditioning unit. 2,444,694, July 6.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,446,636, Aug. 10.
- Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating system. 2,452,835, Nov. 2.
- Coons, William H., Lomita, Calif. Well washer and tester. 2,449,642, Sept. 21.
- Cooper, Alfred: *See*—Staudinger, Hanns P., Kelly, and Cooper.
- Cooper, Alfred, assignor to Expanded Rubber Company Limited, Croydon, England. Production of expanded plastic materials. 2,447,055, Aug. 17.
- Cooper, Alfred, assignor to Expanded Rubber Company Limited, Croydon, England. Manufacture of expanded thermoplastic materials. 2,447,056, Aug. 17.
- Cooper, Arthur H.: *See*—Agate, Charlton S., and Cooper.
- Cooper, Basil P.: *See*—Mellerio, Lucien P., and Cooper.
- Cooper, Benjamin, Jersey City, N. J. Adding machine. 2,436,790, Mar. 2.
- Cooper, Benjamin, Scotia, and C. D. Cillie, Schenectady, N. Y., assignors to General Electric Company. Intermittent power control with end period meter. 2,440,932, May 4.
- Cooper, Charles A.: *See*—Hill, Maurice G., and Cooper.
- Cooper, Charles W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Non-tacky synthetic film. 2,456,387, Dec. 14.
- Cooper, David M., Huddersfield, England. Pile fabric. 2,452,104, Oct. 26.
- Cooper, Earl H., Chicago, Ill. Insulated flexible support for thermally conditioned tools. 2,436,552, Feb. 24.
- Cooper, Eli G., Great Barrington, Mass., assignor to the United States of America, as represented by the Secretary of War. Cheek pad for firearms. 2,451,473, Oct. 19.
- Cooper, Howell C., Sewickley, Pa. Storage means for liquefied gas. 2,437,909, Mar. 16.
- Cooper, Howell C., Sewickley, Pa. Liquefied gas extractor. 2,440,738, May 4.
- Cooper, Howell C., Sewickley, Pa. Cascade refrigeration unit with controls therefor. 2,456,386, Dec. 14.
- Cooper, James B., and A. B. Jepson, Seattle, Wash., assignors to Boeing Airplane Company. Pressure cabin control. 2,450,881, Oct. 12.
- Cooper, Joseph H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Platen drive for flash butt welders. 2,435,494, Feb. 3.
- Cooper, Julius L., Forest Hills, and P. A. Helst, Elmhurst, assignors to Bendix Aviation Corporation, Brooklyn, N. Y. Synchronous electric signaling system. 2,442,997, June 8.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Starting system for free-piston units. 2,439,453, Apr. 13.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Accumulator starting valve. 2,441,186, May 11.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Starting system for free piston units. 2,453,495, Nov. 9.

- Cooper, Leonard R., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Washing machine package. 2,442,844, June 8.
- Cooper, Lonzo S., Piqua, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating system having thermometer-receiving well at the evaporator inlet and outlet. 2,451,072, Oct. 12.
- Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Pressure relief device. 2,440,462, Apr. 27.
- Cooper, Morris, Chicago, Ill. Collapsible swing. 2,443,786, June 22.
- Cooper Oven Thermometer Company, The, assignee: *See*—Whittier, Elmer S.
- Cooper, Virgil K., North Hollywood, Calif. Self-wringing mop. 2,434,397, Jan. 13.
- Cooper, William A., Loughborough, and E. Start, Wilford, England. Straight-bar knitting machine. 2,443,813, June 22.
- Cooper, William H., Atlanta, Ga. Hydraulic cylinder and packing holder. 2,456,623, Dec. 21.
- Cooperider, Noel L., assignor to Butler Manufacturing Company, Kansas City, Mo. Wet cleanout system for filters. 2,435,201, Feb. 3.
- Coote, Frank T., Evanston, Ill. Head mirror device. 2,442,750, June 8.
- Cooter, Irvin L.: *See*—Peters, Chauncey G., Harris, Emerson, Cooter, and Nefflen.
- Cootes, Harold E., Detroit, Mich., and H. R. Graybill, Manheim, assignors to Animal Trap Company of America, Lititz, Pa. Chemical gun trap. 2,448,418, Aug. 31.
- Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Secondary alkyl (secondary) amino alcohol esters of aryl-substituted aliphatic acids. 2,456,555, Dec. 14.
- Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Secondary-alkyl (secondary) amino alcohol esters of para-dialkyl amino benzoic acid. 2,456,556, Dec. 14.
- Cope, Arthur C., Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Benzoic acid esters of secondary alkylamino propanols. 2,442,721, June 1.
- Cope, Arthur C., Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Para-amino benzoic acid esters. 2,442,797, June 8.
- Copeland, Brooks W., Prescott, Ariz. Automatic shutoff valve. 2,450,938, Oct. 12.
- Copeland, Frank B., assignor to The Joyce-Cridland Company, Dayton, Ohio. Adjustable fulcrum for lever mechanisms. 2,436,916, Mar. 2.
- Copeland, Ralph L., Piedmont, Calif. Aileron-rudder tab linkage. 2,445,940, July 27.
- Copeland Refrigeration Corporation, assignee: *See*—Buschmann, Oskar H.
- Copeland, Shirley C., Mansfield, assignor of one-half to E. C. Porter, Dallas, Tex.: Automatic throttle control. 2,455,233, Nov. 30.
- Copelin, Harry B.: *See*—Cass, Oliver W., and Copelin.
- Copelin, Harry B., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of furans. 2,436,764, Feb. 24.
- Copeman Laboratories Company, assignee: *See*—Jennings, Harley Y.
- Coplan, Myer, Hendon, London, England. Preparation of stable medicinal salts of acetylsalicylic acid. 2,447,396, Aug. 17.
- Copping, Bruce G., Atlanta, Ga., and E. S. Wegman, East Longmeadow, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metering motor operated pump for dispensing beverages. 2,440,365, Apr. 27.
- Coppock, Fred D., assignor to American Aggregates Corporation, Greenville, Ohio. Tarpaulin sewing machine. 2,444,335, June 29.
- Coppock, Kenneth E., Pleasant Ridge, and G. A. Smith, assignors to General Motors Corporation, Detroit, Mich. Front post and windshield construction. 2,456,175, Dec. 14.
- Copson, Ernest D., and R. J. Taylor, Claymont, assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filamentous products. 2,457,350, Dec. 28.
- Cor, Pierre, Paris, France. Vibration fatigue testing method and machine. 2,450,939, Oct. 12.
- Corbett, Herbert A.: *See*—De Witt, William J., and Corbett.
- Corbett, Mitchell S., Oak Park, Ill. Blade holder. 2,453,198, Nov. 9.
- Corbett, Robert L., Lakewood, Ohio. Club head retaining means for golf club bags. 2,436,687, Feb. 24.
- Corbett, Robert L., Lakewood, Ohio. Assembly features of golf club bags. 2,436,688, Feb. 24.
- Corbin, Douglas H., Dunstable, England, assignor to General Motors Corporation, Detroit, Mich. Spark plug manufacture. 2,446,908, Aug. 10.
- Corcoran, James L., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Spring loaded safety valve. 2,443,851, June 22.
- Corcoran, James P., West Los Angeles, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Stroboscopic light valve checking machine. 2,437,419, Mar. 9.
- Cordier, David E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Urea-formaldehyde composition. 2,446,867, Aug. 10.
- Cordis, Nat., Bassett, Wis. Electrical connection. 2,433,892, Jan. 6.
- Cordis, Nat., Bassett, Wis. Silo discharger. 2,445,056, July 13.
- Cordrey, Hancil: *See*—Duvall, Walter J., and Cordrey.
- Cordwares Company, Inc., The, assignee: *See*—Marti, Joaquin M.
- Corey, Flournoy, assignee: *See*—Drews, Harry E.
- Corey, James J., Jackson Heights, N. Y. Compressor. 2,436,854, Mar. 2.
- Corey, Lorin A., Cleveland Heights, and T. S. Mayner, Willoughby Township, Lake County, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread drying apparatus. 2,456,925, Dec. 21.
- Corhart Refractories Company, assignee: *See*—Field, Theodore E.
- Cork, Edward C.: *See*—Holman, Herbert E., and Cork.
- Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Flexible wave give for ultra high frequency energy. 2,436,421, Feb. 24.
- Cork, Edward C., and M. Bowman-Manifold, Ealing, London, F. H. Gale, Hillingdon, and R. Blythen, Norwood Green, assignors to Electric & Musical Industries Limited, Hayes, England. Circuit arrangement for mixing oscillations. 2,455,657, Dec. 7.
- Cork, Edward C., Ealing, London, and A. D. Blumlein, deceased, by D. Blumlein, executrix, Lescudjack, Penzance, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency impedance bridge. 2,456,679, Dec. 21.
- Corkery, Frank W., Crafton, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Synthetic rubber reclaimed with a reclaiming oil composed of solvent naphtha and an aromatic hydrocarbon oil. 2,449,879, Sept. 21.
- Corkery, Frank W., Crafton, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Synthetic rubber plasticized with a composition composed essentially of an aromatic hydrocarbon oil. 2,449,928, Sept. 21.
- Corkery, Frank W., Crafton, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Elastomer plasticizing composition composed of coumarone resin and an aromatic hydrocarbon oil. 2,449,929, Sept. 21.
- Corley, Ernest L., Charleston, S. C. Sleeve holding device. 2,447,491, Aug. 24.
- Corliss, John L., executor: *See*—Colvin, Charles M.
- Cornell, Hampton G.: *See*—Dawson, Oliver H., and Corneil.
- Cornelius, Frank H., assignor to Armstrong Cork Company, Lancaster, Pa. Moisture control device. 2,437,680, Mar. 16.
- Cornelius, James R., Coventry, England. Operation and control of change-speed mechanism. 2,443,228, June 15.
- Cornelius, Richard T., Minneapolis, Minn. Motor-driven compressor. 2,450,468, Oct. 5.
- Cornell Aeronautical Laboratory, Inc., assignee: *See*—Levine, Max M.
- Cornell-Dubilier Electric Corporation, assignee: *See*—Dubilier, William.
- Cornell, Elton S., Charlestown, N. Y., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Work gauge. 2,449,842, Sept. 21.
- Cornell Research Foundation, Inc., assignee: *See*—Steward, Colby W., and Rivenburgh.
- Cornell, Robert C., Jackson, assignor to The Dow Chemical Company, Midland, Mich. Heat-treating magnesium-alloy die castings. 2,449,768, Sept. 21.
- Cornett, Richard O., Cambridge, Mass. Null-type differential micromanometer. 2,434,837, Jan. 20.
- Corning Glass Works, assignee: *See*—Armistead, William H.
- Daudt, William H.
- Hicks, John F. G., and Henkel.
- Hood, Harrison P.
- Hyde, James F.
- Hyde, James F., and Daudt.
- Hyde, James F., and Johannson.
- Johannson, Oscar K.
- Mattoon, Deo R.
- McGregor, Rob R., and Warrick.
- Sheldon, John L.
- Speier, John L.
- Corn Products Refining Company, assignee: *See*—Kerr, Ralph W. and Schink.
- Leuck, Gerald J.
- Corntwaite, William R., Wilmington, Del., and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of peracid solutions. 2,448,252, Aug. 31.

- Cornwall, Leo W., San Diego, Calif. Spot weld tip with replaceable insert. 2,440,463, Apr. 27.
- Cornwall, Lionel B., New Canaan, Conn. Electrical sound translating device. 2,444,336, June 29.
- Cornwell, Lionel B., New Canaan, Conn. Magnetic sound translating head. 2,456,388, Dec. 14.
- Cornwell, Ralph T. K., and D. S. Porter, Fredericksburg, Va., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. The clarification of fermented liquors. 2,437,939, Mar. 16.
- Coronet Phosphate Company, assignee: *See*—
Maust, Ernest J.
- Coroniti, Samuel C., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Power control system. 2,444,153, June 29.
- Corporon, Richard P.: *See*—
Lappin, Lester S., and Corporon.
- Corrao, Beatrice M., Brooklyn, N. Y. Baby bottle holder. 2,451,718, Oct. 19.
- Corrêa, Alpoim, Rio de Janeiro, Brazil. Floor paste wax spreader. 2,438,843, Mar. 30.
- Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Locked-in oscillator circuits. 2,440,653, Apr. 27.
- Corse, Joseph W.: *See*—
Behrens, Otto K., and Corse.
Behrens, Otto K., Jones, and Corse.
Summers, William B., and Corse.
- Corson, Ben B., and R. S. Detrick, assignors to Koppers Company, Inc., Pittsburgh, Pa. Crude anthracene separation. 2,438,148, Mar. 23.
- Corson, Ben B., and G. A. Webb, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Dehydrogenating hydrocarbons using as catalyst calcium oxide on calcium carbonate. 2,444,035, June 29.
- Corson, G. and W. H. J., assignee: *See*—
Minnick, Leonard J.
- Corson, Michael G., New York, N. Y., assignor to The Linde Air Products Company. Refining copper and its alloys. 2,452,996, Nov. 2.
- Corte, Joseph P. D.: *See*—
Penfold, Hilliard F., and Corte.
- Cortés, Edmundo, New York, N. Y. Hygienic dustpan. 2,454,430, Nov. 23.
- Cortese, Ralph, East Orange, N. J. Electrode. 2,441,260, May 11.
- Cortland Line Company, Inc., assignee: *See*—
Hoyle, Egbert P.
- Corwin, Alphon H., Baltimore, Md., G. R. Jackson, Hollywood, Fla., and J. L. A. Webb, Baltimore, Md., assignors to Research Corporation, New York, N. Y. Antidote for heavy metal poisoning. 2,441,396, May 11.
- Corwin, Harry L., Los Angeles, Calif. Fog nozzle. 2,441,565, May 18.
- Corwin, R. A., & Son, assignee: *See*—
Corwin, Richard F.
- Corwin, Richard F., assignor to R. A. Corwin & Son, East Hampton, N. Y. Filter for sediment traps. 2,453,895, Nov. 16.
- Cosby, John N., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Benzoinitrile production from benzene or diphenyl and HCN. 2,449,643, Sept. 21.
- Cosentino, Joseph M., Baltimore, Md. Shock absorbing system for vehicles. 2,452,105, Oct. 26.
- Cosman, Cornelius M.: *See*—
Ramseyer, Charles F., and Cosman.
- Cosmetto, Aristodeme J., New York, N. Y. Mercury vapor lamp. 2,445,313, July 20.
- Cosper, Dale L., Auburn, assignor to The Studebaker Corporation, South Bend, Ind. Motor vehicle door frame construction. 2,443,676, June 22.
- Coss, George R.: *See*—
Hahn, Paul T., and Coss.
- Coss, Harold T., Plainfield, and E. R. Powell, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus for forming mineral wool mats. 2,450,916, Oct. 12.
- Cossey, Frank: *See*—
Marks, Graham W., Cossey, and Mills.
- Cossor, A. C., Limited, assignee: *See*—
Bedford, Leslie H., Bell, and Langham.
Davie, Owen H.
Jofeh, Lionel.
- Costa, Mannie F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Ice-cream dipper. 2,448,863, Sept. 7.
- Costa, Philip J., Franklin Square, N. Y., assignor to The Sperry Corporation. Detonation suppression system. 2,450,882, Oct. 12.
- Costakos, Theodore M., Minneapolis, Minn. Measuring valve. 2,457,531, Dec. 28.
- Costello, Frank E., Philadelphia, Pa. Bullet loosening improvements in cartridge disassembling machines. 2,449,059, Sept. 14.
- Costello, Thomas W., Everett, Wash. Can opener. 2,447,165, Aug. 17.
- Costelow, John F., Kansas City, Mo. Insulation cutter. 2,452,734, Nov. 2.
- Cosulich, Donna B., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of pterins. 2,444,005, June 22.
- Cotchefe, Gordon H., Long Beach, Calif. Radio antenna. 2,452,106, Oct. 26.
- Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shop, Boston, Mass. Creel structure for spinning and roving frames. 2,441,110, May 4.
- Cotes, Mervin F., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Window for cooking range oven doors. 2,438,270, Mar. 23.
- Cottingham, Howard L., Racine, Wis. Flexible wheel drive. 2,456,865, Dec. 21.
- Cotton, Robert B., Lansdowne, Pa., assignor to All American Aviation, Inc., Wilmington, Del. Aircraft barrier. 2,440,574, Apr. 27.
- Cotton, Robert B., Lansdowne, Pa., assignor to All American Aviation, Inc. Aircraft barrier. 2,450,328, Sept. 28.
- Cotton, Robert B., Lansdowne, Pa., R. J. Ryan, United States Marines, and J. J. Domoj, United States Navy. Release coupling. 2,441,919, July 13.
- Cotton, William, Limited, assignee: *See*—
Barber, Howard M.
Lynam, John E., and McCarthy.
Wilders, George, and Lynam.
- Cottrell, C. B., & Sons Company, assignee: *See*—
Luehrs, Hans J.
- Cottrell, Robert B., Chicago, assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,434,838, Jan. 20.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Friction absorbing device. 2,444,337, June 29.
- Cottrell, Robert B., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Brake arrangement for railway disc brakes. 2,438,473, Mar. 23.
- Couch, Glenn F., assignor to The Symington-Gould Corporation, Rochester, N. Y. Friction damped railway truck. 2,435,385, Feb. 3.
- Couch, James F., Glenside, and C. F. Krewson, Erdenheim, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Removing fats from rutin extracts. 2,453,305, Nov. 9.
- Couch, James F., and C. F. Krewson, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Converting nicotinonitrile into nicotinamide. 2,453,496, Nov. 9.
- Couch, Robert D., and E. C. Potter, Chicago, and E. A. Throckmorton, Dundee; said Potter and said Throckmorton assignors to Container Corporation of America, Chicago, Ill. Dispensing carton. 2,436,553, Feb. 24.
- Coulson, Silas, Jackson Heights, N. Y. Electroplating cylinders. 2,435,872, Feb. 10.
- Coulson, Walter, assignor to Ex-Cell-O Corporation, Detroit, Mich. Retractable boring tool assembly. 2,438,741, Mar. 30.
- Coulson, Walter, Detroit, Mich. Chuck. 2,448,579, Sept. 7.
- Coulter, Alexander: *See*—
Wiesner, Frank W., and Coulter.
- Coulter, Andrew F., Wilkensburg, assignor to F. Schaefer, Pittsburgh, Pa. Adjustable dead lever guide. 2,448,419, Aug. 31.
- Coulter, Guy H., assignor to United Lens Corporation, Detroit, Mich. Direction signaling system for automatic vehicles. 2,453,702, Nov. 16.
- Coulthard, William, Scotby, near Carlisle, England. Die casting machine. 2,449,280, Sept. 14.
- Counterman, Lewis B., Kenil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge. 2,441,397, May 11.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Furrow guided automatic steering attachment for tractors. 2,443,302, June 15.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Change gear transmission. 2,446,263, Aug. 3.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Hydraulic mechanism, especially plural cylinder system and control therefor. 2,450,270, Sept. 28.
- Courtaulds, Limited, assignee: *See*—
MacGregor, James H.
- Courtemanche, Edward O., Roseville, assignor to Briggs Manufacturing Company, Detroit, Mich. Control unit for welders. 2,434,350, Jan. 13.
- Courtemanche, Edward O., Roseville, assignor to Briggs Manufacturing Company, Detroit, Mich. Welding device. 2,434,351, Jan. 13.
- Courter, Donald H.: *See*—
White, Walter T., and Courter.
- Courtier, Armand: *See*—
Guinot, Henri M., and Courtier.
- Courtney, Edward J., Oaklyn, N. J. Pressure gauge. 2,447,739, Aug. 24.
- Courtney, Joseph F., Chicago, Ill. Illuminated safety switch. 2,434,065, Jan. 6.
- Courtright, John L.: *See*—
Klein, Harold L., and Courtright.
- Couse, Kibbey W., Newark, N. J. Shifting mechanism for power transmission apparatus. 2,434,791, Jan. 20.
- Couse, Kibbey W., Newark, N. J. Combination pry-and-boom structure. 2,446,410, Aug. 3.
- Couse, Kibbey W., Newark, N. J. Aircraft service power truck. 2,448,172, Aug. 31.
- Couse, Kibbey W., Newark, N. J. Protective packing means. 2,449,591, Sept. 21.
- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Pressure intensifier. 2,452,292, Oct. 26.

- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Holding apparatus with piston through which pressure fluid is passed. 2,453,785, Nov. 16.
- Cousins, Edward, assignor to Wingfoot Corporation, Akron, Ohio. Stabilization of vinyl resins. 2,446,976, Aug. 10.
- Coutchure, Wencel L., and J. H. Rollins, assignors to E. H. Young, trustee, Toledo, Ohio. Rotary tiller tooth and mounting. 2,443,096, June 8.
- Couty, Norman M., Detroit, Mich., assignor, by mesne assignments, to The Flex-O-Tube Company, Chicago, Ill. Swivel connection. 2,450,581, Oct. 5.
- Covent, Barnett, assignee, et al.: *See*—Keith, Glenn.
- Covent, Barnett B., assignee: *See*—Keith, Glenn.
- Coventry Gauge & Tool Company Limited, assignee: *See*—Wainwright, John E.
- Cover, Walter C.: *See*—Truax, Thomas H., and Cover.
- Cowan, Frank V., Chicago, Ill. Hollow article and method of making same. 2,448,173, Aug. 31.
- Cowan, Irma M., Chicago, Ill. Collapsible hanging garment container. 2,440,192, Apr. 20.
- Cowan, John C.: *See*—Teeter, Howard M., and Cowan.
- Cowan, John C., L. B. Falkenburg, and H. M. Teeter, Peoria, and P. S. Skell, Urbana, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Polyamides from polymeric fat acids. 2,450,940, Oct. 12.
- Coward, William J., Lakeland, Fla. Rectal spray depurator. 2,452,997, Nov. 2.
- Cowgill, Elspeth H., assignee, et al.: *See*—Hill, Irving, and Nelson.
- Cowgill, Harry B., Jr., Rockville Centre, N. Y. Glider pickup apparatus. 2,433,893, Jan. 6.
- Cowherd, Robert D., Atlanta, Ga., assignor to The Bristol Company, Waterbury, Conn. Control apparatus. 2,451,073, Oct. 12.
- Cowles, Irving, Chicago, Ill. Detachable hose coupling. 2,452,908, Nov. 2.
- Cox, Andrew J., Falls Mills, assignor of one-half to Renick J. Cox, Bluefield, Va. Coal drill and chuck. 2,451,922, Oct. 19.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,437,505, Mar. 9.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Modified optical objective having a simple divergent component air spaced between two compound convergent components. 2,449,769, Sept. 21.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Three component telephoto type optical objective. 2,452,909, Nov. 2.
- Cox, Edward H., Swarthmore, and J. M. Sprague, Drexel Hill, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Sulfonamido-S-substituted isothioureas. 2,441,566, May 18.
- Cox, Everett E., Los Angeles, Calif. Device for holding food during storing, cooking, and slicing. 2,442,557, June 1.
- Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,438,102, Mar. 16.
- Cox, George W.: *See*—Welsh, Robert J., and Cox.
- Cox, Herbert F., Jr.: *See*—Nordquist, Ronald E. J., and Cox.
- Cox, Irvin W., West Allis, and L. D. Drugmand, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Power tube. 2,445,564, July 20.
- Cox, James L., Ramsey, assignor to Duro-Test Corporation, North Bergen, N. J. Light source. 2,449,880, Sept. 21.
- Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton. 2,446,264, Aug. 3.
- Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Cellular carton. 2,455,295, Nov. 30.
- Cox, Joseph H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation control system for vapor electric devices. 2,447,638, Aug. 24.
- Cox, Joseph H., Pittsburgh, A. P. Colalaco, Wilkinsburg, and H. A. Rose, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Pump. 2,437,849, Mar. 16.
- Cox, Parker G., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Edge filter. 2,447,797, Aug. 24.
- Cox, Parker G., and H. A. Hansen, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Sediment trap for filter provided with magnetic means. 2,437,221, Mar. 2.
- Cox, Ralph E., Schenectady, N. Y., assignor to General Electric Company. High-frequency induction heating apparatus. 2,454,039, Nov. 16.
- Cox, Renick J., assignee: *See*—Cox, Andrew J.
- Cox, Richard A., Gainesville, and L. D. Hartsfield, Lake City, Fla. Bottle holder. 2,451,923, Oct. 19.
- Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Cellulose ether composition. 2,454,273, Nov. 23.
- Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Purifying a resinous lactone. 2,454,376, Nov. 23.
- Coxe, Charles D., Bridgeport, Conn. Oriented polymeric sheath. 2,438,901, Apr. 6.
- Coxey, Edward J., Little Falls, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator modulator. 2,441,955, May 25.
- Coxhead, Charles B., New York, N. Y. Iron with folding handle. 2,434,310, Jan. 13.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening metal container. 2,444,591, July 6.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Hand sealer for containers. 2,455,045, Nov. 30.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Attaching metal closures to containers. 2,455,737, Dec. 7.
- Coyle, John, Baltimore, Md., and J. F. Egenolf, assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar structure. 2,452,839, Nov. 2.
- Coyle, Lyof M., Babakin, Western Australia, Australia. Spring type toolholder. 2,450,582, Oct. 5.
- Crabtree, Ernest, Toronto, Ontario, Canada. Spot welder tip. 2,442,798, June 8.
- Crabtree, Ernest, Toronto, Ontario, Canada. Adapter for spot welding machines. 2,449,455, Sept. 14.
- Crabtree, J. A., & Co., Ltd., assignee: *See*—Hill, Walter E., and Wintle.
- Crabtree, Leonard F., Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc. Vote indicating system. 2,439,041, Apr. 6.
- Craft, Russell R., Boise, Idaho. Quick demountable wheel. 2,442,197, May 25.
- Craft, William S.: *See*—Given, Richard A., and Craft.
- Crafton, Henry H., Baden, assignor to H. H. Robertson Company, Pittsburgh, Pa. Fastener inserting tool. 2,435,738, Feb. 10.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,439,454, Apr. 13.
- Craig, Alfred B.: *See*—Gluesenkamp, Earl W., and Craig.
- Craig, Alfred B., and Craig.
- Craig, Burnie J., Los Angeles, County, Calif. Vehicle compartment hood and fender. 2,447,397, Aug. 17.
- Craig, Burnie J., Los Angeles County, Calif. Coincidental vehicle door locking system. 2,450,372, Sept. 28.
- Craig, David N.: *See*—Schrodt, John P., Craig, and Vinal.
- Craig, Edward C., U. S. Navy. Streamlined conductor cable. 2,435,956, Feb. 17.
- Craig, Edward C., United States Navy. Dual tube pneumatic life preserver belt. 2,451,474, Oct. 19.
- Craig, Edward C., and L. A. Straits, United States Navy. Dual tube pneumatic life preserver belt. 2,451,475, Oct. 19.
- Craig, Frank S., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Mounting covers on mechanism cases. 2,434,241, Jan. 13.
- Craig, George D., II, Flushing, N. Y. Electromagnetic circuit. 2,454,634, Nov. 23.
- Craig, Harold L., Hampton, Iowa. Fence post. 2,452,840, Nov. 2.
- Craig, John W.: *See*—Money, Roland H., and Craig.
- Craig, Kenneth A., and R. J. Aughter, Appleton, assignors to Paper Patents Company, Neenah, Wis. Panel facing. 2,448,357, Aug. 31.
- Craig, Palmer H., Gainesville, Fla., assignor to Invex Corporation, New York, N. Y. Electronic tube and control therefor. 2,435,202, Feb. 3.
- Craig, Palmer H., Gainesville, Fla., assignor to Invex, Inc. Television system. 2,444,221, June 29.
- Craig, Palmer H., Gainesville, Fla., assignor, by mesne assignments, to Invex Inc. Oxygen enrichment system for gas engine. 2,444,222, June 29.
- Craig, Ralph P., Los Angeles, and J. W. Norgauer, Hollywood, Calif. Bottle capper. 2,449,161, Sept. 14.
- Craig, W. E.: *See*—Hester, William F., and Craig.
- Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Filter heater. 2,446,126, July 27.
- Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Drilling control system. 2,455,917, Dec. 14.
- Crall, Irma, administratrix: *See*—Crall, William R.
- Crall, William R., deceased, Pampa, Tex.; I. Crall, administratrix. Antiparaffin sucker rod. 2,453,199, Nov. 9.
- Cram, Hervey G., Appleton, assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Stock consistency responsive device. 2,442,888, June 8.
- Cram, Stanford W., Flushing, N. Y., assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge lamp. 2,444,397, June 29.

- Cram, Wm. C., Jr., assignee, et al.: *See*—
Britton, Charles A.
- Cramer, Leonard F., Wayne, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cabinet for television receivers. 2,446,214, Aug. 3.
- Cramer, R. W., Company, Incorporated, assignee: *See*—
Schellens, Eugene L.
- Cramer, Richard D.: *See*—
Barrick, Paul L., and Cramer.
- Cramer, Richard D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric addition products of azobisformates and polyfluoroethylenes. 2,456,176, Dec. 14.
- Cramer, Richard R., Dayton, Ohio. Adjustable stool. 2,446,127, July 27.
- Cramer, Roy A., H. W., and R. A. Jr., Kansas City, Mo. Pivoted spring back rest. 2,437,940, Mar. 16.
- Cramer, Roy A., Jr.: *See*—
Cramer, Roy A., H. W., and R. A., Jr.
- Cramer, William F., Jr., assignor to The Dole Valve Company, Chicago, Ill. Drink dispenser. 2,454,595, Nov. 23.
- Crammer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, New York, N. Y. Reverse flow cleaner. 2,444,809, July 6.
- Crampton, Basil R., assignor by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Double-action flush valve lever. 2,454,431, Nov. 23.
- Crampton, Donald K., Marion, and P. E. Petersen and M. L. Wood, assignors to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Melting brass chips. 2,446,637, Aug. 10.
- Crampton, George S., Philadelphia, Pa., assignor, by mesne assignments, to the United States of America, as represented by the Atomic Energy Commission. Inspection periscope. 2,437,458, Mar. 9.
- Crampton Manufacturing Company, assignee: *See*—
Crampton, Basil R.
- Crandall, Bee C., Memphis, Tenn. Venturi ring machine. 2,449,881, Sept. 21.
- Crandall, George S.: *See*—
Berger, Henry G., Crandall and Socolofsky.
- Crandall, Julian T., Ashaway, R. I., assignor to Ashaway Line & Twine Mfg. Co. Harpoon construction. 2,448,864, Sept. 7.
- Crandall, Theron T., Canoga Park, Calif. Punch press stripper. 2,454,432, Nov. 23.
- Crandell, Ervin L.: *See*—
Pitman, Earle C., and Crandell.
- Crane, Carl J.: *See*—
Stout, Raymond K., Muller, Crane, and Holloman.
- Crane, Carl J., Dayton, Ohio. Apparatus for simulating wind effects in aviation ground trainers. 2,450,421, Oct. 5.
- Crane, Carl J., Dayton, Ohio. Photoelectric radio compass trainer control. 2,452,038, Oct. 26.
- Crane, Carl J., Dayton, Ohio. Apparatus for simulating wind effects in aviation ground trainers. 2,452,039, Oct. 26.
- Crane, Carl J., Dayton, Ohio. Automatic aural-visual signal transmitter for aviation ground trainers. 2,454,503, Nov. 23.
- Crane, Carl J., and G. V. Holloman, Dayton, C. W. Muller, Osborn, and R. K. Stout, Dayton, Ohio. Blind flying and blind landing system for aviation flight trainers. 2,457,130, Dec. 28.
- Crane, Charles A., Chicago, Ill. Lifting jack. 2,437,078, Mar. 2.
- Crane Co., assignee: *See*—
Bassett, Charles H.
Bryant, Corwin W.
Eckman, Harry A., and Maack.
Fawkes, Donald G., and Venton.
Gartz, William J.
Hoch, Arthur E.
Pluta, John J., Mayer, and St. John.
Stoyke, Ludwig T.
Ziegler, Nicholas A.
- Crane, Dan S., assignor to R. B. Crane, Shelbyville, Ill. Honeycomb uncapper. 2,448,775, Sept. 7.
- Crane, Edward V. and K. Kuhn, assignors to E. W. Bliss Company, Brooklyn, N. Y. Double seamer. 2,453,200, Nov. 9.
- Crane, Laurence H., Camden, Maine. Replaceable porcelain twister head. 2,436,632, Feb. 24.
- Crane Packing Company, assignee: *See*—
Hastings, Shirrel A., and Voytech.
Payne, Frank E.
Schmitz, Carl E.
Solari, Archie J.
Voytech, Charles F.
- Crane, Raymond E.: *See*—
Pieslak, Joseph W., and Crane.
- Crane, Robert B., assignee: *See*—
Crane, Dan S.
- Crane, Walton B., assignor to Alpak, Los Angeles, Calif. Shipping, storage, and display cartons. 2,450,941, Oct. 12.
- Crane, Webster O., assignor to Operadio Manufacturing Co., St. Charles, Ill. Electrical apparatus for loud speaker systems. 2,455,471, Dec. 7.
- Cranney, Beatrice, Seattle, Wash. Venetian blind cleaner. 2,452,107, Oct. 26.
- Cranston, Albert E., Jr., Portland, Oreg. Machine for severing and driving corrugated fasteners. 2,448,801, Sept. 7.
- Cranston Print Works Company, assignee: *See*—
Cady, George H., and Adams.
Jones, Albert S., and Stackpole.
- Crary, Charles H., Hammond, Ind. Automatic change check. 2,435,873, Feb. 10.
- Craven, Howard F., Redondo Beach, Calif. Hand operated rotary impact screw driver. 2,450,185, Sept. 28.
- Cravenette Company, U. S. A., The, assignee: *See*—
Bellwood, Carl R.
- Craver, John K., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Removing paint, varnish, and lacquer films from surfaces. 2,438,038, Mar. 16.
- Craver, Orville G., Sr., Chester, N. C. Lawn mower sharpener. 2,456,389, Dec. 14.
- Crawford, Bryce L., Jr., assignor to Regents of the University of Minnesota, Minneapolis, Minn. "Hot" double-base powder. 2,440,327, Apr. 27.
- Crawford, Charles P., Chicago, Ill. Cooking unit. 2,454,993, Nov. 30.
- Crawford Door Company, assignee: *See*—
Hackathorn, Robert A.
- Crawford, Francis W.: *See*—
Flatford, William R., and Crawford.
- Crawford, Jack C., U. S. Navy, Anacostia, D. C. Tripack film with emulsion layers adjacent each other and making same. 2,435,957, Feb. 17.
- Crawford, James H.: *See*—
Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sadgebury.
- Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-sealing fuel tank construction. 2,446,811, Aug. 10.
- Crawford, Robert B. P., Kansas City, Mo. Incubator. 2,439,719, Apr. 13.
- Crawley, Charles H., assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,447,900, Aug. 24.
- Crawley, James B., Washington, D. C., assignor to Radio Corporation of America. Timing modulation. 2,447,492, Aug. 24.
- Cray, Frank W., assignor to Interchemical Corporation, New York, N. Y. Typographic ink. 2,436,791, Mar. 2.
- Craze, William D., Farmington, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve for rock drills. 2,443,894, June 22.
- Cread Engineering and Research Company, assignee: *See*—
Gilman, Wilbert M.
Grosser, Christian E.
- Creamer, Robert M., Cumberland, Md., assignor to Celanese Corporation of America. Recovery of water-soluble cellulose esters. 2,448,082, Aug. 31.
- Creasy, Luther P., Catavissa, Pa. Sliding game piece. 2,444,810, July 6.
- Crede, Charles E.: *See*—
Grogan, Charles H., and Crede.
- Crede, Charles E., Alexandria, Va. Shock gauge. 2,455,356, Dec. 7.
- Creech, Ballard, Chehalis, Wash. Child's knockdown chair and table. 2,456,111, Dec. 14.
- Creel, James V., assignor to The Globe-Wernicke Co., Norwood, Ohio. Pin tray for metal desk center drawers. 2,442,038, May 25.
- Creel, William H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst chamber closure. 2,440,436, Apr. 27.
- Creelman, George D., Cleveland Heights, Ohio, assignor to The M. W. Kellogg Company, New York, N. Y. Reducing disengaging height in fluidized powder systems. 2,455,561, Dec. 7.
- Creevy, Charles, assignor to Glaxo Laboratories Limited, Greedford, England. Manufacture of compressed tablets and the like from finely divided ingredients. 2,444,282, June 29.
- Crehan, William J., Chicago, and R. J. Arnold, Western Springs, assignors, by mesne assignments, to Kellogg Switchboard and Supply Company, Chicago, Ill., and R. D. Collins, Beverly Hills, Calif. Apparatus for making elastic coil structures with longitudinal ends. 2,452,434, Oct. 26.
- Crepezzi, Anthony, Ozone Park, N. Y. Shoe last. 2,433,983, Jan. 6.
- Cresco Manufacturing Company, assignee: *See*—
Euck, Charles E.
- Creson, William K., assignor to Ross Gear & Tool Co., Lafayette, Ind. Reverse brake. 2,444,592, July 6.
- Creson, William K., and R. H., Jordan, assignors to Ross Gear & Tool Company, Lafayette, Ind. Steering gear. 2,456,390, Dec. 14.
- Crespi, Silvio B., Milan, Italy; vested in the Attorney General of the United States. Process and apparatus for treating milk, blood, and other globular liquids. 2,455,235, Nov. 30.
- Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric apparatus. 2,436,202, Feb. 17.
- Cressaty, George M., New York, N. Y. Magnifying reading unit. 2,453,064, Nov. 2.
- Cressey, Peter A., McGregor, Tex. Pressure indicator for pneumatic tires. 2,439,561, Apr. 13.

- Cresswell, Arthur, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Producing rayon. 2,442,331, June 1.
- Crest Silver Mfg. Co., Inc., assignee: *See*—Shatkin, Sidney.
- Creveling, John L., near Tucson, Ariz. Electric regulation. 2,441,059, May 4.
- Creveling, John L., near Tucson, Ariz. Electric regulation. 2,453,065, Nov. 2.
- Crever, Frederick E.: *See*—Thompson, Louis W., and Crever.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Electric motor control system. 2,436,203, Feb. 17.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Cabin supercharger regulator system. 2,439,239, Apr. 6.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Control system. 2,444,248, June 29.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Control system for aircraft turbo-superchargers. 2,454,038, Nov. 16.
- Crever, Frederick E., Scotia, and L. A. Burton, Schenectady, N. Y., assignors to General Electric Company. Aircraft cabin pressure control arrangement. 2,435,819, Feb. 10.
- Creveston and Company, Inc., assignee: *See*—Creveston, Harry D.
- Creveston, Harry D., assignor to Creveston and Company, Inc., Chicago, Ill. Injection apparatus. 2,442,758, June 8.
- Crewe, Samuel, assignee: *See*—Weber, William J.
- Crews, John F.: *See*—Meade, Reginald E., and Crews.
- Crews, John F., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Regenerative heating device. 2,435,424, Feb. 3.
- Cribb, Harold E., Glenside, and D. J. R. Both, Everard Park, assignors to Vacuum Extractors Limited, Adelaide, South Australia, Australia. Suction evacuator for removing the fluid content of eggs. 2,446,812, Aug. 10.
- Cribben and Sexton Company, assignee: *See*—Buhman, Conrad J., and Mendel.
- Crick, Cyril C., Pittsburgh, Pa. Conserving and delivering water. 2,455,234, Nov. 30.
- Crimora Research and Development Corporation, assignee: *See*—Jacobs, James H., and Yarroll.
- Crimp Seal Products Co., assignee: *See*—Foster, Cyril J.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Clothes rack. 2,448,253, Aug. 31.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine, including gangs of rotary disk knives. 2,456,866, Dec. 21.
- Crippen, Basil H., Titusville, Pa. Coupling. 2,454,994, Nov. 30.
- Crise, George W., Columbus, Ohio. Thermostatic control and signaling device. 2,448,776, Sept. 7.
- Crise, George W., Columbus, Ohio. Massaging apparatus. 2,448,777, Sept. 7.
- Crise, George W., Columbus, Ohio. Automatic boat-steering mechanism. 2,448,778, Sept. 7.
- Crise, George W., Columbus, Ohio. Switch mechanism for automatic stokers. 2,448,779, Sept. 7.
- Crise, George W., Columbus, Ohio. Electrostatic air filter and circulator. 2,455,738, Dec. 7.
- Critchlow, Leo T., Monterey, Calif. Eel trap. 2,441,219, May 11.
- Crites, Nelson A., Columbus, Ohio. Playhouse. 2,444,695, July 6.
- Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor valve mechanism. 2,447,686, Aug. 24.
- Crocker, Floyd, assignor to McInerney Plastics Company, Grand Rapids, Mich. Mounting. 2,443,343, June 15.
- Crocker, Guy J., New Brunswick, N. J., assignor to Industrial Tape Corporation. Web tension equalizing device. 2,454,863, Nov. 30.
- Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Detaching system. 2,444,554, July 6.
- Crockett, Robert E., Upper Montclair, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic concentrate washing means for submerged belt magnetic separators. 2,446,813, Aug. 10.
- Crockett, Robert E., and P. S. Haselton, Montclair, N. J. Submerged-belt type magnetic separator. 2,437,681, Mar. 16.
- Crockett, Thomas E., Nowata, Okla. Copy camera carriage supporting structure. 2,441,687, May 18.
- Crockwell, Douglass, Glens Falls, N. Y. Method of producing animated motion pictures. 2,444,729, July 6.
- Croco, Charles P., Buffalo, N. Y., and J. H. Blankenbuehler, Troy, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding control system. 2,449,456, Sept. 14.
- Croft, Harold S., Elwood, Victoria, Australia. Unitary sanitary napkin. 2,438,039, Mar. 16.
- Croft, Harry E., Chicago, Ill. Flashlight. 2,456,680, Dec. 21.
- Croft, Hiram D., Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Friction drive. 2,444,017, June 22.
- Crofton, Nelle M., Parkersburg, W. Va. Broom and mop combination. 2,446,814, Aug. 10.
- Crofton, Wilfred B., Illovo, assignor of one-half to Koppel Engineering (Proprietary) Limited, Johannesburg, Transvaal, Union of South Africa. Stroke control for reciprocating pumps. 2,435,711, Jan. 30.
- Croisant, Donald P.: *See*—Dolza, John, Croisant, Gaubatz, and Perish.
- Crom, John M., Washington, D. C., assignor to The Preload Corporation, Boston, Mass. Gas holder. 2,441,660, May 18.
- Crom, John M., Washington, D. C. Grout projecting apparatus. 2,444,811, July 6.
- Crombach, Nicholas, San Francisco, Calif. Dental welding machine. 2,448,865, Sept. 7.
- Crompton & Knowles Loom Works, assignee: *See*—Bergstrom, Carl P.
- Crouwer, Benjamin W., and Sepavich.
- Dion, Raymond F.
- Dion, Raymond F., and Wakefield.
- Flynn, Maurice J.
- Gordon, Albert A., 3d.
- Kronoff, Clarence R., and Peterson.
- Kronoff, Clarence R., and Sepavich.
- Krukonis, Alexander C.
- Palmer, Albert, and Sepavich.
- Peterson, George N.
- Robb, Walter Y.
- Santon, Elliot A.
- Schedin, Robert S.
- Sepavich, Victor F.
- Sepavich, Victor F., and Kronoff.
- Sepavich, Victor F., and Manoog.
- Turner, Richard G.
- Wakefield, Walter H.
- Croname, Incorporated, assignee: *See*—Tyler, Merle D.
- Cronan, Walter I., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing piezo crystals. 2,454,777, Nov. 30.
- Crone, Thomas B., Tacoma, Wash. Soldering and tinning flux. 2,456,624, Dec. 21.
- Cronin, Helen, Cincinnati, Ohio. Shoe cleaning guard. 2,436,953, Mar. 2.
- Cronin, Howard J., Glens Falls, assignor to International Paper Company, New York, N. Y. Groundwood bleaching by hydrosulfite. 2,450,034, Sept. 28.
- Croninger, George J.: *See*—Miller, William J., Reese, and Croninger.
- Cronrath, Paul, Spokane, Wash. Fruit picking bag. 2,435,921, Feb. 10.
- Crook, Lloyd M., Long Beach, Calif. Clamp. 2,438,541, Mar. 30.
- Crooks, Fuller A.: *See*—Burke, James D., and Crooks.
- Cropp, David, Rochester, N. Y., assignor to Cropp Engineering Corporation, Warren, Pa. Molding machine. 2,440,366, Apr. 27.
- Cropp, David, Rochester, N. Y., assignor to Cropp Engineering Corporation, Warren, Pa. Molding machine. 2,440,367, Apr. 27.
- Cropp Engineering Corporation, assignee: *See*—Cropp, David.
- Crosby, David R., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillation generator. 2,439,286, Apr. 6.
- Crosby, David R., Haddonfield, N. J., assignor to Radio Corporation of America. Radio-frequency wattmeter. 2,443,097, June 8.
- Crosby, Edward, assignee: *See*—Schultz, Anthony J.
- Crosby, George A.: *See*—Leslie, John H., II, and Crosby.
- Crosby, Harry E., Los Angeles, Calif. Extraction press. 2,436,064, Feb. 17.
- Crosby, John G., Minneapolis, Minn. Variable throw eccentric. 2,445,605, July 20.
- Crosby, Melvin A.: *See*—Luaces, Enrique L., and Crosby.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Differential detector circuits. Re. 22,996, Apr. 27.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Receiver and wave monitor. 2,437,910, Mar. 16.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Electric motor control. 2,440,600, Apr. 27.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity combiner. 2,441,661, May 18.
- Crosby, Murray G., Riverhead, Long Island, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,445,708, July 20.
- Crosby, Murray G., Riverhead, assignor to Press Wireless, Inc., New York, N. Y. Frequency-shift telegraph system. 2,446,077, July 27.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,447,057, Aug. 17.

- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,448,866, Sept. 7.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Receiver muting circuit. 2,452,436, Oct. 26.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Air filter for polishing machines. 2,439,596, Apr. 13.
- Crosby, William J., Waterbury, Conn. Easel frame. 2,448,580, Sept. 7.
- Croskey, Earl H., and V. M. Hackman, assignors of one-third to C. W. Mossman, Cedar Rapids, Iowa. Door check. 2,453,831, Nov. 16.
- Crosley Motors, Inc., assignee: *See*—Klotsch, Paul.
- Crosley, Raymond W., Hazel Crest, and A. L. Raymond, Northfield, assignors to G. D. Searle & Co., Skokie, Ill. Producing sodium tetrathionate. 2,439,720, Apr. 13.
- Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Repeater compass. 2,437,506, Mar. 9.
- Cross, Charles A., Northwich, England, assignor to Imperial Chemical Industries Limited. Manufacture of phenols. 2,438,694, Mar. 30.
- Cross, Donald O., Evansville, Ind. Hair curl pin. 2,457,303, Dec. 28.
- Cross, George L., Loudonville, assignor to Tobin Packing Co., Inc., Albany, N. Y. Meat product and making the same. 2,440,168, Apr. 20.
- Cross, Harold V., Miles City, Mont. Honda. 2,453,497, Nov. 9.
- Cross, Lloyd E.: *See*—Lingen, Ralph A. and Cross.
- Cross, Marie E., assignee, et al.: *See*—Lingen, Ralph A. and Cross.
- Cross, Roy, assignor to Kansas City Testing Laboratory, Kansas City, Mo. Parasiticide composition. 2,444,154, June 29.
- Crossley, Arthur, Bolton, England. Obturator for ordnance. 2,444,633, July 6.
- Crossman, Fred, and E. A. Southam, Cleveland., and G. J. Ruhl, Shaker Heights, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Needle grinder. 2,457,644, Dec. 28.
- Crossman, Stephen H., St. Joseph, Mich. Gun sight. 2,445,314, July 20.
- Crost, Munsey E., Asbury Park, N. J., assignor to United States of America as represented by the Secretary of War. Analysis of electrical transients. 2,443,603, June 22.
- Crost, Munsey E., Asbury Park, N. J., assignor to the United States of America, as represented by the Secretary of War. Signal generator for testing the resolving power of cathode-ray tubes. 2,444,036, June 29.
- Crotty, Michael C., Flushing, N. Y. Boiler. 2,451,321, Oct. 12.
- Crouch, Willie W.: *See*—Schulze, Walter A., and Crouch.
- Crouse-Hinds Company, assignee: *See*—Petree, Jay R.
- Crout, Prescott D.: *See*—Coffin, Francis P., Jr., Bothwell, and Crout.
- Crowe, John M., Covington, Ky. Atomizing fuel burner with cooling jacket. 2,457,304, Dec. 28.
- Crowe, Matthew R., Winthrop, Mass. Combined pressure and temperature relief valve. 2,444,130, June 29.
- Crowe, Orley J.: *See*—Hall, William J., and Crowe.
- Crowell, Milton E., Oak Park, Ill., assignor to H. & A. Selmer, Inc., Elkhart, Ind. Drum pedal. 2,446,508, Aug. 3.
- Crowell, Oscar H., Russellville, Ala. Salt and pepper shaker. 2,446,742, Aug. 10.
- Crowley, Cornelius J.: *See*—De Laney, Wallace W., and Crowley.
- Crowley, Daniel G., Remus, Mich. Remote control switching device. 2,456,256, Dec. 14.
- Crowley, George C., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,453,498, Nov. 9.
- Crowley, John A., Jr.: *See*—Utterback, Ernest, Sinclair, and Crowley.
- Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for contacting solids with gaseous reactants. 2,451,924, Oct. 19.
- Crowley, John A., Jr., New York, and O. G. Hayes, Manhasset, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion process. 2,437,222, Mar. 2.
- Crowley, John A., Jr., Scarsdale, N. Y., and C. V. Hornberg, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases and particle form solid material. 2,441,311, May 11.
- Crowley, John A., Jr., Scarsdale, N. Y., and W. D. MacGeorge, Drexel Hill, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Conveyor chain. 2,444,812, July 6.
- Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve insides. 2,451,276, Oct. 12.
- Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Liquid inflating device for tires. 2,434,991, Jan. 27.
- Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire repair clamp. 2,447,740, Aug. 24.
- Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem and valve. 2,451,277, Oct. 12.
- Crowley, Robert, North Quincy, Mass. Golf training and recording apparatus. 2,457,351, Dec. 28.
- Crown Can Company, assignee: *See*—Fromer, Walter C.
- Turner, Richard G.
- Crown Cork & Seal Company, Inc., assignee: *See*—Cooke, Giles B.
- Glock, Charles E.
- Warth, Albin H., and Grabus.
- Crown Cork Specialty Corporation, assignee: *See*—Rau, Harry A.
- Crown Stove Works, assignee: *See*—Rogers, Charles J., and Bright.
- Crown Zellerbach Corporation, assignee: *See*—Swift, Frank H.
- West, Wilfred H.
- Crowther, Cecil R., Pennside, and W. E. Brown, Reiffont, assignors to Reading Air Chutes, Inc., West Reading, Pa. Parachute device adapted to be launched from an aircraft or the like. 2,448,254, Aug. 31.
- Crowther, David, Minneapolis, Minn. Device for repointing twist drills. 2,455,562, Dec. 7.
- Crowther, Edmond C., Philadelphia, Pa. Fastening device. 2,452,437, Oct. 26.
- Croxall, Willard J.: *See*—Kroecker, Edwin H., and Croxall.
- Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of acetals. 2,446,171, Aug. 3.
- Croxall, William J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of acetal bodies from polyhydric alcohols. 2,447,975, Aug. 24.
- Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of ether acetals. 2,448,660, Sept. 7.
- Crozier, Alva H., Cheyenne, Wyo. Seed potato cutter, including an endless conveyor feeding to a stationary cutter. 2,450,583, Oct. 5.
- Crucible Steel Company of America, assignee: *See*—Payson, Peter.
- Williams, Morris F., and Gallt.
- Cruckshank, James H., New York, N. Y. Pallet. 2,436,554, Feb. 24.
- Cruikshank, Ross T., assignor of forty-five per cent to C. A. Anderson, Minneapolis, Minn., and ten per cent to L. Wigen. Pump jack. 2,445,133, July 13.
- Cruikshank, Virginius M., Sunbury, Pa. Convertible riparian structure. 2,434,457, Jan. 13.
- Crumb, Charles F., Clarendon Hills, L. H. Kaupke, R. R. Roney, La Grange, and L. E. Smith, Congress Park, Ill., assignors to International Harvester Company. Pickup baler. 2,450,082, Sept. 28.
- Crumbling, Donald L.: *See*—Crumbling, Everil C. and D. L.
- Crumbling, Everil C. and D. L., York, Pa. Egg cleaning device. 2,444,093, June 29.
- Crump, Elmo E.: *See*—Bryant, Newton W., Crump, Dungan, and Strand.
- Crump, Wallace M., Denver, Colo. Power take-off for tractors. 2,441,798, May 18.
- Crumrine, Chester W., assignor to Product Technicians, Inc., Rochester, N. Y. Electrical cord plug. 2,435,341, Feb. 3.
- Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to LFC Corporation, Rochester, N. Y. Animal trap. 2,437,507, Mar. 9.
- Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,445,166, July 13.
- Crumrine, Chester W., Irondequoit, N. Y., assignor to Kryptar Corporation. Photographic shutter. 2,446,265, Aug. 3.
- Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Focal-plane curtain shutter for cameras. 2,446,638, Aug. 10.
- Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,448,780, Sept. 7.
- Crumrine, Kenneth C.: *See*—Herzog, Gerhard, and Crumrine.
- Crumrine, Sol M., Des Moines, Iowa. Traction device. 2,438,656, Mar. 30.
- Crutcher-Rolfs-Cummings Company, assignee: *See*—Cummings, James D., and Laurent.
- Cruzan, Harold, Los Angeles, Calif. Cabin pressure regulator valve. 2,451,278, Oct. 12.
- Cryns, Max P., Kansas City, Mo., assignor, by mesne assignments, to I. M. Jones, Milwaukee, Wis. Wheat germ preparation. 2,450,123, Sept. 28.

- Crystal Research Laboratories, Incorporated, assignee: *See*—
Blackburn, Richard K.
- Cuban Dominican Sales Corporation, assignee, et al.: *See*—
Naugle, John J., and Wickenden.
- Cube Steak Machine Co., assignee: *See*—
Spang, Carl F.
- Cuccia, Carmen L.: *See*—
Donal, John S., Jr., Brown, and Cuccia.
- Cudahy Packing Company, assignee: *See*—
Shipner, John R.
- Cueni, Clement P., Arlington, assignor to Porete Mfg. Company, North Arlington, N. J. Composite prestressed concrete beam and slab structure. 2,435,998, Feb. 17.
- Culbert, Fred J., Norfolk, Va. Internal-combustion engine. 2,436,855, Mar. 2.
- Culbertson, Robert A.: *See*—
Angel, Charles M., and Culbertson.
- Culdice, Charles W., Wentworth, Wis. Nonhide cutting fleshing tool. 2,450,502, Oct. 5.
- Cullen, Arthur V., Jamaica Plain, Mass. Embalming appliance. 2,437,381, Mar. 9.
- Cullen, James G., and E. H. Spear, Baltimore, Md. Toy steam shovel. 2,445,105, July 13.
- Cullin, Helen A., administratrix: *See*—
Cullin, Jasper F.
- Cullin, Jasper F., deceased, Detroit, Mich.; H. A. Cullin, administratrix, assignor, by mesne assignments, to Better Packages, Inc., New York, N. Y. Tape dispensing mechanism. 2,456,625, Dec. 21.
- Cullinan, James T., administrator: *See*—
Thomas, Charles L. and Lee.
- Cullinan, John F.: *See*—
Smyth, Glen M., and Cullinan.
- Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of anthraquinonethiazole vat dyes. 2,453,410, Nov. 9.
- Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of pyrene-quinone vat dyestuffs. 2,454,433, Nov. 23.
- Cullman, Otto: *See*—
Hornbrook, Lester H., Jr., Wienke, and Cullman.
- Cullman Wheel Company, assignee: *See*—
Hornbrook, Lester H., Jr., Wienke, and Cullman.
- Culpepper, John O., Chatham, La. Poultry feeder. 2,433,894, Jan. 6.
- Culver, Merlyn M., Dayton, Ohio. Handle assembly casting rod. 2,456,681, Dec. 21.
- Cumming, James M.: *See*—
Leeds, Winthrop M., and Cumming.
Ludwig, Leon R., Baker, and Cumming.
Wallace, James M., Rawlins, Cumming, and Aspey.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit breaker. 2,434,549, Jan. 13.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,456,926, Dec. 21.
- Cummings, Ira R., deceased, by M. F. Cummings, executrix, Cranford, N. J. assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ionizing means for electrostatic dust-precipitation apparatus. 2,447,933, Aug. 24.
- Cummings, James D., and M. P. Laurent, assignors to Crutcher-Rolfs-Cummings Company, Houston, Tex. Pipe cleaning machine. 2,436,099, Feb. 17.
- Cummings, Joseph R., Venice, Calif. Tilttable utensil drawer. 2,450,233, Sept. 28.
- Cummings, Lowell O., and H. A. Vogel, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Solvent fractionation of tall oil. 2,444,730, July 6.
- Cummings, Margaret F., executrix: *See*—
Cummings, Ira R.
- Cummings, Robert E., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Braced head dome valve. 2,439,240, Apr. 6.
- Cummings, Thomas L., Port Angeles, Wash. Jet propelled helicopter rotor. 2,446,268, Aug. 3.
- Cummings, William W., Bradford, Vt. Fruit sectionizer. 2,457,645, Dec. 28.
- Cummins, Clyde, Middletown, Ind. Rider propelled vehicle. 2,444,980, July 13.
- Cunco, Joseph F.: *See*—
Doumani, Thomas F., and Cunco.
- Cunningham, Arthur R., Detroit, Mich. Vehicle construction. 2,453,499, Nov. 9.
- Cunningham, Arthur R., assignor to Ray Cunningham and Sons, Inc., Detroit, Mich. Vehicle construction. 2,453,500, Nov. 9.
- Cunningham, Charles G., Chicago, Ill. Curtain or panel and hanger structure therefor. 2,454,434, Nov. 23.
- Cunningham, David H., Haddonfield, and H. Belar, Palmyra, N. J., assignors to Radio Corporation of America. Magnetic field detector. 2,438,964, Apr. 6.
- Cunningham, Frederick W., Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y. Servo control system. 2,444,813, July 6.
- Cunningham, Frederick W., Stamford, Conn., assignor to Arma Corporation, Brooklyn, N. Y. Gun control compensating mechanism. 2,457,532, Dec. 28.
- Cunningham, Firmin M.: *See*—
Kratoville, Frank M., and Cunningham.
- Cunningham, George J., Babylon, N. Y. Clock. 2,437,459, Mar. 9.
- Cunningham, George L., Painesville, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa. Purifying aqueous alkali metal hydroxides. 2,446,868, Aug. 10.
- Cunningham, George L., Painesville, Ohio, assignor to Diamond Alkali Company, Pittsburgh, Pa. Preparing calcium hypochlorite. 2,446,869, Aug. 10.
- Cunningham, George L., and R. S. Robinson, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of alkali metal alcohates. 2,438,963, Apr. 6.
- Cunningham, James, Son & Company, assignee: *See*—
Brown, Percy F.
- Cunningham, John, assignee: *See*—
Briggs, Carl R.
- Cunningham, John E., and R. A. Kempe, assignors to Thompson Products, Inc., Cleveland, Ohio. Making hollow valves. 2,452,636, Nov. 2.
- Cunningham, John F., Jr., Greensburg, assignor to Elliott Company, Jeannette, Pa. Turbine rotor. 2,440,933, May 4.
- Cunningham, John J., Manchester, N. H. Racing toy. 2,441,060, May 4.
- Cunningham, Lewis L., Los Angeles, assignor to General Controls Co., Glendale, Calif. Magnetic control device. 2,435,425, Feb. 3.
- Cunningham, Marion M., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Fuel tank. 2,439,562, Apr. 13.
- Cunningham, Marion M., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Tank fitting. 2,441,009, May 4.
- Cunningham, Marion M., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Spring adjustable seating structure. 2,454,912, Nov. 30.
- Cunningham, Ray, and Sons, Inc., assignee: *See*—
Cunningham, Arthur R.
- Cunningham, Robert E., Jackson, Miss. Air or water attachment for dental engines. 2,437,017, Mar. 2.
- Cunningham, Roy N., Washington, D. C. Cryptographic attachment for typewriter. 2,435,130, Jan. 27.
- Cunningham, William A.: *See*—
Wrege, Edgar E., and Cunningham.
- Cuno, Charles W., Wilmington, Ill., assignor to The Lehon Company. Making granules. 2,439,650, Apr. 13.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,448,520, Sept. 7.
- Cupery, Martin E., Brandywine Hundred, and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Diallyl diglycolate-styrene copolymer. 2,451,536, Oct. 19.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-alkyl polymeric amic acids and coating compositions containing them. 2,456,177, Dec. 14.
- Cupler, John A., Cumberland, Md. Drill press. 2,439,965, Apr. 20.
- Cuppert, Charles H., Wayne Township, Passaic County, assignor to Newark Plaster Company, Newark, N. J. Making gypsum board and like gypsum products and products of such process. 2,442,321, May 25.
- Cupples, Homer L., Alexandria, Va., dedicated to the free use of the People in the territory of the United States. Preparing parasitocides containing aluminum hydroxide. 2,448,661, Sept. 7.
- Curatole, Arthur, Hartford, Conn.; M. S. Curatole, administratrix of said A. Curatole, deceased. Double-shank hammer-type tool. 2,435,556, Feb. 3.
- Curatole, Marie S., administratrix: *See*—
Curatole, Arthur.
- Curd, Francis H. S., C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrimidine compounds and making the same. 2,437,682, Mar. 16.
- Curd, Francis H. S., C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrimidine compounds and method of producing same. 2,437,683, Mar. 16.
- Curd, Francis H. S., Manchester, England, M. I. Hall (née Davis), Annan, Scotland, and E. C. Owen, F. L. Rose, and G. A. P. Tucey, Manchester, England, assignors to Imperial Chemical Industries Limited. Hydroxypyrimidine derivatives. 2,443,303, June 15.
- Curd, Francis H. S., Manchester, England, M. I. Hall (née Davis), Annan, Scotland, and E. C. Owen, F. L. Rose, and G. A. P. Tucey, Manchester, England, assignors to Imperial Chemical Industries Limited. Halogenopyrimidine derivatives. 2,443,304, June 15.
- Curd, Francis H. S., Manchester, England, M. I. Hall (née Davis), Annan, Scotland, and E. C. Owen, F. L. Rose, and G. A. P. Tucey, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrimidine derivatives. 2,443,305, June 15.
- Curell, Randal R., Jr., Lansdowne, Pa. Tractor-trailer construction. 2,445,134, July 13.
- Curl, Alfred: *See*—
Ambler, Joseph A., and Curl.
Roberts, Earl J., Ambler, and Curl.

- Curl, Herbert C., Jackson Heights, N. Y., and J. D. Kleinkauf, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and system for electronically generating complex signals. 2,455,472, Dec. 7.
- Curley, Clarke C., Lorain, Ohio. Door seal assembly. 2,445,315, July 20.
- Curley, Robert S., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Cotton picker and similar machine. 2,435,938, Feb. 10.
- Curran, Elwood M., Los Angeles, Calif. Disposable tooth cleaning kit. 2,454,995, Nov. 30.
- Curran, Fred J.: *See*—
Wild, Rudolf F., and Curran.
- Current, Ira B.: *See*—
Dearing, Le Roy M., and Current.
- Current, Philip M., Fort Wayne, Ind. Case for firearms. 2,455,296, Nov. 30.
- Currihan, John F., East Hampton, Conn. Bottle carrier. 2,441,346, May 11.
- Curry, Benjamin W., Jacksonville, Fla. Turbine blower. 2,450,186, Sept. 28.
- Curry, Glenn W., Fall River, Wis. Easel-type support. 2,441,932, May 18.
- Curry, Herman H.: *See*—
Schaelchlin, Walter and Curry.
- Curry, Herman H., United States Coast Guard. Electrical control system. 2,454,778, Nov. 30.
- Curry, Joseph P., New Bedford, Mass. Manufacturing combs for comb machines. 2,446,079, July 27.
- Curry, Paul N., assignor to Durametallic Corporation, Kalamazoo, Mich. Sealing device for shafts. 2,434,458, Jan. 13.
- Curry, Robert S., Jr.: *See*—
Depp, Marlin C., Curry, and Fragola.
- Curry, Robert S., Jr., Baldwin, A. W. Lane, Freeport, and S. E. Woodbury, Mineola, N. Y., assignors to The Sperry Corporation. Gyroscopic controlling means. 2,456,619, Dec. 21.
- Curry, William R., Ogden, Utah. Flushing device for douche syringes. 2,456,257, Dec. 14.
- Curson, Thomas: *See*—
Dowell, John H., Sternberg, and Curson.
- Curtin-Hebert Company, Inc., assignee: *See*—
Gursky, Henry D.
- Curtis, Alfred F., North Canton, and P. C. Rorick, assignors to The Republic Stamping & Enameling Company, Canton, Ohio. Cover construction for kitchen utensils. 2,441,688, May 18.
- Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,434,909, Jan. 27.
- Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direct-current voltage multiplier. 2,456,927, Dec. 21.
- Curtis, Cecil A., Manchester, and D. S. Stephens, Cheadle, England. Manufacture of rubberlike materials. 2,454,635, Nov. 23.
- Curtis, Charles G., Brea, Calif. Display page for coins and other objects. 2,449,204, Sept. 14.
- Curtis Companies Incorporated, assignee: *See*—
Bell, Forrest F.
- Curtis, Dale M., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Cutting apparatus. 2,447,976, Aug. 24.
- Curtis, David, New York, N. Y. Carbohydrate-boric acid salts of amino aromatic bases. 2,453,108, Nov. 9.
- Curtis, Edma H., Cincinnati, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Collapsible storage cabinet. 2,455,739, Dec. 7.
- Curtis, Fount E., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform type shoe. 2,445,847, July 27.
- Curtis, Franklin E., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Apparatus for indenting characters in medals and the like. 2,438,271, Mar. 23.
- Curtis, Franklin E., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Latch operated clutch. 2,456,928, Dec. 21.
- Curtis, Harry D., assignor of one-half to S. Schaefer, Fond du Lac, Wis. Portable dehydrating apparatus with a perforated floor. 2,442,344, June 1.
- Curtis, Helene, Industries, Inc., assignee: *See*—
Grant, Samuel.
Horwitz, Benjamin.
Nemeth, Otto R.
- Curtis, Horace L., Gifford, and G. H. McKinley and G. H. Miller, assignors to Scott & Williams, Incorporated, Laconia, N. H. Needle cam for circular knitting machines. 2,435,269, Feb. 3.
- Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Forging apparatus. 2,443,814, June 22.
- Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Grinding apparatus. 2,448,019, Aug. 31.
- Curtis, John R., Jr., Norwood, assignor to Scott Paper Company, Chester, Pa. Doctor holder. 2,445,135, July 13.
- Curtis, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.
- Curtis, Leslie F., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Variable frequency oscillatory system. 2,447,316, Aug. 17.
- Curtis, Leslie F., Haydenville, Mass., assignor to Hazeltine Research, Inc., Chicago, Ill. Magnetostrictive time-delay device. 2,455,740, Dec. 7.
- Curtis, Leslie F., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Arrangement for simulating a reactive impedance. 2,457,034, Dec. 21.
- Curtis, Lester L., Newark, N. J., assignor to The McBee Company, Athens, Ohio. Key punch. 2,448,961, Sept. 7.
- Curtis, Lucien B., Verona, N. J., assignor to Radio Corporation of America. Grid support structure. 2,454,377, Nov. 23.
- Curtis, Myron S., assignor to The Warner & Swasey Company, Cleveland, Ohio. Locating and locking mechanism for machine-tool turrets. 2,453,120, Nov. 9.
- Curtis, Osborn M., Jr., and T. M. Prudden, assignors to LobLure, Inc., Hingham, Mass. Fishing bait and preparing the same. 2,452,552, Nov. 2.
- Curtis, Osborn M., Jr., and T. M. Prudden, assignors to LobLure, Inc., Hingham, Mass. Fishing bait. 2,452,553, Nov. 2.
- Curtis Pump Company, assignee: *See*—
Curtis, Russell R.
- Curtis, Russell R., and Gates.
- Curtis, Richard C., Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y. Facsimile overload control with non-linear resistance in output. 2,457,131, Dec. 28.
- Curtis, Richard P., Marblehead, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Plotting and computing device. 2,437,243, Mar. 9.
- Curtis, Roger C.: *See*—
Roberts, Frederick W., and Curtis.
- Curtis, Russell R.: *See*—
Curtis, William H. and R. R.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump valve construction. 2,439,242, Apr. 6.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Aircraft booster pump and tank assembly. 2,442,639, June 1.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump valve construction. 2,451,925, Oct. 19.
- Curtis, Russell R., and R. L. Gates, assignors to Curtis Pump Company, Dayton, Ohio. Pump assembly. 2,439,241, Apr. 6.
- Curtis, Walter A., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat valve and spring therefor. 2,435,675, Feb. 10.
- Curtis, Wilbur K., Fresno, Calif. Bed cover holder. 2,446,362, Aug. 3.
- Curtis, William H., Los Angeles, Calif., and R. R. Curtis, Dayton, assignors, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Sliding vane air pump lubrication. 2,455,297, Nov. 30.
- Curtiss, Frank R., New Haven, Conn. Container. 2,437,079, Mar. 2.
- Curtiss, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Latch. 2,445,709, July 20.
- Curtiss, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Latching device. 2,448,083, Aug. 31.
- Curtiss, George E., Jr., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Latch. 2,451,380, Oct. 12.
- Curtiss, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator door latch. 2,451,381, Oct. 12.
- Curtiss-Wright Corporation, assignee: *See*—
Brady, George W.
Chilson, Charles W.
Cushman, Maurice E.
Davis, Harold J.
Dean, George A.
Detrich, Donald J.
Eaton, Bruce G., Jr., and Moses.
Engelhardt, Lloyd F.
Flader, Frederic E.
Gley, Paul R.
Griffin, Harry M.
Harris, Leslie M.
Hathorn, Charles E.
Houser, Herbert C.
Jenny, Robert W.
Jerger, Joseph.
Jones, Dedger.
Julian, George J.
Holt, Oscar E.
Klein, Mathias.
Keck, Andrew.
Knudsen, Erling M.
Kuska, Donald E.
Lemonier, Camille R., and Payne.
Maynard, Meade J.
McKinnie, William P., and Trammell.
Molloy, Eddie, and Raiche.
Newman, Albert J.
Palmatier, Everett P.
Rowe, Donald C.

Curtiss-Wright Corporation, assignee: *See*—Continued.

- Sawyer, James G.
 Schoenbaum, Joseph R.
 Sheets, Jack H.
 Sprague, Desmond.
 Statham, Louis D.
 Statham, Louis D., Baker, and Swartzel.
 Stulen, Foster B.
 Terepin, Raymond H., and Derrick.
 Walker, Elwood C.
 Wardle, Meredith C., and Howard.
 Winter, John S.
 Wright, Ben W.
- Curzon, Thomas, Acton, assignor to C. A. V. Limited, London, England. Thermostatic switch for controlling electric circuits. 2,436,633, Feb. 24.
- Cushman & Denison Manufacturing Company, Inc., assignee: *See*—
 Cushman, James S.
 Cushman, James S., assignor to Cushman & Denison Manufacturing Company, Inc., New York, N. Y. Marking device. 2,453,201, Nov. 9.
 Cushman, Lee H., South Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Valved-cylinder type motor. 2,435,270, Feb. 3.
 Cushman, Maurice E., Verona, N. J., assignor to Curtiss-Wright Corporation. Propeller blade, bearing and seal assembly. 2,438,542, Mar. 30.
 Cushman's Sons, Inc., assignee: *See*—
 MacManus, John.
- Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Aminoalkyl 9,10 - dihydroanthryl ketones. 2,450,122, Sept. 28.
- Custer, Willard R., Hagerstown, Md. Aircraft having high-lift wing channels. 2,437,684, Mar. 16.
- Custin, Thomas G., and R. G. Stoneman, assignors of one-third to J. Shaw, Milwaukee, Wis. Abrading machine. 2,438,543, Mar. 30.
- Cuthbert, Lowell R., assignee: *See*—
 Hillman, Lloyd A.
- Cuthbertson, George R., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 2,452,998, Nov. 2.
- Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rapid sweep radiating system. 2,436,380, Feb. 24.
- Cutler-Hammer, Inc., assignee: *See*—
 Anderson, Ralph P.
 Audier, Mark.
 Cox, Irvin W., and Drugmand.
 Defandorf, John L., and Sywulka.
 Douglas, Louis R., and Seeger.
 Dries, Jerome F.
 Elliot, William H.
 Elliot, William H., and Feldhausen.
 Feldhausen, Cyril P., and Lommen.
 Hunter, Richard B.
 James, Kenneth D.
 Jones, Jesse E., and Proudfoot.
 Krieger, Alvin W.
 Kuhn, Clarence W.
 Lawsen, Bivind U., and Johnson.
 Newman, John M.
 Randall, Cyril E.
 Ranson, Richard R.
 Richter, Walther and E.
 Rosing, Theodore F., and Seeger.
 Seeger, Edwin W., and Schmitz.
- Cutler, Jacob, Matapan, Mass., assignor to Maryland Baking Company, Inc., Baltimore, Md. Mechanism for applying adhesive to blanks in jacket forming machines. 2,435,739, Feb. 10.
- Cutler, Wallace M., Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Soaking, freezing, and drying by sublimation of untanned hides. 2,438,150, Mar. 23.
- Cutter, Arthur F., assignee: *See*—
 Slarkin, Alfred D.
- Cutter, Fred A., Berkeley, and W. F. Butler, Oakland, assignors to Cutter Laboratories, Berkeley, Calif. Stopper. 2,438,149, Mar. 23.
- Cutter Laboratories, assignee: *See*—
 Cutter, Fred A., and Butler.
 Cutter, Robert K.
- Cutter, Robert K., assignor to Cutter Laboratories, Berkeley, Calif. Snake bite kit. 2,447,844, Aug. 24.
- Cuttino, William H.: *See*—
 Gelselman, Ralph A., and Cuttino.
 Marbury, Ralph E., Owens, and Cuttino.
- Cuttino, William H., Wilkinsburg, and M. E. Horn, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,443,653, June 22.
- Cutts, Dorothea L., assignee: *See*—
 Cutts, Richard M.
- Cutts, Richard M., assignor of one-half to D. L. Cutts, The Plains, Va. Gas porting device for shotguns. 2,453,121, Nov. 9.
- Cyr, Howard M.: *See*—
 Gamble, David L., Cyr, Siller, and Bisbing.
- Cyril Bath Company, The, assignee: *See*—
 Bath, Cyril J.
- Czap, Eva A., Philadelphia, Pa. Handbag provided with removable, washable cover. 2,437,382, Mar. 9.
- D. B. C. Sales Corporation, assignee: *See*—
 Sigmond, David.
- Daane, Adrian H.: *See*—
 Wilhelm, Harley A., and Daane.
- Daboll, Walter F., Greensboro, N. C., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Self-threading shuttle eye. 2,439,158, Apr. 6.
- Dabrasky, August, Washington, D. C., W. V. Goodhue, Ipswich, Mass., and G. M. Taylor, Cooper, Tex., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fuse setter and rammer. 2,442,401, June 1.
- Dacas, Arthur: *See*—
 Mueller, Siegfried E., Anderson, and Dacas.
- Da Costa, Bartholomew, Long Island City, N. Y. Bed table. 2,456,867, Dec. 21.
- Dadant, Henry C., Hamilton, Ill. Bee comb foundation. 2,453,411, Nov. 9.
- Daddario, Joseph D., Franklin, Mass. Distributor for airborne fibers. 2,449,592, Sept. 21.
- Daddio, Pasquale, New York, N. Y. Pneumatic tire spreader. 2,440,740, May 4.
- Daddona, Anthony J., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Form tool fixture. 2,446,128, July 27.
- D'Adrian, Alexander L. D.: *See*—
 Bubb, Frank W., and d'Adrian.
- Dadson Enterprises, Inc., assignee: *See*—
 Tornberg, Isidor.
- Dadson, Thomas E., Detroit, assignor of one-half to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich., and one-half to Admiral Corporation, Chicago, Ill. Electric stove or range. 2,453,832, Nov. 16.
- Daellenbach, Raymond E., assignor of one-third to C. Humphrey, Grove City, Pa., and one-third to N. Nestas, Ellwood City, Pa. Auto-battery terminal connection. 2,434,398, Jan. 13.
- Daffer, Irven W., Mount Pleasant, Tex. Reversible stopper. 2,447,166, Aug. 17.
- Dagley, Robert, Jr.: *See*—
 Cheney, Harry A., Dagley, and McAllister.
- Dague, Silas R., Wichita, Kans. Typewriter carriage retractor device. 2,455,563, Dec. 7.
- Dahl, Alvin D., assignor to The Dow Chemical Company, Midland, Mich. Making dense magnesium oxide. 2,454,733, Nov. 23.
- Dahl, Arthur: *See*—
 Williams, Merlyn G., Jr.
- Dahl, Harry, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Tool for preparing contact blanks. 2,443,815, June 22.
- Dahl, Harry, and E. W. Huebner, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Automatic disk cutter. 2,445,167, July 13.
- Dahlander, Noël L., New Milford, Pa., assignor of one-half to R. J. Earl, Deerfield Beach, Fla. Cargo hook. 2,436,792, Mar. 2.
- Dahlberg, Ernst E.: *See*—
 Bergvall, Knut L., and Dahlberg.
- Dahle, Manfred B., Franklin, Va. Portable folding toilet seat. 2,443,068, June 8.
- Dahleen, Francis L., Los Angeles, Calif. Spring holding device for vehicles. 2,454,996, Nov. 30.
- Dahlgren, George, Chicago, Ill., and D. Lautenbach, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Reel motor control. 2,443,763, June 22.
- Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Flanged joint. 2,452,227, Oct. 26.
- Dahlstrand, Josef Y., assignor to Universal Gear Corporation, Indianapolis, Ind. Pumping mechanism. 2,434,459, Jan. 13.
- Dahlstrom, Eric P., assignor to The Carborundum Company, Niagara Falls, N. Y. Apparatus for facing and truing abrasive articles. 2,439,771, Apr. 13.
- Dahn, George, Richmond, Va. Violin bridge. 2,446,267, Aug. 3.
- Dahnke, Henry, Banning, Calif. Device for the control of flow of fluids. 2,456,626, Dec. 21.
- Daiger, George P.: *See*—
 Troxler, Charles G., and Daiger.
- Daigle, Herbert D., Providence, R. I. Fluid draining device. 2,449,060, Sept. 14.
- Dailey, Donald E., Bryn Mawr, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Two-temperature refrigerator. Re. 22,976, Feb. 24.
- Dailey, James A., Milwaukee, Wis. Doorstop. 2,444,981, July 13.
- Dailey, James R., and H. C. Yeager, assignors to Turner Manufacturing Company, Kokomo, Ind. Wheel balance weight. 2,441,619, May 18.
- Dailey, Karl F.: *See*—
 Clyde, George, and Dailey.
- Dailey, William E., Chicago, Ill. Toy. 2,452,841, Nov. 2.
- Dailey, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Spot welding apparatus. 2,455,564, Dec. 7.
- Dailey, William H., Jr., Library, and E. A. Di Nucci, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Shaft and bearing cooling means. 2,439,127, Apr. 6.
- Daily, John L., Johnstown, Pa. Corner fastener for plaster laths. 2,451,811, Oct. 19.

- Dainty, Ralph, Willenhall, England. Manufacture of sand cores. 2,439,563, Apr. 13.
- Dairy Equipment Company, assignee: *See—*
Moksnes, Karl E.
- Dairy Specialties, Inc., assignee: *See—*
Jones, John P.
- Dake, George E., Parkersburg, W. Va., and J. A. Lyne, Houston, Tex., assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Oil emulsion treater. 2,449,738, Sept. 21.
- Dakoski, Stanley, Chicago, Ill. Electric switch operable by alarm clocks. 2,438,544, Mar. 30.
- Dalbly, Delbert G., assignor to Roberts Paper Company, Amarillo, Tex. Manifolding device. 2,457,448, Dec. 28.
- Dale, Frank D., Coldwater, Kans., assignor to Harry Ferguson, Inc., Dearborn, Mich. Power takeoff. 2,448,662, Sept. 7.
- Dale, Frank L., New York, N. Y. Artificial hand. 2,457,305, Dec. 28.
- Dale, George T., Sea Cliff, N. Y. Adjustable hose drier. 2,436,856, Mar. 2.
- Dale, Wallace W., Barre Center, N. Y. Basket. 2,438,844, Mar. 30.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Copolymers comprising acrylonitrile and vinyl ethers and molecularly oriented articles composed thereof. 2,436,204, Feb. 17.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of a vinyl aryl compound, butadiene, and vinyl ethers. 2,437,420, Mar. 9.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of acrylonitrile, butadiene, and vinyl ethers. 2,437,421, Mar. 9.
- D'Alelio, Gaetano F., Northampton, Mass., assignor to General Electric Company. Copolymers of mixtures comprising allyl and methallyl ether esters. 2,437,508, Mar. 9.
- D'Alelio, Gaetano F., Shaker Heights, Ohio, assignor to General Electric Company. Interpolymer of diallyl fumarate and modified unsaturated alkyd resin. 2,441,799, May 18.
- D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Plasticized copolymers of compounds containing a single $\text{CH}_2=\text{C}<\text{group}$ and diesters of ethylene alpha beta dicarboxylic acids. 2,442,558, June 1.
- D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Copolymer of acrylate ester, acrylonitrile, and a diene-1,3. 2,442,588, June 1.
- D'Alelio, Gaetano F., Shaker Heights, Ohio, assignor to General Electric Company. Interpolymer of diallyl maleate and diethylene glycol maleate phthalate. 2,445,764, July 27.
- D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Acylhydrazino amino derivatives. 2,435,203, Feb. 3.
- D'Alelio, Gaetano F., Northampton, and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Nitroalcohol esters of acrylic acid and interpolymers produced from the same. 2,449,804, Sept. 21.
- Daley, Charles, West Newton, Mass., assignor to Radio Corporation of America. Preparing metal for metal-to-glass seals. 2,452,519, Oct. 26.
- Daley, Frank J., Schenectady, N. Y. Antiskid device. 2,442,322, May 25.
- Daley, Henry G., Woodbury Heights, and J. W. Payne and E. L. Sargent, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for manufacture of spheroidal particles. 2,446,784, Aug. 10.
- Dalferes, Anthony W., Lafayette, La. Lifting tongs. 2,457,646, Dec. 28.
- Dalin, David, Sodertalje, Sweden. Dust separator. 2,437,294, Mar. 9.
- Da-Lite Screw Company, Inc., assignee: *See—*
Heck, John T., and Du Mais.
- Dalkin, A., Company, assignee: *See—*
Yuza, Rudolph.
- Dalkowitz, Godfrey, Washington, D. C., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Blade container. 2,439,243, Apr. 6.
- Dallas, George M., and B. M. Fine, assignors to American Briquet Company, Philadelphia, Pa. Split roll for briquetting machines or the like. 2,455,980, Dec. 14.
- Dallenbach, Walter, Berlin W. 35, Germany; vested in the Attorney General of the United States. Junction between concentric and parallel conductor systems. 2,437,244, Mar. 9.
- Dallin, Milton R., Salt Lake City, Utah. Electric air heater. 2,451,926, Oct. 19.
- Dalmen, August: *See—*
Hoffman, Louis, and Dalmen.
- Dalton, Frank L., Ironto, Va. Sponge cleaning device. 2,449,281, Sept. 14.
- Dalton, Joseph P., Berlin, N. J. Signal staff holding finger. 2,438,314, Mar. 23.
- Dalton, Swanton D., Summit, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Cracking process. 2,437,383, Mar. 9.
- Dalton, William, Schenectady, N. Y. Automatic control for jet propelled rotors. 2,446,129, July 27.
- Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Aircraft propeller. 2,454,040, Nov. 16.
- Daly, Arthur J.: *See—*
White, Francis T., and Daly.
- Daly, Arthur J., and W. G. Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of mixed esters of glycols. 2,454,274, Nov. 23.
- Daly, Arthur J., and W. G. Lowe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of mixed esters of polyhydroxy compounds. 2,454,275, Nov. 23.
- Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,448,781, Sept. 7.
- Daly, Lawrence E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Composition of butadiene-acrylonitrile copolymer and styrene-acrylonitrile copolymer. 2,439,202, Apr. 6.
- Daly, Lawrence E., Osceola, and J. F. Schott, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Making cellular thermoplastic receptacles. 2,452,999, Nov. 2.
- Daly, Thomas A., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torpedo battery compartment. 2,447,639, Aug. 24.
- Daly, Webster J., Los Angeles, Calif. Apparatus for inspection of articles by means of X-ray photographs. 2,456,816, Dec. 21.
- Dalzen, Frederick R., assignee, trustee: *See—*
Overstedt, Ernest A.
- Dalzen, Louella M., assignee, trustee: *See—*
Overstedt, Ernest A.
- Dalzen, Russel, assignee, trustee: *See—*
Overstedt, Ernest A.
- Dalzen Trust, assignee: *See—*
Overstedt, Ernest A.
- Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Load ring for V-belts. 2,436,381, Feb. 24.
- D'Amico, Paul M., Philadelphia, Pa. Stuffing tube. 2,450,883, Oct. 12.
- Damschroder, Rudolph E., and M. E. Kauffman, assignors to Eastman Kodak Company, Rochester, N. Y. Removal of photographically active ingredients from gelatin. 2,449,980, Sept. 28.
- Dana, Charles A., North Plainfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locking apparatus for elevator platforms. 2,437,999, Mar. 16.
- Dana Corporation, assignee: *See—*
Miller, Kay.
Peterson, Carl D., and Barth.
Peterson, Carl D. and Deimel.
Thelander, W. Vincent.
- Dance, Darnell A., Salem, Ark. Static eliminator for radio receiving sets. 2,438,272, Mar. 23.
- Dance, Eldred L.: *See—*
Hill, Howard W., and Dance.
- D'Andrea, James: *See—*
Johnson, Nolan L., and D'Andrea.
- Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), Grenoble, France. Concentration canal of installations for recovering energy from sea waves. 2,435,576, Feb. 10.
- Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), Grenoble, France. Sea wave power installation. 2,436,793, Mar. 2.
- Danforth, Joseph D., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of N,N dibutyl phenethylamine. 2,449,644, Sept. 21.
- Danforth, Richard S., Berkeley, Calif. Anchor. 2,451,719, Oct. 19.
- Dangelmaier, Charles, Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Plasticized polyvinyl alcohol compositions. 2,448,358, Aug. 31.
- Daniel, Arthur F., Fairhaven, N. J., assignor to the United States of America as represented by the Secretary of War. Sealing device for dry cells. 2,447,493, Aug. 24.
- Daniel, Daniel J., Fort Smith, Ark. Combination implement. 2,434,550, Jan. 13.
- Daniel, Elias L., Los Angeles, Calif. Hand operated nut cracker with reciprocating jaw. 2,444,634, July 6.
- Daniel, Frederick K., Kew Gardens, assignor, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Fractionation of lacteal liquids. 2,437,080, Mar. 2.
- Daniel, Harry M., assignee: *See—*
Jones, Frank A.
- Daniel, Lewis H., Annapolis, Md. Self-sealing closure for containers. 2,436,291, Feb. 17.
- Daniel, Palo K., Houston, Tex. Machine for forming louvered fins for radiator cores. 2,443,377, June 15.
- Daniel, Thomas A.: *See—*
Blaisdell, Charles O., and Daniel.
- Daniel, Walter, assignor to The Troy Sunshade Company, Troy, Ohio. Tiltable umbrella. 2,441,689, May 18.
- Daniel, Walter C.: *See—*
Bader, Harry J., and Daniel.
- Daniell, Warren F., assignor to Great Northern Paper Company, Millinocket, Maine. Log debarking apparatus. 2,436,555, Feb. 24.

- Daniels, Amy J., North Wilbraham, Mass. Holder for intravenous apparatus. 2,449,882, Sept. 21.
- Daniels, Henry L., Kell, Ill. Portable projector table. 2,455,408, Dec. 7.
- Daniels, Oscar C., Sr., Oriental, N. C. Tonsillectome. 2,436,989, Mar. 2.
- Danielsson, Paul, Stora Essingen, assignor to Arenco Aketiebolag, Stockholm, Sweden. Fish dressing machine. 2,437,081, Mar. 2.
- Danilin, Irving A., New York, N. Y. Sleeve head pad for garments. 2,440,368, Apr. 27.
- Danley, Jeannette D., assignee: *See*—Messick, Turner B.
- Danlos, Pierre, Neuilly-sur-Seine, France. Obtaining multicolor pictures. 2,447,687, Aug. 24.
- Dann, Charles W., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical connector. 2,450,271, Sept. 28.
- Dana, John R.: *See*—Parson, William F., and Dann.
- Dannenberg, Hans: *See*—Adelson, David E., and Dannenberg.
- Morris, Rupert C., Dannenberg, and Finch.
- Dannenberg, Hans, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated ketones. 2,444,006, June 22.
- Dan River Mills, Incorporated, assignee: *See*—Carroll, William B., Jr.
- Littlejohn, Robert A.
- Newton, Russell B.
- Womble, Glenn F.
- Dansard, Félix J. M., St.-Chamond, France. Extensible electric conductor. 2,441,236, May 11.
- Dansereau, Charles E., Lakewood, assignor of one-half to H. M. Burt, Narragansett, and one-half to G. H. Burt, Cranston, R. I. Tubular lamp mounting. 2,436,250, Feb. 17.
- Dansereau, George H., Johnston, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder for fluorescent lamps. 2,441,871, May 18.
- Daon, Rene, assignor to Yankee Metal Products Corp., Norwalk, Conn. Rearview mirror mounting. 2,455,919, Dec. 14.
- Dapeo Products, Inc., assignee: *See*—Hadley, Harold F.
- Dapprich, William R., Baldwin Township, Allegheny County, Pa. Metal-working or like tool. 2,456,682, Dec. 21.
- Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,445,386, July 20.
- Darby, Douglas, assignee: *See*—Swain, Frank Edward.
- Darby, Joseph R., Richmond Heights, assignor, to Monsanto Chemical Company, St. Louis, Mo. Heat stabilized polyvinyl chloride compositions. 2,457,035, Dec. 21.
- Darby, Paul F., Long Hill, Conn., and L. A. Nevala, Richmond, Wash., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Electrical conductivity testing machine. 2,451,613, Oct. 19.
- Darbyshire, Richard W., Trenton, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Precipitation of basic calcium hypochlorite. 2,436,745, Feb. 24.
- Dardelet Threadlock Corporation, assignee: *See*—Evans, Edwin R.
- Darden, Walter G., Houston, Tex. Bicycle handle bar and seat attachment. 2,448,867, Sept. 7.
- D'Ardenne, Walter H., Jenkintown Manor, assignor to to Heintz Manufacturing Company, Philadelphia, Pa. Rocket stop assembly. 2,448,962, Sept. 7.
- D'Ardenne, Walter H., Jenkintown Manor, W. Devore, Horsham Township, Montgomery County, R. W. Wolf, Philadelphia, and T. E. Boyd, Melrose Park, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Mobile gun mount. 2,439,564, Apr. 13.
- Dare, Curtis T., assignor to Ex-Cell-O Corporation, Detroit, Mich. Machine tool. 2,442,868, June 8.
- Darkins, Samuel P.: *See*—Wilson, George V., and Darkins.
- Darley, William G., Cleveland Heights, Ohio, assignor to General Electric Company. Luminaire. 2,439,885, Apr. 20.
- Darling, Louis H., Vallejo, Calif., assignor to Fol-Gaf Limited. Cargo hook. 2,436,990, Mar. 2.
- Darling, Samuel M., assignor to The Standard Oil Company, Cleveland, Ohio. Conversion of hydrocarbons in the presence of a catalyst comprising alumina and an oxyfluoride of beryllium, titanium or zirconium. 2,449,061, Sept. 14.
- Darlington, Harold N., Birkenhead, and H. Holdsworth, Wirral, assignors to Commercial Solvents (Great Britain) Limited, Bromborough Port, England. Distillation of acetone, ethanol, and butanol, from aqueous solutions thereof. 2,454,734, Nov. 23.
- Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bombsight computer. 2,438,112, Mar. 23.
- Darlington, Sidney, New York, N. Y., and C. H. Townes, Mendham, and D. E. Wooldridge, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Computing bombsight. 2,439,381, Apr. 13.
- Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable frequency oscillator. 2,441,567, May 18.
- Darmody, William J., Philadelphia, Pa. Play-minimizing means for adjustable gauging members. 2,447,000, Aug. 17.
- Darnall, James C., Hyattsville, Md. Exterior bomb container for aircraft. 2,451,476, Oct. 19.
- Darnell, Richard C., Champaign, Ill. Device for hidden explosive mines. 2,448,020, Aug. 31.
- Darnell, Victor L., Centerville, assignor to The Master Electric Company, Dayton, Ohio. Hoist. 2,450,718, Oct. 5.
- Darsie, Burns: *See*—Chase, Irwin, and Darsie.
- Darsie, Burns, Bayonne, N. J., assignor to Electric Boat Company, Groton, Conn. Gun aiming and firing means. 2,451,614, Oct. 19.
- Darsie, William W., assignee: *See*—Ogden, Ashley G.
- Darvie, Irving: *See*—Darvie, Samuel and I., and Pearlman.
- Darvie, Samuel and I., and S. Pearlman, New York, N. Y. Clasp. 2,455,236, Nov. 30.
- Darworth, Inc., assignee: *See*—Hullinger, Carl D.
- Dasher, Don E.: *See*—Singleton, William W., and Dasher.
- Dasher, Don E., assignor to Bendix Aviation Corporation, Detroit, Mich. Apparatus for testing friction material. 2,441,993, May 25.
- Dasher, Paul J., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-sealing fuel tank. 2,438,965, Apr. 6.
- Dashew, Robert L., deceased, Baltimore, Md., by R. L. Dashew, administratrix, Pittsburgh, Pa. Knot tying mechanism. 2,454,689, Nov. 23.
- Dashew, Ruth L., administratrix: *See*—Dashew, Robert L.
- Dashman, Francis, New York, N. Y. Trout reel. 2,436,422, Feb. 24.
- D'Assis-Fonseca, Evelyn Cecil Muschamp, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Gun turret for aircraft. 2,448,704, Sept. 7.
- D'Assis-Fonseca, Harold M. M.: *See*—Bowsher, Edward A. H., D'Assis-Fonseca, and Ward.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorber. 2,441,620, May 18.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,452,108, Oct. 26.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,452,637, Nov. 2.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway draft riggings. 2,436,917, Mar. 2.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,439,843, Apr. 20.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means. 2,439,925, Apr. 20.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanisms for railway draft riggings. 2,440,714, May 4.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway car buffers. 2,441,187, May 11.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanisms for railway draft riggings. 2,442,799, June 8.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft gear friction shock absorbing mechanism. 2,446,215, Aug. 3.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,446,639, Aug. 10.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Car-end buffer. 2,448,138, Aug. 31.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,448,139, Aug. 31.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,451,537, Oct. 19.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for rotary actuating bars of door fasteners. 2,452,109, Oct. 26.
- Daub, Rudolph, West Caldwell, N. J. Internal-combustion engine. 2,451,322, Oct. 12.
- Daudt, William H.: *See*—Hyde, James F., and Daudt.
- Daudt, William H., assignor to Corning Glass Works, Corning, N. Y. Heat transfer media. 2,444,553, July 6.
- Daudt, William H., assignor to Corning Glass Works, Corning, N. Y. Organo-disiloxane and methods of preparing it. 2,451,664, Oct. 19.
- Daugherty, Charles C., assignor to The Chatham Chemical Company, Siler City, N. C. Making manganous sulfate. 2,450,870, Oct. 12.
- Daugherty, George W., Orlando, Fla. Hitch. 2,436,556, Feb. 24.
- Daugherty, Lawrence: *See*—Marlowe, Mark K., and Daugherty.

- Daul, George C.: *See*—
Reid, John D., and Daul.
- Daulton, Benjamin H., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Manufacturing auger bits. 2,453,000, Nov. 2.
- Daum, Edwin W., assignor to James Clark Jr., Electric Company, Louisville, Ky. Combination positive clutch and torque responsive friction coupling. 2,446,363, Aug. 3.
- D'Avaucourt, Pierre D., Bainbridge, Pa. Lens chuck. 2,441,472, May 11.
- D'Avaucourt, Pierre D., Bainbridge, Pa. Wire saw strand. 2,451,383, Oct. 12.
- Daven Company, assignee: *See*—
Doucette, Edmund.
- Daven Company, The, assignee: *See*—
Doucette, Edmund.
Naef, Alfred H.
Smith, John P., Jr.
- Davenport, Belle F.: *See*—
Neuhoff, Ermaline G., and Davenport.
- Davenport, Charles T., assignor to Arma Corporation, Brooklyn, N. Y. Gyroscope stabilizing mechanism. 2,439,418, Apr. 13.
- Davenport, Granger, Montclair, assignor to Gould & Eberhardt, Incorporated, Irvington, N. J. Gear changing mechanism for shaping machines. 2,447,317, Aug. 17.
- Davenport, James A., assignor to The Kroger Grocery & Baking Company, Cincinnati, Ohio. Portable checking counter. 2,456,817, Dec. 21.
- Davey, Edward P., and E. B. Knott, Middlesex, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion containing benzal pyruvic acid derivatives. 2,443,157, June 8.
- Davey, Paul H., Kent, Ohio. Six-cylinder crank throw arrangement. 2,435,874, Feb. 10.
- Davey, Paul H., Kent, Ohio. Compressor. 2,449,930, Sept. 21.
- Davidson, Charles D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Geared motor linearly actuated. 2,438,545, Mar. 30.
- Davidson, David, New York, N. Y., and S. J. Kahn, Rutherford, assignors to The Trubek Laboratories, Incorporated, East Rutherford, N. J. Method for the preparation of methallylbenzene and related compounds. 2,454,779, Nov. 30.
- Davidson, Glenn, Aurora, Ill. Adhesives from vegetable proteinous material. Re. 23,052, Nov. 30.
- Davidson, Harry S., and L. J. Gagliano, assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y. Manufacture of lead halides. 2,447,742, Aug. 24.
- Davidson, Harvey R., Tulsa, Okla., assignor to Bethlehem Steel Company. Exhaust spark arrester. 2,448,420, Aug. 31.
- Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for handling viscose solutions. 2,439,619, Apr. 13.
- Davidson, Isaac F., Portland, Oreg. Transmission. 2,439,079, Apr. 6.
- Davidson, James, assignor to Toronto Carpet Manufacturing Co. Limited, Toronto, Ontario, Canada. Automatic knockoff device for ring twisting and spinning machines. 2,452,910, Nov. 2.
- Davidson, John, Jr., Montclair, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. Re. 22,958, Jan. 6.
- Davidson, John H., U. S. Navy, South Haven, assignor to The Dow Chemical Company, Midland, Mich. Herbicides. 2,435,204, Feb. 3.
- Davidson, John T., P. H. Williams, L. N. Lehman, J. R. Ganger, J. H. Crawford, and H. F. Sedgebury, assignors to The National Cash Register Company, Dayton, Ohio. Forward and reverse tabulating mechanism for accounting machines. 2,442,402, June 1.
- Davidson, Lloyd H., Connersville, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation. Sterilized toilet seat. 2,440,231, Apr. 20.
- Davidson, Lloyd H., Connersville, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation. Sterilized toilet seat. 2,440,232, Apr. 20.
- Davidson, William W., Trydai, and Breman.
- Davidson, Norman R., Princeton, N. J., assignor to Radio Corporation of America. Electron diffraction camera. 2,435,386, Feb. 3.
- Davidson, Norman R., Princeton, N. J., assignor to Radio Corporation of America. Electron diffraction system and method. 2,453,412, Nov. 9.
- Davidson, William D., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Brake drum assembly. 2,457,352, Dec. 28.
- Davidson, William L.: *See*—
Davies, John M., Shipman, and Davidson.
- Davidson, William W., Evanston, and N. Trydai and F. J. Breman, Chicago, Ill., assignors to Davidson Manufacturing Corporation. Gripper mechanism for printing presses. 2,436,765, Feb. 24.
- Davie, Owen H., assignor to A. C. Cossor Limited, London, England. Frequency modulation system. 2,445,662, July 20.
- Davie, Robert, Freeport, N. Y. Weathering testing device. 2,442,759, June 8.
- Davies, Charles, New Rochelle, N. Y. Tubal insufflator. 2,441,237, May 11.
- Davies, Charles, New Rochelle, N. Y. Ventilator. 2,456,391, Dec. 14.
- Davies, Drury N., assignor to Cellomold Limited, Feltham, England. Extrusion machine. 2,435,426, Feb. 3.
- Davies, John M., J. J. Shipman, and W. L. Davidson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Self-sealing fuel tank construction. 2,446,815, Aug. 10.
- Davies, Ray L.: *See*—
Barley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
- Davis, Alan C., East Haddam, Conn. Device for preventing overtravel of operating mechanisms. 2,454,636, Nov. 23.
- Davis, Albert G., Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y. Combined dispensing and blade holding box. 2,451,382, Oct. 12.
- Davis, Archibald H., Washington, D. C. Composite strand and fabric. 2,448,782, Sept. 7.
- Davis, Archibald H., Jr., Cleveland, Ohio, assignor to American Machine and Metals, Inc., Moline, Ill. Discharge valve. 2,443,816, June 22.
- Davis, Archibald H., Jr., University Heights, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Liquid measuring device. 2,451,154, Oct. 12.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Aqueous rubber dispersions. 2,445,740, July 20.
- Davis, Arthur C., Burbank, Calif. Polarized relay. 2,437,726, Mar. 16.
- Davis, Arthur E., Queens Village, assignor to Royal Typewriter Company, Inc., New York, N. Y. Ribbon guide for typewriters or like machines. 2,442,233, May 25.
- Davis, Charles, Los Angeles, Calif. Clogged drain flushing device. 2,436,634, Feb. 24.
- Davis, Charles P.: *See*—
Schideler, Pierre, and Davis.
- Davis, Clyde W., Antioch, P. H. Dirstine, Berkeley, and W. E. Brown, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making perchloroethylene. 2,442,323, May 25.
- Davis, Cortland W., Summitville, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Mounting for inverted incandescent mantles. 2,452,438, Oct. 26.
- Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Spot milling tubular blank for propeller blades. 2,437,317, Mar. 9.
- Davis, Dwillard J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Apparatus for measuring wall thickness of propeller blades. 2,453,306, Nov. 9.
- Davis, Edward A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Power transmission belt. 2,444,007, June 22.
- Davis, Edward R., and H. W. Doughty, Jr., assignors to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,436,557, Feb. 24.
- Davis, Elmer M., St. Paul, Minn., assignor to Swift & Company, Chicago, Ill. Poultry shackle. 2,448,421, Aug. 31.
- Davis, Elmer W., Newton Center, Mass. Writing implement. 2,446,044, July 27.
- Davis Engineering Corporation, assignee: *See*—
Davis, Howard C., and Thompson.
- Davis, Evan W., Spokane, Wash. Bolt holding tool. 2,454,309, Nov. 23.
- Davis, Francis H., O. C. Emerson, and P. A. Newman, assignors to Ross Gear & Tool Company, Lafayette, Ind. Reverse brake. 2,447,167, Aug. 17.
- Davis, Francis W., Belmont, Mass. Knife sharpener. 2,446,909, Aug. 10.
- Davis, Frank L., College Point, N. Y. Cargo tie-down. 2,442,266, May 25.
- Davis, Frank L., College Point, N. Y. Cargo blanket. 2,455,237, Nov. 30.
- Davis, Frank L., Jr., Kenilworth, N. J. Drawing apparatus (perspectograph). 2,442,117, May 25.
- Davis & Furber Machine Company, assignee: *See*—
Koolstra, John A.
- Davis, Garland H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for producing artificial fog. 2,451,019, Oct. 12.
- Davis, Garland H. B., Hillside, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions and methods of making same. 2,435,205, Feb. 3.
- Davis, Garland H. B., Hillside, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Nonfoaming compositions. 2,435,206, Feb. 3.
- Davis, George B., Jr., Green Acres, Md. Incandescent lamp. 2,442,845, June 8.
- Davis, George B., Jr., Green Acres, Md., assignor to the United States of America as represented by the Secretary of War. Subcaliber gun mount. 2,454,276, Nov. 23.
- Davis, George B., Jr., Washington, D. C., and I. F. Rosenkrantz, Greenbelt, Md. Firing mechanism. 2,444,920, July 13.
- Davis, George F., assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Adjustable sight for firearms. 2,438,601, Mar. 30.
- Davis, Gerhold O.: *See*—
Hansen, Edward, and Davis.

- Davis, Harold G., Denver, Colo. Dishwashing machine. 2,446,693, Aug. 10.
- Davis, Harold J., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Tab control mechanism. 2,435,922, Feb. 10.
- Davis, Harold S., Riverside, and E. L. Carpenter, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,452,554, Nov. 2.
- Davis, Harold S., Riverside, Conn., and H. A. Newey, Richmond, Calif., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,454,308, Nov. 23.
- Davis, Harry O., Portland, Oreg. Adjustable base for holding Christmas trees and the like. 2,441,473, May 11.
- Davis, Helen C., London, England. Supporting stand for flatirons. 2,452,439, Oct. 26.
- Davis, Henry S., West Haven, Conn. Automatic signaling mechanism for automobiles and other vehicles. 2,446,870, Aug. 10.
- Davis, Henry S., West Haven, Conn. Signaling system for automobiles and other vehicles. 2,446,871, Aug. 10.
- Davis, Herbert L., Highland Park, N. J., and L. R. B. Hervey, West Concord, Mass., assignors to Johnson & Johnson. Wash resistant filter media. 2,437,082, Mar. 2.
- Davis, Howard C., Elizabeth, and W. H. Thompson, Chatham, assignors to Davis Engineering Corporation, Elizabeth, N. J. Water still with deaerator. 2,445,907, July 27.
- Davis, Hyman R., Jackson Heights, assignor to The Lumsum Company, New York, N. Y. Hydrocarbon extraction apparatus. 2,451,433, Oct. 12.
- Davis, J. F., assignee, et al.: *See*—Edmondson, Joseph D.
- Davis, James A., Scarsdale, assignor to The Texas Company, New York, N. Y. Utilizing gas mixtures in the alkylation of aromatic hydrocarbons. 2,439,080, Apr. 6.
- Davis, John L.: *See*—Sellers, Jesse E., and Davis.
- Davis, John V., and J. S. Hoffman, assignors to The Udylite Corporation, Detroit, Mich. Filter. 2,457,449, Dec. 28.
- Davis, Joseph, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Utensil. 2,438,546, Mar. 30.
- Davis, Joseph, Plastics Co., assignee: *See*—Davis, Joseph.
- Davis, Latta O., Greenfield, Ind. Screened storm sash. 2,446,743, Aug. 10.
- Davis, Lawrence C., Miami, Fla. Amusement device. 2,445,387, July 20.
- Davis, Lee Y., Atlanta, Ga. Horse collar. 2,450,719, Oct. 5.
- Davis, Leo, New York, N. Y. Alphabet jigsaw game. 2,445,421, July 20.
- Davis, Leonard J.: *See*—Kinman, Thomas H., and Davis.
- Davis, Lewis, and E. C. Tuukkanen, Worcester, assignors to McLaurin-Jones Co., Brookfield, Mass. Sealing and reinforcing cartons with tape and the tape as an article of manufacture. 2,440,193, Apr. 20.
- Davis, Marian Van Trine, assignee, et al.: *See*—Van Trine, Ralph.
- Davis, Marion V. T., assignee: *See*—Van Trine, Ralph.
- Davis, Neville R., Bisham, assignor to Sun-Vic Controls Limited, London, England. Electronic relay arrangement. 2,448,422, Aug. 31.
- Davis, Norman R.: *See*—Geist, Sidney R., Sr., and Davis.
- Davis, Orrie E., Ballston Spa, N. Y. Easel bracket. 2,451,020, Oct. 12.
- Davis, Orris L.: *See*—Nixon, Alan C., and Davis.
- Davis, Orris L., Oakland, and A. C. Nixon, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,434,839, Jan. 20.
- Davis, P. H., Jr., assignee: *See*—Horton, David L., Jr.
- Davis, P. Malcolm, et al.: *See*—Van Derhoef, Henry E., and Davis.
- Davis, Ralph B., Okmulgee, Okla. Article holder. 2,445,606, July 20.
- Davis, Ralph B., Prestonsburg, Ky. Aircraft propulsion mechanism. 2,438,151, Mar. 23.
- Davis, Raymond R., assignor to Paragon Revolute Corporation, Rochester, N. Y. Quartz lamp assembly. 2,457,353, Dec. 28.
- Davis, Robert F., Falls Church, Va., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well perforator. 2,446,640, Aug. 10.
- Davis, Robert F., Hibbing, Minn. Vertical axis cone and shell mill. 2,455,565, Dec. 7.
- Davis, Robert H.: *See*—Hallier, Albert H., Harris, Kincaid, Denson, and Davis.
- Davis, Robert J., Lutherville, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Amplifier and oscillator circuit. 2,439,844, Apr. 20.
- Davis, Russell E., St. Louis, Mo., assignor to Hussmann Refrigerator Co. Automatic temperature control for refrigerated open-top display cases. 2,444,593, July 6.
- Davis, Russell E., and T. E. Weber, St. Louis, Mo., assignors, to Hussmann Refrigerator Co. Lock-joint panel construction. 2,446,323, Aug. 3.
- Davis, Sydney B., assignor of twenty-five per cent to L. R. Klemmeyer, Nerstrand, Minn. Flag holder and displayer. 2,452,842, Nov. 2.
- Davis, Thomas J., San Francisco, Calif. Centering device. 2,451,720, Oct. 19.
- Davis, Valter V., Tuscaloosa, Ala. Scanning camera. 2,448,084, Aug. 31.
- Davis, Walter M., Jamaica Plain, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making pellets. 2,436,766, Feb. 24.
- Davis, Walter M., Jamaica Plain, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Recovering phthalic anhydride. 2,448,868, Sept. 7.
- Davis, Wilfred O., London, England, assignor to S. Smith & Sons (England) Limited. Transmission for measuring instruments. 2,442,722, June 1.
- Davis, William L., Jr.: *See*—Quady, John C., and Davis.
- Davis, William S., Jr., Pittsburgh, Pa., and D. L. Wright, Westfield, N. J., assignors to Standard Oil Development Company. Corrosion preventive. 2,453,833, Nov. 16.
- Davison Chemical Corporation, The, assignee: *See*—Hartlove, Leslie T.
- Davison, Paul D., and Replogle, Litty, Frederick L., Jr. Reynolds, Howard H. Sheld, Mark. Tongue, Thomas O. Weir, Horace M.
- Davison, Edward D., Waukegan, Ill. Switch box holder. 2,448,359, Aug. 31.
- Davissan, Harold T.: *See*—Baker, Vincent T., Davissan, and Parker.
- Dawes, Chester L.: *See*—Boughton, Willis A., Dawes, and Mansfield.
- Dawes, Robert T. and F. T., Hudson, Mass. Elastic parachute shroud and making it. 2,452,228, Oct. 26.
- Dawes, Travis J.: *See*—Graves, Arnold, and Dawes.
- Dawley, Clarence E.: *See*—Arnott, Edward G. F., and Dawley.
- Dawley, Edward G. F., Slack, and Dawley. Arnott, Edward G. F., Slack, and Dawley. Slack, Charles M., and Dawley.
- Dawley, Francis H., Silver Creek, N. Y. Vineyard cultivator. 2,441,198, May 25.
- Dawsey, Lynn H., and R. R. Umhoefer, Kenmore, and C. R. Muehlhauser, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Manufacture of hydrogen peroxide. 2,455,238, Nov. 30.
- Dawson, Albert J., Sewickley, assignor to Dravo Corporation, Pittsburgh, Pa. Insulated wall construction for hulls, deck houses, and the like. 2,437,509, Mar. 9.
- Dawson, Charles A., South Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Portable riveting machine. 2,454,596, Nov. 23.
- Dawson, Charles R.: *See*—Kell, Harr, Dawson, and Wasserman.
- Dawson, Edward, New York, F. M. Watkins, Forest Hills, and C. N. Schuh, Jr., Bellerose, N. Y., assignors to The Sperry Corporation. Hydraulic remote operating system. 2,445,765, July 27.
- Dawson, Edward, New York, and J. R. Ericson, Westbury, N. Y., assignors to The Sperry Corporation. Pressure measuring apparatus. 2,450,884, Oct. 12.
- Dawson, Fred, West Roxbury, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe pressing apparatus. 2,445,565, July 20.
- Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,440,247, Apr. 27.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Gyro-controlled stabilizing system. 2,433,837, Jan. 6.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Spot-welding mechanism. 2,435,577, Feb. 10.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Method and apparatus for charging an electrical condenser. 2,436,794, Mar. 2.
- Dawson, John W., West Newton, and H. Klemperer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Ignition circuits for vapor discharge devices. 2,444,921, July 13.
- Dawson, Oliver H., and H. G. Cornell, Baytown, Tex., assignors to Standard Oil Development Company. Extraction of methyl chloride from hydrocarbons. 2,443,229, June 15.
- Dawson, Philip J., Beckenham, Kent, assignor to The Minister of Aircraft Production, London, England. Fuse for projectiles. 2,446,268, Aug. 3.
- Dawson, Wilfrid L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locating apparatus. 2,440,248, Apr. 27.
- Day, Bernard C., and M. H. Arms, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Bevel gear holding fixture. 2,443,895, June 22.
- Day, Charles B., Colorado Springs, Colo. Sprinkling hose support. 2,439,684, Apr. 13.
- Day, Dewey D., assignor to The Murray Company, Dallas, Tex. Combination drier and cleaner. 2,446,130, July 27.

- Day, Harold M., Cos Cob, and D. W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Isopropylidene-*p*-phenoxy-2-ethanol-*p*-phenoxyacetic acid. 2,444,594, July 6.
- Day, Herbert O., Bowling Green, Ohio. Hydraulic actuating mechanism for dump trucks. 2,449,202, Sept. 14.
- Day, Herbert O., Bowling Green, Ohio. Pivoting hydraulic power cylinders for dump trucks. 2,453,975, Nov. 16.
- Day, Irving W., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,450,187, Sept. 28.
- Day, Morgan R.: *See*—
Maeder, Henry G., Jr., and Day.
- Day, William P., Cleveland Heights, assignor to The International Vibration Company, Cleveland, Ohio. Rotor for vibrator units. 2,438,206, Mar. 23.
- Day-Brite Lighting, Inc., assignee: *See*—
Billar, David J.
- Daybrook Hydraulic Corporation, The, assignee: *See*—
Torgersen, Norman E.
- Daymon, Wilson, Hamden, Conn. Holder for disk-type phonograph records. 2,446,641, Aug. 10.
- Dayton Acme Co., assignee: *See*—
Parry, Robert D.
- Dayton, James A., Litchfield, assignor to The Turner & Seymour Mfg. Co., Torrington, Conn. Tufting button. 2,446,816, Aug. 10.
- Dayton Rubber Company, The, assignee: *See*—
Bacon, Henry M.
Bacon, Henry R.
Lofton, Edgar K.
Rockoff, Joseph.
- Dayton Steel Foundry Company, The, assignee: *See*—
Miller, Elmer L.
- Dazley, Frederick C., Stratford, and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Starting switch. 2,447,318, Aug. 17.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone exchange system. Re. 23,054, Dec. 7.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electrical impulse sending device. 2,434,910, Jan. 27.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone system employing key type call transmitter. 2,438,496, Mar. 30.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Key controlled numerical digit register equipped with discharge tube means. 2,440,249, Apr. 27.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone register control system. 2,447,494, Aug. 24.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay structure. 2,449,981, Sept. 28.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,454,780, Nov. 30.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Matched potential control system. 2,454,781, Nov. 30.
- Deakins, Grover C., Orange, assignor of one-half to L. A. Baker, Anaheim, Calif. Apparatus for forming irrigation mounds. 2,455,566, Dec. 7.
- Deal, Alvin E., Morrisonville, Ill. Combined tractor and truck body. 2,442,889, June 8.
- Deal, Mildred T., Cleveland, Ohio. Reweaving machine. 2,449,691, Sept. 21.
- Dean, Beatrice M., Los Angeles, Calif. Strainer. 2,451,074, Oct. 12.
- Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Deicing system for propeller blades. 2,449,457, Sept. 14.
- Dean, John N., Westerham, E. W. Smith, Beecheroff, Chislehurst, and R. Sear, London, assignors to Telegraph Construction & Maintenance Company, Limited, Greenwich, London, England. High-frequency electric conductors and cables. 2,447,168, Aug. 17.
- Dean, Reginald S., Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill. Treatment of titanium. 2,453,896, Nov. 16.
- Dean, Robert A., Minneapolis, Minn. Dental mirror. 2,434,311, Jan. 13.
- Dean, Russell T., Stamford, Conn., and V. L. King and N. A. Laury, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of nicotinic acid from dilute solutions. 2,447,234, Aug. 17.
- Dean, Russell T., Stamford, and E. O. Hook, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of thiohydric acids. 2,450,634, Oct. 5.
- Dean, Troy O., Houston, Tex. Door hook. 2,454,690, Nov. 23.
- Dean, Walter N., et al.: *See*—
Isbister, Eric J., and Dean.
- Dean, Walter N., Larchmont, N. Y., assignor to The Sperry Corporation. Pulse generator. 2,435,958, Feb. 17.
- Dean, William H., Darlington, England. Percussive tool. 2,438,777, Mar. 30.
- Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Apparatus for determining the weight and center of gravity of vehicles. 2,443,098, June 8.
- Deane, Earl C., North Kansas City, Mo. Pneumatic timing switch for electric circuits. 2,450,329, Sept. 28.
- Deane, Henry N., assignor to Simplex Time Recorder Co., Gardner, Mass. Clock control mechanism. 2,447,798, Aug. 24.
- Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Oxidizing alcohols. 2,456,683, Dec. 21.
- Deans, Frederick E., and C. H. Wainwright, assignors to The Bentley Engineering Company Limited, Leicester, England. Knitting machine of the opposed needle bed type. 2,441,755, May 18.
- De Anthony, Robert P., Dayton, Ohio. Automatically locking relay. 2,441,137, May 11.
- Dearborn Chemical Company, assignee: *See*—
Denman, Wayne L.
Gunderson, Lewis O.
May, Henry E.
- Dearborn, Henry C., Norman, Okla. Air-conditioning unit. 2,446,411, Aug. 3.
- Deardorff, Clarence E., Sacramento, Calif., assignor to C. E. Deardorff, Inc. Cream separator. 2,434,642, Jan. 20.
- Deardorff, Clarence E., Sacramento, Calif., assignor to C. E. Deardorff, Inc. Fiberboard cream separating milk container. 2,436,140, Feb. 17.
- Deardorff, C. I., Inc., assignee: *See*—
Deardorff, Clarence E.
- Dearing, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Impedance matching device. 2,456,770, Dec. 21.
- Dearing, Le Roy M., and I. B. Current, U. S. Navy. Apparatus for processing film. 2,455,357, Dec. 7.
- De Armond Harry, assignor to Rowe Industries, Toledo, Ohio. Guitar magnetic microphone. 2,455,046, Nov. 30.
- De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Microphone pickup and volume control. 2,455,567, Dec. 7.
- Dearsley, Irwin E., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Pumping mechanism. 2,439,796, Apr. 20.
- Deatherage, Fred E., Cincinnati, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio. Rendering lard. 2,456,684, Dec. 21.
- De Atley, Wilbur W.: *See*—
Harris, Charles R., and De Atley.
- Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetal resin. 2,453,569, Nov. 9.
- Debacher, Max O., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl acetal resin. 2,453,570, Nov. 9.
- De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Can filling machine. 2,444,155, June 29.
- De Barbieri, Joseph L., and E. Kishner, Brooklyn, N. Y. Control device. 2,453,571, Nov. 9.
- De Baufre, William L., Lincoln, Nebr. Liquid oxygen pump. 2,447,741, Aug. 24.
- Debelius, James G.: *See*—
Grzech, Albert S., and Debelius.
- De Benedictis, Aldo: *See*—
Luten, Daniel B., Jr., and De Benedictis.
- De Benedictis, Aldo, and D. B. Luten, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalysts for use in production of chlorine. 2,448,255, Aug. 31.
- De Benneville, Peter L.: *See*—
Tryon, Sager, and de Benneville.
- Debing, Lawrence M., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mo ding composition of polyvinyl aromatic compound. 2,454,250, Nov. 16.
- De Bishop, Arthur, Jr., Southington, assignor to The Doane Products Corporation, Meriden, Conn. Luminaire. 2,436,635, Feb. 24.
- De Boer, Jan H., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn. Flashlight lamp. 2,438,993, Apr. 6.
- De Boer, Kornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for mechanically recording sound in two tracks. 2,440,841, May 4.
- De Boer, Willis, Williamsville, G. A. Betts, Eggertsville, and E. C. Polidor, Rochester, assignors, by mesne assignments, to Precision Methods Co., Inc., Buffalo, N. Y. Optical projection contour comparison device. 2,451,155, Oct. 12.
- De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,448,323, Aug. 31.
- De Boisblanc, Deslonde R., and H. M. Barton, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Radiation thermopile and making the same. 2,445,874, July 27.
- Debonair, Inc., assignee: *See*—
Renz, Emil K.
- De Bray, Glenn L., and A. Morgan, Los Angeles, Calif. Pessary and manipulating handle assembly. 2,452,229, Oct. 26.
- Dec, Joseph: *See*—
Strain, William H., and Dec.
- De Carli, John J., Stockton, Calif. Milk receiver for automatic milking systems. 2,451,075, Oct. 12.

- De Carlo, Ceasar P., Sr., Ceiba, P. R. Louver means for controlling air flow in refrigerators. 2,453,703, Nov. 16.
- Decca Record Company, Limited, The, assignee: See—
O'Brien, William J.
- De Cesaris, Frederick, Johnston, assignor to James Manufacturing Company, Inc., Providence, R. I. Dispenser. 2,438,602, Mar. 30.
- Deck, Philibert, Zurich, Switzerland. Combined clip and pin chain link for fabric stretching machines. 2,446,131, July 27.
- Decker, Alfred, & Cohn, Inc., assignee: See—
Markin, Louis.
- Decker, Erik: See—
Wood, Frederic E., Gienger, Decker, and Sargisson.
- Decker, Gerard Q., 3rd, Bradford Hills, and E. C. Capuzzi, Philadelphia, Pa., assignors to The Baldwin Locomotive Works. Apparatus for measuring a condition on a rotating member. 2,447,566, Aug. 24.
- De Cordova, Lester, assignee, et al.: See—
Carlin, Bernard.
- De Coursey, William E., West Los Angeles, Calif. Non-arcing switch contact. 2,443,230, June 15.
- De Cuir, Talford S., Whiting, Ind., assignor to The Lummus Company, New York, N. Y. Derrick. 2,443,306, June 15.
- De Cuir, Talford S., Whiting, Ind., assignor to The Lummus Company, New York, N. Y. Lifting sling guide for elongated articles. 2,443,307, June 15.
- De Curtis, Frank, Queens Village, N. Y. Positive and lock lateral shoe stretching mechanism. 2,452,440, Oct. 26.
- Dedek, Frank, assignor to Magnetic Products Corporation, Detroit, Mich. Electromagnetic testing device. 2,440,575, Apr. 27.
- Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Electric motor follow-up type of control. 2,445,515, July 20.
- Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Remote control for displaceable objects. 2,455,568, Dec. 7.
- Dee, Herbert C., Kenilworth, Ill., assignor to Woodall Industries, Inc., Detroit, Mich. Tray structure. 2,456,929, Dec. 21.
- Deegan, John G., New York, N. Y. Rolling hatch beam track. 2,435,190, Feb. 3.
- Deegan, John G., Bronxville, N. Y. Rolling hatch beam assembly. 2,438,846, Mar. 30.
- Deegan, Lola M., Melbourne, Victoria, Australia. Combination corset and stocking retainer. 2,453,834, Nov. 16.
- Deepwater Chemical Co., Ltd., assignee: See—
Lawrason, Levering.
- Deer, John H., assignor to Daniel Szantay, Chicago, Ill. Spinner for steering wheels and the like. 2,441,061, May 4.
- Deere & Company, assignee: See—
Brown, Theophilus.
Court, Frank T.
Johnson, Eric J.
Neighbour, Leonard B., and Thomann.
Oehler, William P.
Paul, Talbert W.
Silver, Walter H.
Strandlund, Carl G.
Walz, Claude W., Rasmussen, and Griff.
White, Charles H.
- Deere Manufacturing Co., assignee: See—
Jones, Frank D., and Cheatum.
Jones, Frank D., and Tuft.
McCormick, Elmer.
Petersen, Harry E.
West, James R., and Jones
- Deetman, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Connecting a driven member to a shaft. 2,444,922, July 13.
- Defandorf, John L., Whitefish Bay, and V. S. Sywulka, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller affording automatic stopping of motor-driven machinery. 2,440,849, May 4.
- Defenbaugh, Loyd F., Oklahoma City, Okla. Severing well casings and the like in place in the well. 2,436,036, Feb. 17.
- De Fligué, Vladimir, Paris, France. Reciprocating converter. 2,448,298, Aug. 31.
- De Flon, James G., Los Angeles, and G. W. Meyer, North Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Mechanical draft water-cooling tower. 2,445,908, July 27.
- De Forest, Alfred V., Marlboro, N. H., assignor to The Baldwin Locomotive Works. Fatigue indicator. 2,449,883, Sept. 21.
- De Forest, Lee, Los Angeles, Calif. Color television system. 2,452,293, Oct. 26.
- De Forest, Taber, assignor to Magnaflex Corporation Chicago, Ill. Magnetic inspection apparatus. 2,436,918, Mar. 2.
- De Fourchambault, Maurice D., assignor to Schneider & Cie, Paris, France. Friction clutch with multiple disks. 2,447,319, Aug. 17.
- De Francisel, Joseph, Brooklyn, N. Y. Allimentary paste extrusion apparatus. 2,437,460, Mar. 9.
- De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Valve structure. 2,453,413, Nov. 9.
- De Ganahl, Carl, Trenton, N. J., assignor to Kaiser Fleetwings, Inc. Heat exchanger and reaction thrust apparatus. 2,454,310, Nov. 23.
- Degering, Edward F., Lafayette, Ind., and C. F. Feasley, Thorofare, N. J., assignors to Purdue Research Foundation, Lafayette, Ind. Preparing nitro azo compounds. 2,441,800, May 18.
- De Ghetto, Anselm, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Braked rotative assembly. 2,445,607, July 20.
- De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Fastening device for cover plates. 2,450,330, Sept. 28.
- De Giers, Clarence A., Forest Hills, and L. M. Campani, Freeport, assignors to The Liquidometer Corporation, Long Island City, N. Y. Electrical vernier type telemetric indicating system. 2,448,783, Sept. 7.
- De Giers, Clarence A., Forest Hills, and S. B. Osterlund, St. Albans, assignors to The Liquidometer Corporation, Long Island City, N. Y. Pointer return device. 2,450,331, Sept. 28.
- Degnan, James M., trustee: See—
Hofer, Frank W.
- De Graaf, Bastiaan, Yonkers, N. Y. Push and pull load gauge. 2,450,188, Sept. 28.
- De Grazia, Joseph, Washington, D. C. Field jacket hood. 2,439,382, Apr. 13.
- De Grazia, Joseph, Washington, D. C. Protective hood. 2,448,021, Aug. 31.
- De Grazia, Joseph, Washington, D. C., and R. R. Oberender, Freeand, Pa. Expandable hood. 2,446,530, Aug. 10.
- De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Polycarboxy esters of dimerized 9,11-linolo-diricinolein and method of making same. 2,450,332, Sept. 28.
- De Groote, Melvin, University City, and A. F. Wirtel, Glendale, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,442,073, May 25.
- De Groote, Melvin, University City, and A. F. Wirtel, Glendale, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,442,074, May 25.
- De Groote, Melvin, University City, and A. F. Wirtel, Glendale, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,442,075, May 25.
- De Groote, Melvin, University City, and A. F. Wirtel, Glendale, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,442,076, May 25.
- De Groote, Melvin, University City, and A. F. Wirtel, Glendale, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,442,077, May 25.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter and making same. 2,446,045, July 27.
- De Groote, Melvin, University City, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Polyhydric alcohol esters. 2,450,124, Sept. 28.
- De Groote, Melvin, University City, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Polyhydric alcohol esters. 2,450,333, Sept. 28.
- De Groote, Melvin, University City, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Process for breaking petroleum emulsions. 2,454,435, Nov. 23.
- DeHaas, Earnest E., Wichita, Kans. Mailbox bracket. 2,440,576, Apr. 27.
- De Havilland Aircraft Company Limited, The, assignee: See—
Halford, Frank B.
- Dehmel, Richard C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft training apparatus. 2,443,604, June 22.
- Dehmel, Richard C., Summit, N. J. Automatic magnetic apparatus for simulating radio range signals. 2,451,927, Oct. 19.
- Dehuff, Walter F., Glen Rock, Pa., assignor to American Machine & Foundry Company. Vertical mixer. 2,457,533, Dec. 28.
- Dehydration, Inc., assignee: See—
Birdseye, Clarence.
- Deibel, Cyril P., deceased, by M. T. Deibel, Lakewood, and The Cleveland Trust Company, Cleveland, Ohio, co-executors, assignors to General Dry Batteries, Inc. Sealed dry cell with threaded end. 2,444,872, July 6.
- Deibel, Cyril P., deceased, Lakewood, C. N. Mertes, Berea, and L. A. Gray, Lakewood, Ohio; said Mertes and said Gray assignors to said Deibel; M. T. Deibel and The Cleveland Trust Company, executors, assignors to General Dry Batteries, Inc. Dry cell battery of the flat type. 2,436,382, Feb. 24.
- Deibel, Marion T., executor, assignee: See—
Deibel, Cyril P., Mertes, and Gray.
- Deibel, Marion T., executor, et al.: See—
Deibel, Cyril P.
- Deichmann, Walter: See—
Gilbert, Herman W., and Deichmann.

- Deimel, Albert H.: *See*—
Peterson, Carl D., and Deimel.
- Deiters, August M., assignor to Southern Wood Preserving Company, Atlanta, Ga. Grapple. 2,457,135, Dec. 28.
- Deitrich, Epily C., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for scarfing billets or blooms. 2,441,474, May 11.
- Deitz, Le Roy, and I. W. Johnson, Schenectady, N. Y., assignors to General Electric Company. Resistance welding electrode. 2,436,205, Feb. 17.
- DeJuhasz, Kalman J., State College, Pa., and F. J. Villforth, Jr., Beacon, assignors to The Texas Company, New York, N. Y. Fuel pump. 2,440,194, Apr. 20.
- De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.
- De Lacotte, Robert H., and E. Colombu, Paris, France, assignors to Comptoir Des Textiles Artificiels. Spinning bath tank. 2,450,750, Oct. 5.
- Delafontaine, Charles, Arlington, and F. W. Kotler, Watertown, Mass. Grinding and polishing machine. 2,454,597, Nov. 23.
- De la Fuente Tejedo, Juan, Madrid, Spain. Electric machine for typing in the Braille and Abreu systems. 2,451,637, Nov. 23.
- De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Thermostatic device. 2,439,455, Apr. 13.
- De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Heating system. 2,447,901, Aug. 24.
- De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Fuel control for hot-air heaters. 2,447,902, Aug. 24.
- De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid fuel burner. 2,455,115, Nov. 30.
- De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fan housing construction for oil burners. 2,446,744, Aug. 10.
- De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Variable capacity vane pump for oil burners. 2,451,279, Oct. 12.
- De Lancey, Warren H., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Variable capacity pump. 2,451,666, Oct. 19.
- De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fan housing construction. 2,456,930, Dec. 21.
- Delaney, Harry W., Chicago, Ill., assignor, by mesne assignments, to Republic Drill & Tool Company. Manufacturing twist drills. 2,457,132, Dec. 28.
- Delaney, John J.: *See*—
Kamm, Edmund W. E., and Delaney.
- De Laney, Wallace W., and C. J. Crowley, assignors to The Seamless Rubber Company, New Haven, Conn. Making rubber gloves and like articles. 2,434,035, Jan. 6.
- De Lange, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Insulated casing. 2,443,605, June 22.
- De Lano, Ralph B., Jr.: *See*—
Firestone, Floyd A., and De Lano.
- Delano, Raymond P., Jr.: *See*—
Kirchhoff, Julius, and Delano.
- De Lano, Willis L., Chelsea, Mass. Pneumatically operated contact printer. 2,445,566, July 20.
- Delany, John J., Brooklyn, assignor to Delany Realty Corporation, New York, N. Y. Regulator stem seal. 2,438,360, Mar. 23.
- Delany, John J., Brooklyn, N. Y., and J. D. Langdon, Long Beach, Calif. Removable valve seat and sleeve. 2,434,262, Jan. 13.
- Delany Realty Corporation, assignee: *See*—
Delany, John J.
- Delaplace, Albert, Roubaix, France, vested in the Attorney General of the United States. Combined electric motor and speed reducer unit. 2,441,111, May 4.
- De la Riestra, Juan C. and M. A., and W. F. Nixon, Rosario, Argentina. Rotary valve for internal-combustion engines. 2,444,696, July 6.
- De la Riestra, Martin A.: *See*—
De la Riestra, Juan C. and M. A., and Nixon.
- De la Roza, Joaquin J., Sr., New York, N. Y. Friction nozzle. 2,452,555, Nov. 2.
- Delattre-Seguy, Jean, Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,444,131, June 29.
- De Laval Separator Company, The, assignee: *See*—
Strezynski, George J.
- De Laval Steam Turbine Company, assignee: *See*—
Harverstick, John S.
- Delaware Rayon Company, assignee: *See*—
Barnes, Joseph H.
- Delay, Fernand, Geneva, Switzerland. Clockwork-operated time fuse. 2,446,745, Aug. 10.
- Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Tube socket for radio and like tubes. 2,451,538, Oct. 19.
- De Leuw, Cather & Co., assignee: *See*—
Morris, William N.
- Del Genio, Nicholas, assignee: *See*—
Hart, James W.
- Delhaye, Roy J., Highland Park, Ill. Combination comb and carrying case. 2,443,099, June 8.
- D'Elia, Joseph A., Fairfield, Conn. Combined flue and check draft damper unit. 2,441,398, May 11.
- De Lin, Martin, Fort Wayne, Ind. Tuyère. 2,444,223, June 29.
- Delinted Seed Company, assignee: *See*—
McLemore, Price C.
- Del Mar, Bruce E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control system. 2,451,280, Oct. 12.
- Delmotte, Cyril J., assignor of one-half to E. J. Herrmann, Detroit, Mich. Warning signal conversion kit for standard flashlights. 2,456,685, Dec. 21.
- Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Operating mechanism for washing machines. 2,443,979, June 22.
- Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Hydraulic pulsator drive mechanism. 2,444,018, June 22.
- De Long, Fred J.: *See*—
De Long, Fred Joe and F. J.
- De Long, Fred Joe and F. J., Jefferson City, Mo. Axle and fifth wheel assembly for farm wagons. 2,452,358, Oct. 26.
- De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Anodizing magnesium alloys. 2,456,931, Dec. 21.
- Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse multiplex system employing fixed pulse-time displacement for signaling. 2,438,902, Apr. 6.
- Deloraine, Edmond M., assignor to International Standard Electric Corporation, New York, N. Y. Fragmentary character printer. 2,457,133, Dec. 28.
- Deloraine, Edmond M., New York, and D. D. Greig, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse communication system employing pulse frequency reduction for signaling. 2,438,903, Apr. 6.
- Deloraine, Edmond M., and E. Labin, New York, N. Y., and P. F. M. Gloess, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Radio location system. 2,440,250, Apr. 27.
- Deloraine, Edmond M., and E. Labin, New York, N. Y., assignors to Federal Telephone and Radio Corporation. Radio guiding method and system. 2,441,956, May 25.
- De Lore, Andrew, New York, N. Y. Heating and cooling system for houses. 2,35,875, Feb. 10.
- De Lorenzo, Bartholomeo, Elyria, Ohio, assignor to Foster Wheeler Corporation, New York, N. Y. Heater. 2,445,316, July 20.
- Deloye, Maurice, assignee: *See*—
Brandenburg, André, and Jolivet.
- Delson, Louis E., Chicago, Ill. Bundling and binding means. Re. 23,029, Aug. 24.
- De Luca, Roberta: *See*—
Roberts, David S., and De Luca.
- De Luce, John J., Minneapolis, Minn. Egg holder. 2,436,469, Feb. 24.
- Deluxe Products Corporation, The, assignee: *See*—
Flint, Charles R.
- Dely, Josef G., Queens Village, N. Y. Regenerating spent ammoniacal cuprous solution. 2,455,473, Dec. 7.
- Delzer, Reinhold, Portland, Ore. Engine driven pump. 2,454,138, Nov. 16.
- De Marco, Joseph A., Brooklyn, N. Y. Button blank feeding attachment. 2,457,534, Dec. 28.
- De Marco, Louis, Cleveland, Ohio. Centrifugal governor. 2,454,913, Nov. 30.
- De Marco, Louis, Cleveland, Ohio. Speed control mechanism. 2,454,914, Nov. 30.
- Demarco, Salvatore J., Jr.: *See*—
Tawney, Chester W., Demarco, and Herrick.
- Demarest, Daniel D., Little Neck, N. Y. Filtering device. 2,446,364, Aug. 3.
- De Martin, Anthony E., Derby, Conn. Radius tool. 2,450,469, Oct. 5.
- Demattels, Julian, Batavia, Iowa. Turbine. 2,449,931, Sept. 21.
- De Mattia, Peter, Clifton, N. J. Apparatus for molding plastics. 2,443,554, June 15.
- De Mattos, Annibal R., Recife, Brazil. Process and apparatus for producing alcohol by fermentation. 2,451,156, Oct. 12.
- Dembenski, Joseph E., Nanticoke, Pa. Sanitary dental floss holder. 2,450,635, Oct. 5.
- De Meo, Attilio, New York, N. Y. Reinforced plastic securing means in a frame for interchangeable hand mirrors. 2,454,041, Nov. 16.
- Demerec, Milislav, Cold Spring Harbor, Long Island, N. Y., assignor to the United States of America, as represented by the Administrator, Civilian Production Administration. Production of penicillin. 2,445,748, July 27.
- De Mian, Stanley B., Chicago, Ill., assignor to International Paper Company, New York, N. Y. Box. 2,450,035, Sept. 28.
- D'Emilio, Oreste, Nutley, N. J. Hair drier. 2,449,205, Sept. 14.
- Deming Company, The, assignee: *See*—
Odey, Ralph E.
Samelson, Bernard.
Shaleinberg, Walter.
- Deming, Mark A., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Self-sealing coupling. 2,436,206, Feb. 17.

- Demorest, Dana J.: *See*—
Nye, Ralph D., and Demorest.
- Demjen, István: *See*—
Földi, Zoltán, Gerecs, Demjén, and König.
- Demmer, Edward U., assignee: *See*—
Elliott, Gordon R.
- De Moss, Albert H., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Program controller. 2,436,714, Feb. 24.
- De Mott, Armand, Fords, assignor to Amity Manufacturing Corp., Perth Amboy, N. J. Cylinder holder. 2,436,292, Feb. 17.
- De Mott, Elmer G., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical control device. 2,444,398, June 29.
- Dempsey, Harold L., Columbus, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Running direct process gummed units. 2,449,770, Sept. 21.
- Dempster, George R., Knoxville, Tenn. Transporting equipment. 2,437,806, Mar. 16.
- Dempster, George R., Knoxville, Tenn. Automatic hook. 2,445,106, July 13.
- Dempster, George R., Knoxville, Tenn. Transporting and dumping equipment. 2,451,721, Oct. 19.
- De Muth, Linus J., Fresno, Calif. Road map holder, including a rotatable roller. 2,454,139, Nov. 16.
- Denburger, Joseph D., Los Angeles, Calif. Door closer. 2,443,896, June 22.
- Denby, Anthony F., Hackensack, N. J. Football training machine. 2,440,577, Apr. 27.
- Dence, Donald S., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Multiple clutch mechanism. 2,447,053, Aug. 17.
- Dench, Edward C.: *See*—
Hardy, Arthur C., and Dench.
- Denhard, Harry W., Sebastopol, F. W. Brittain, Piedmont, and A. G. Serpas, assignors to Oliver United Filters Incorporated, Oakland, Calif. Continuous rotary filter. 2,446,746, Aug. 10.
- Den Hertog, Martinus: *See*—
Kruthof, Jacob, Kozma, and den Hertog.
- Den Hertog, Martinus, and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Register switch utilizing a plurality of discharge tubes. 2,447,495, Aug. 24.
- Denison Engineering Company, The, assignee: *See*—
Renick, Wendell E.
- Denison, William C., Jr., Delaware, Ohio. Hydraulic apparatus. 2,455,330, Nov. 30.
- Denman, Wayne L., Frederick, Md., assignor to Dearborn Chemical Company, Chicago, Ill. Reduction of foaming in an aqueous bath containing foam-inducing constituents. 2,439,797, Apr. 20.
- Denmark, Hyman S., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Metal rectifier element. 2,444,430, July 6.
- Denmark, Robert, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and apparatus for winding grids. 2,438,113, Mar. 23.
- Denmark, Robert, New York, N. Y., and C. H. McWhirter, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead-in construction. 2,439,886, Apr. 20.
- Dennedy, James H., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerator construction. 2,438,114, Mar. 23.
- Denning, Stephen, assignor to E. L. Ruddy Company, Limited, Toronto, Ontario, Canada. Neon lighting equipment. 2,451,539, Oct. 19.
- Dennis, Bradford C., assignee: *See*—
Rancourt, Alphonse.
- Dennis, Gertrude B., Kansas City, Mo. Face powder and puff container. 2,446,080, July 27.
- Dennis, Paul A.: *See*—
Van Dyke, William D., and Dennis.
- Dennis, Raymond B., Camp Blanding, Fla. Material conveying and screening machine. 2,436,795, Mar. 2.
- Dennis, Thomas H., Jr., Tarrytown-on-Hudson, N. Y. Truck warning device. 2,444,635, July 6.
- Dennis, William O., San Dimas, Calif. Grinding apparatus. 2,437,850, Mar. 16.
- Dennison Manufacturing Company, assignee: *See*—
Flood, Edward W. and C. A. McGovern, Henry P. Pecker, J. S.
- Denniston, Adolph L., Plainfield, N. J., and S. H. Martin, Thomaston, Conn., assignors to General Time Instruments Corporation, New York, N. Y. Job time recorder system. 2,452,359, Oct. 26.
- Densmore, Nicholas B., Lawrence, Mich. Apron. 2,453,202, Nov. 9.
- Denson, Edward R.: *See*—
Hallier, Albert H., Harris, Kincaid, Denson, and Davis.
- Denny, Frank E., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Sprouting of buds. 2,450,036, Sept. 28.
- Dental Research Corporation, assignee: *See*—
Erdle, Reiner W.
- Dentists' Supply Company, assignee: *See*—
Lee, Pyungtoo W., and Dietz. Whittemore, Winthrop C.
- Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,441,621, May 18.
- Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Rail fastener. 2,442,800, June 8.
- Denton, Harvey R., Oakland, assignor to Moist-R-Proof Container Co., San Francisco, Calif. Machine for making containers from pulpy fibrous material. 2,447,235, Aug. 17.
- Denton, John J.: *See*—
Parker, Robert P., and Denton.
- Denton, Richard A., Riverton, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Printing ink. 2,436,954, Mar. 2.
- Denton, William I.: *See*—
Krieble, Robert H. and Denton. Marisic, Milton M., Denton, and Bishop. Schlesman, Carleton H., Denton, and Bishop.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,636, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,637, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,638, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of aromatic nitriles. 2,450,639, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,640, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,641, Oct. 5.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,642, Oct. 5.
- D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Electric winding. 2,436,207, Feb. 17.
- D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Instrument current transformer. 2,436,636, Feb. 24.
- Denys, Orban, Brooklyn, assignor to Distillation Products, Inc., Rochester, N. Y. Distillation from a film by diffusion into a gas stream. 2,437,594, Mar. 9.
- Denyssen, Ivanhoe P.: *See*—
Skinker, Murray F., Denyssen, and Kolmes.
- Denyssen, Ivanhoe P., Lansdowne, Pa., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Heating and spraying device. 2,434,911, Jan. 27.
- Denyssen, Howard G.: *See*—
Hess, Arthur L., and Denyssen.
- De Olariaga, Sara M. I., L. Bulgarini, and P. Forster, Buenos Aires, Argentina. Electrical switch. 2,447,320, Aug. 17.
- De Ollensis, Gertrude, St. Louis, Mo. Combination outer-garment. 2,439,128, Apr. 6.
- De Orlow, Stephen, assignor to Hancock Manufacturing Company, Jackson, Mich. Vehicle jack. 2,435,693, Feb. 10.
- De Orlow, Stephen, Jackson, Mich. Cable clamping device. 2,445,474, July 20.
- De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,146, Jan. 6.
- De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,147, Jan. 6.
- De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,148, Jan. 6.
- De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,434,149, Jan. 6.
- Dependable Engineering Service, Inc., assignee: *See*—
Hassig, Edward.
- De Pew, Chester C.: *See*—
Gregory, Alfred T., and De Pew.
- Depp, Marlin C., Hempstead, R. S. Curry, Jr., Baldwin, and C. F. Fragola, East Hempstead, N. Y., assignors to The Sperry Corporation. Flex valve system and operation. 2,447,496, Aug. 24.
- Derby, John H., Scarsdale, assignor to one-third to C. M. Wilson and one-third to H. D. Spencer, New York, N. Y. Means for controlling the flushing of urinals. 2,438,207, Mar. 23.
- Derby, Palmer P., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,446,531, Aug. 10.
- Derby, Palmer P., Boston, and W. M. Robertson, Wakefield, assignors to Raytheon Manufacturing Company, Newton, Mass. Apparatus for assembling parts of electron discharge devices. 2,445,766, July 27.
- Derbyshire Machine & Tool Company, assignee: *See*—
Reinhardt, Albrecht E.
- De Reamer, Frank C., Lake Worth, Fla., and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Incandescent and fluorescent lamp holder. 2,441,399, May 11.
- De Regnaud de Bellescize, Henri J. J. M., Saint-Germain au Mont-d'or, Rhone, France, assignor to E. Gutzwiller & Co., Basel, Switzerland. Secret telegraph signaling. 2,453,659, Nov. 9.

- Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Rotary lock box. 2,452,230, Oct. 26.
- De Rosa, Louis A.: *See—*
Busignies, Henri G., and de Rosa.
- De Rosa, Louis A., West Brighton, Staten Island, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Keyed radio beacon. 2,436,796, Mar. 2.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Timing system. 2,438,904, Apr. 6.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Demodulator for frequency modulated waves. 2,441,957, May 25.
- De Rosa, Louis A., West Brighton, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Communication system. 2,441,958, May 25.
- De Rosa, Louis A., Staten Island, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon. 2,449,982, Sept. 28.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Adjustable expanded sweep for radar oscilloscopes. 2,454,782, Nov. 30.
- Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote control for electric transmission systems. 2,454,140, Nov. 16.
- Derr, Willard A., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Telemetering system. 2,438,000, Mar. 16.
- Derr, Willard A., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,445,422, July 20.
- Derrick, Herbert W., Jr.: *See—*
Terepin, Raymond H., and Derrick.
- Dersch, Fritz, and R. H. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic developers containing tetrazolyl disulfides as antifogging agents. 2,453,087, Nov. 2.
- Derthick, Everest P., Russell, Ohio. Combined perambulator and cradle or the like. 2,440,539, Apr. 27.
- Dery, Aldege L., Pine Meadow, Conn. Work holding fixture. 2,447,236, Aug. 17.
- De Saracho, Enrique S. H., Mexico City, Mexico. Wire core extracting machine. 2,454,010, Nov. 16.
- De Satnick, Irvin, Philadelphia, Pa. Shoulder-pad. 2,439,597, Apr. 13.
- De Saussure Equipment Company, assignee: *See—*
De Saussure, William P.
- De Saussure, James P., assignee: *See—*
De Saussure, William P.
- De Saussure, William P., Englewood, assignor of one-half to himself and one-half to J. P. De Saussure, Montclair, N. J., copartners doing business under the name and style of De Saussure Equipment Company, New York, N. Y. Folding table. 2,448,360, Aug. 31.
- Desbiens, Joseph A., Fall River, Mass. Shoe with moisture absorbing means. 2,435,131, Jan. 27.
- Desch, Joseph R., E. V. Gulden, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube variable impulse transmitter. 2,451,812, Oct. 19.
- Deschamps, Desire J., Rutherford, and D. C. Clarke, Mountaint Lakes, N. J., and F. E. Ferguson, Bronxville, assignors to Deschamps Fuel Injection Corporation, New York, N. Y. Fuel injection pump. 2,436,797, Mar. 2.
- Deschamps Fuel Injection Corporation, assignee: *See—*
Deschamps, Desire J., Clarke, and Ferguson.
- Deschermeier, Frank S., assignor, by mesne assignments, to Chicago Forging and Manufacturing Company, Chicago, Ill. Lever release latch. 2,440,395, Apr. 27.
- De Semple, Albert A., Portland, Oreg. Steel wool holder. 2,438,152, Mar. 23.
- Designers for Industry, Inc., assignee: *See—*
Green, Lee B.
Lendo, Benjamin C., and Pizmoht.
- De Simone, Michele G., Stapleton, assignor to A. G. Agnew, New York, N. Y. Electromechanical mechanism for actuating calculating machines. 2,456,771, Dec. 21.
- De Smet, Edgard C., and J. W. Dickson, assignors to Willys-Overland Motors, Inc., Toledo, Ohio. Motor vehicle lighting. 2,457,211, Dec. 28.
- De Sousa, Eugenio, Rio de Janeiro, Brazil. Surgical instrument and technique. 2,447,169, Aug. 17.
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Quick attach strap. 2,455,889, Dec. 7.
- Despotakis, Tony, Hyde Park, Pa., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Roof for railway freight cars. 2,453,307, Nov. 9.
- De Stefano, John, Jackson Heights, N. Y. Ice preventing means for propellers. 2,435,712, Feb. 10.
- De Stefano, John, Long Island City, N. Y. Combination dust cap and valve cap lock for tire valves. 2,453,001, Nov. 2.
- De Supinski, Bronislaw, Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Making polyvinyl resin solutions. 2,447,398, Aug. 17.
- De Swart, Jan, Eagle Rock, Calif., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Bushing applicator. 2,441,756, May 18.
- De Swart, Jan, Los Angeles, Calif., assignor by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Blind bolt. 2,435,876, Feb. 10.
- De Swart, Jan, Los Angeles, assignor of one half to C. B. Jamison, Beverly Hills, and one half to A. E. Wright, Los Angeles, Calif. Bottle cap. 2,439,845, Apr. 20.
- De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Cathode-ray apparatus. 2,443,025, June 8.
- De Tray, George E., Independence, Mo. Scissors sharpener. 2,451,203, Oct. 12.
- De Trey Freres S. A., assignee: *See—*
Castan, Pierre.
- Detrich, Donald J., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Projectile. 2,444,283, June 29.
- Detrick, M. H., Company, assignee: *See—*
Hosbein, Louis H., and Ellman.
- Detrick, Robert S.: *See—*
Corson, Ben B., and Detrick.
- Detroit Edison Company, assignee: *See—*
Du Brie, Stanley R.
Matthews, George A.
- Detroit Engineering Laboratories, Inc., assignee: *See—*
Du Brie, Stanley R.
- Detroit Harvester Company, assignee: *See—*
Floraday, Burton S.
- Detroit Lubricator Company, assignee: *See—*
Dillman, Earnest J.
Landon, Walter S.
- Detroit Rex Products Company, assignee: *See—*
Dinley, Clarence F.
- Detroit Steel Products Company, assignee: *See—*
Gillett, William, and Miller.
- Detroit Stoker Company, assignee: *See—*
Beers, Royce L.
- Dettinger, David, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Standing-wave measuring apparatus. 2,454,042, Nov. 16.
- Dettman, Harold V., Chicago, Ill. Method and apparatus for bending sheet material. 2,436,383, Feb. 24.
- Dettmer, Edward V.: *See—*
Wiley, Ralph M., and Dettmer.
- De Tuesta, Alvaro C. D., Habana, Cuba. Safeguard device for razor blades. 2,443,495, June 15.
- Detuno, Rocco J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Voltage regulating amplifier system. 2,451,021, Oct. 12.
- Detweiler, Wilbur O., Toronto, Ontario, Canada. Connecting plug. 2,445,608, July 20.
- Detwiler, James G., assignor to The Texas Company, New York, N. Y. Stabilized grease compositions. 2,443,026, June 8.
- Deutsch Company, The, assignee: *See—*
Miller, William J.
- Deutsch, Harold F.: *See—*
Williams, John W., and Deutsch.
- Deutsch, Joseph J., Norwalk, Conn., and J. Vigilante, New York, N. Y., said Vigilante assignor to said Deutsch. Ice-cream scoop. 2,454,735, Nov. 23.
- Deutsch, William, Los Angeles, Calif. Collapsible razor. 2,442,078, May 25.
- De Vane, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Froth flotation of silicious gangue from an alkaline magnetic iron ore pulp with an amine. 2,450,720, Oct. 5.
- Devaney, Lawrence W.: *See—*
McBee, Earl T., and Devaney.
- Devaux, Lucien, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Simultaneous plural frequency start-stop telegraph system. 2,435,035, Jan. 27.
- Devaux, Lucien, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Block entrance initiated train signaling system. 2,447,497, Aug. 24.
- Develay, Cesar, and G. M. Galvier, Paris, France. Automatic cupping device. 2,449,805, Sept. 21.
- De Vilbiss Company, The, assignee: *See—*
Carr, William P.
Clark, Albert R., and Kittle.
Swallow, Herbert A., and De Vilbiss.
- Devine, George F., Easton, Conn., assignor to General Electric Company. Radio cabinet and speaker mounting. 2,440,078, Apr. 20.
- Devine, John J., Middletown, Conn. Pencil with internal illuminating means. 2,452,735, Nov. 2.
- Devens, Joseph M., Springfield, Mass. Vending machine. 2,440,251, Apr. 27.
- Dever, Otto E., Burbank, Calif. Self-driven wheel. 2,441,801, May 18.
- Devoe & Reynolds Company, Inc., assignee: *See—*
Greenlee, Sylvan O.
- De Vol, Bart E., Santa Ana, Calif. Automatic grass catcher. 2,440,934, May 4.
- Devol, George C., Greenwich, Conn., assignor to The Sperry Corporation. Coaxial line coupling. 2,449,983, Sept. 28.
- Devol, Manson L., Wilkensburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Rolling of glass to form sheets. 2,444,731, July 6.
- De Vore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. System for directing radio waves. 2,453,414, Nov. 9.

- Devore, Weber: *See*—
D'Ardenne, Walter H., Devore, Wolf, and Boyd.
- De Voss, Letta I.: *See*—
Beckel, Arthur C., De Voss, Belter, and Smith.
- Devreotes, Peter: *See*—
McCall, Fred H., and Devreotes.
- De Vries, George T., Kesley, Iowa. Navigation instrument. 2,433,984, Jan. 6.
- De Vries, Gerrit, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Device for indicating direction and distance. 2,444,388, June 29.
- De Vries, Lyn H., San Jose, Calif. Child's garment. 2,445,909, July 27.
- De Vries, Millard, assignor to O. R. Hagans, Denver, Colo. Wrench for waterproof watch cases. 2,443,920, June 8.
- De Vry Corporation, assignee: *See*—
De Vry, William C.
Ress, Thomas I., and Lang.
- De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Film splicer. 2,446,576, Aug. 10.
- De Walt, Kenneth C., Scotia, N. Y., assignor to General Electric Company. Envelope and electrode structure for electric discharge devices. 2,443,444, June 15.
- Dewan, Leon, Arverne, assignor of one-half to P. W. Andrews, New York, N. Y. Generator for producing periodic current. 2,440,935, May 4.
- Dewar, James R., assignor to Stromberg-Carlson Company, Rochester, N. Y. Peg count metering arrangement. 2,444,156, June 29.
- Dewas, Raymond, Amiens, France. Weaving loom having a continuous weft supply. 2,441,802, May 18.
- Dewas, Raymond, Amiens, France. Yarn tensioning device. 2,457,450, Dec. 28.
- Déwé, assignee: *See*—
De Wrangell, Mathieu.
- De Weese, Joseph C., Essex, assignor to The Glenn L. Martin Company, Middle River, Md. Fluid seal for fittings. 2,439,244, Apr. 6.
- Dewey and Almy Chemical Company, assignee: *See*—
Maeder, Henry G., Jr., and Day.
Ross, William C.
Ross, William C., and Nelley.
Shanklin, Dunbar L.
Shanklin, Dunbar L., and Stokes.
Tompkins, Norman G.
- Dewey, Charles S., Jr., Far Hills, assignor to Shaw Insulator Company, Irvington, N. J. Apparatus for molding cored articles of organic plastic material. 2,436,065, Feb. 17.
- Dewey, Clarence L., assignor to C. E. Taylor and H. E. Lerner, copartners, doing business as Taylor Sales Engineering Company, Elkhart, Ind. Floating filter. 2,448,212, Aug. 31.
- Dewey, Edward B., Washington, D. C. Agricultural machine. 2,449,062, Sept. 14.
- Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.
- De Wilde, Albert N., and W. W. Mansfield, assignors to Penn Electric Switch Co., Goshen, Ind. Tube forming die. 2,443,416, June 15.
- De Witt, William J., and H. A. Corbett, assignors to Shoe Form Co. Inc., Auburn, N. Y. Fishhook making machine. 2,451,477, Oct. 19.
- De Wrangell, Mathieu, Paris, assignor to Déwé, Clichy (Seine), France. Combination lock. 2,447,785, Aug. 24.
- Dexter Folder Company, assignee: *See*—
Schneider, Walter E.
Williams, Leo C.
- Dexter Folding Company, assignee: *See*—
Williams, Leo C.
- Dexter, Gregory M., Scarsdale, N. Y., and F. H. Thurber, Washington, D. C.; said Thurber assignor to the United States of America as represented by the Secretary of Agriculture, and said Dexter assignor to United States Sugar Corporation, Clewiston, Fla. Production of sweet potato starch. 2,443,897, June 22.
- Dexter, Robert G., Lexington, assignor to Barkley & Dexter, Boston, Mass. Package of individual cleansing tissue. 2,454,864, Nov. 30.
- Dey, Charles L., Princeton Junction, N. J. Digging and sorting machine. 2,447,399, Aug. 17.
- De Young, William, Hawthorne, and E. C. Weathered, Jersey City, N. J. Abrading machine. 2,437,245, Mar. 9.
- D'Hallo, Audoin, Paris, France. Refrigerating machine. 2,440,079, Apr. 20.
- Dhein, Leonard H.: *See*—
Hall, George E., Jr., Hultquist, and Dhein.
- D'Horaene, Elie F. H., Brussels, Belgium. Display stand for show windows. 2,435,132, Jan. 27.
- Dial, James M., Dayton, Ohio. Subcaliber attachment for guns. 2,457,354, Dec. 28.
- Diamant, Fred J., New York, N. Y. Composite shoe platform. 2,448,663, Sept. 7.
- Diamant, Malvina, New York, N. Y. Stocking dryer. 2,440,169, Apr. 20.
- Diamond Alkali Company, assignee: *See*—
Cunningham, George L.
- Diamond, Doris, assignee: *See*—
Diamond, Israel.
- Diamond, Harry, and F. W. Dunmore, Washington, D. C., and W. S. Hinman, Jr., Falls Church, Va., assignors to the United States of America, as represented by the Secretary of Commerce. Determining upper air wind conditions by radio direction finding. 2,434,263, Jan. 13.
- Diamond, Herbert H., assignee: *See*—
Diamond, Israel.
- Diamond, Israel, assignor of one-fourth to R. Diamond, one-fourth to D. Diamond, one-fourth to M. Diamond, and one-fourth to H. H. Diamond, Washington, D. C. Forming eyes on wire. 2,454,997, Nov. 30.
- Diamond, Louis, and M. R. Udell, Chicago, Ill. Orthopedic appliance and making the same. 2,436,164, Feb. 17.
- Diamond Power Specialty Corporation, assignee: *See*—
Howse, Curtis L.
- Diamond Match Company, The, assignee: *See*—
Madigan, William A.
- Diamond, Mildred, assignee: *See*—
Diamond, Israel.
- Diamond, Ruth, assignee: *See*—
Diamond, Israel.
- Diamond Craft of America, Inc., assignee: *See*—
Ludel, Jacob.
- Diaphragm & Chemical Company, assignee: *See*—
Waterbury, Carl C.
- Di Bartolomeo, Joseph A., Baltimore, Md. Children's vehicle. 2,451,665, Oct. 19.
- Di Bonaventura, Marino, Southbridge, Mass. Retinoscope for determining refractive errors of the eye. 2,448,140, Aug. 31.
- Dichter, Morris: *See*—
Lockrey, Andrew J., and Dichter.
- Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Piston and seal. 2,438,153, Mar. 23.
- Dick, John P., Haley, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Producing magnesium ore briquettes. 2,435,495, Feb. 3.
- Dickason, John W.: *See*—
De Smet, Edgar C., and Dickason.
- Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Airplane course indicating system. 2,439,846, Apr. 20.
- Dicke, Robert H., Princeton, N. J. Detection of high-speed charged particles. 2,448,963, Sept. 7.
- Dickens, Lonnie A., Archdale, N. C. Controls and systems for defrosting cooling units of refrigerating machines. 2,446,910, Aug. 10.
- Dickens, Lonnie A., High Point, N. C. Hill-holding brake device. 2,438,154, Mar. 23.
- Dickens, Richard G., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,457,213, Dec. 28.
- Dickenson, Haydn G., Warrington, assignor to Ward, Blenkinsop & Company Limited, London, England. Process for the production of cyclic lactones. 2,449,162, Sept. 14.
- Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Arresting hook. 2,452,911, Nov. 2.
- Dickerman, Gilbert K., assignor to Consolidated Water Power and Paper Company, Wisconsin Rapids, Wis. Production of clay suspensions. 2,440,601, Apr. 27.
- Dickerman, Harry K.: *See*—
Nyden, Robert, and Dickerman.
- Dickerman, Hubert E., Springfield, Mass. Safety guard for presses and the like. 2,443,726, June 22.
- Dickerson, J. Edward, assignee: *See*—
Dickerson, Winifred S.
- Dickerson, Leary, Jamaica, Va. Oyster punching machine. 2,444,636, July 6.
- Dickerson, Paul M.: *See*—
Furst, Albert J., Aakjer, and Dickerson.
- Dickerson, Paul M., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device having an electron beam passage and aligning means therewith for the cathode. 2,451,813, Oct. 19.
- Dickerson, William N., Sullivan, Ind., and L. D. Gonzales, El Paso, Tex. Electrical induction heater for carburetors. 2,441,312, May 11.
- Dickerson, Winifred S., assignor of one-half to J. E. Dickerson, Atlanta, Ga. Brassière. 2,445,767, July 27.
- Dickey, Frank H., Pasadena, assignor to Shell Development Company, San Francisco, Calif. Reaction products of tertiary organic hydroperoxides with aldehydes or ketones. 2,455,569, Dec. 7.
- Dickey, George D., assignor of one-half to H. M. Hunter, New York, N. Y. Rotary filter. 2,455,409, Dec. 7.
- Dickey, John W., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Laundry drier. 2,445,516, July 20.
- Dickey, Joseph B.: *See*—
McNally, James G., and Dickey.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monoazo dye containing a trifluoro acetyl amino group. 2,436,100, Feb. 17.
- Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,434,150, Jan. 6.
- Dickey, Joseph B., and F. C. Duennebier, assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of cyanoacrylic acid derivatives. 2,439,081, Apr. 6.

- Dickey, Joseph B., and J. R. Byers, Jr., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Monazo compounds containing a pyrazolone nucleus. 2,439,798, Apr. 20.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds. 2,442,345, June 1.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 2-acylamino-1,3-butadienes. 2,446,172, Aug. 3.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Trimethylenebenzomorpholine azo compounds. 2,448,869, Sept. 7.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds containing a triazole nucleus. 2,448,870, Sept. 7.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds containing a tetrahydroquinoline nucleus. 2,448,871, Sept. 7.
- Dickey, Joseph B., and E. B. Towne, assignors to Eastman Kodak Company, Rochester, N. Y. Aminoanthraquinone dye compounds containing a trifluoromethyl group. 2,451,478, Oct. 19.
- Dickey, Paul S.: *See*—
Johnson, Clarence, Gorrie, and Dickey.
- Dickey, Paul S., Shaker Heights, Ohio, assignor to Bailey Meter Company. Control system for feeding fuel to furnaces. 2,439,721, Apr. 13.
- Dickieson, Robert W., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Trimming mechanism for grinder wheels. 2,453,501, Nov. 9.
- Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Sequential electronic commutator with supplementary grid control. 2,477,799, Aug. 24.
- Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Sequential electronic commutator with supplementary grid control. 2,447,800, Aug. 24.
- Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic trigger circuit with pulse output attenuating means. 2,456,818, Dec. 21.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record controlled adding and comparing machine. 2,434,487, Jan. 13.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Variable frequency relaxation oscillator. 2,453,203, Nov. 9.
- Dickinson, Horace, South Gate, Calif. Thermal-mechanical element. 2,448,784, Sept. 7.
- Dickinson, John T., Basking Ridge, N. J., O. Morfit, Scarsdale, and L. J. Van Orden, Olean, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of fats. 2,454,638, Nov. 23.
- Dickinson, Robert C., and R. E. Frink, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,442,199, May 25.
- Dickman, Calvin H., Brewster, Minn. Manually operated vegetable slicer. 2,449,282, Sept. 14.
- Dickman, Forrest W., Ashland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cover operating mechanism. 2,442,869, June 8.
- Dickman, Joseph E., Chicago, Ill. Motion-picture projector adapter for showing still pictures. 2,438,333, Mar. 23.
- Dickson, James T., Los Angeles, Calif. Pressure actuator for brakes. 2,446,694, Aug. 10.
- Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. Instrument lighting. 2,452,294, Oct. 26.
- Dickson, Ross O., Mexico City, Mexico. Dental template. 2,448,085, Aug. 31.
- Di Cosmo, Pasquale V., Phillipsburg, and M. C. Ricciardi, Dover, assignors to The Canister Company, Phillipsburg, N. J. Canister. 2,438,430, Mar. 23.
- Dictaphone Corporation, assignee: *See*—
Bliss, Harding, and Sussky.
Bossmeier, Charles L.
Brubaker, George P.
Leitner, Richard G., and Rieber.
Petruschell, Lucius P.
Roberts, Frederick W., and Curtis.
- Dictograph Products Company, Inc., assignee: *See*—
Young, Don H., and Mallalieu.
- Diddams, Donald G.: *See*—
Salvesen, Jorgen Richter, Brink, Diddams, and Owzarski.
- Didget, Adna S., Cape May Court House, N. J. Automatic poultry fountain. 2,448,695, Aug. 10.
- Diebold Incorporated, assignee: *See*—
Bruen, George C., and Miller.
Magaw, Ronald R., and Miller.
Nero, Fred P.
- Diehl, Walter S., United States Navy. Airflow stabilizer. 2,451,479, Oct. 19.
- Diehnelt, Walter, Menomonee Falls, Wis. Bottom board assembly for beehives. 2,446,081, July 27.
- Diemel, Albert H.: *See*—
Peterson, Carl D., and Deimel.
- Diesel Filter Co., assignee: *See*—
Sager, Victor.
- Diessel, Anton E., assignor to International Shoe Company, St. Louis, Mo. Shoe machine. 2,450,643, Oct. 5.
- Dieter, Curtis E., and B. J. Thiess, assignors to The Dow Chemical Company, Midland, Mich. Dichlorodiphenyl-trichloroethane and cyclohexyldiphenylether insecticidal composition. 2,442,760, June 8.
- Dieter, Walter G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass-topped tennis table. 2,447,743, Aug. 24.
- Dieter, Harry W., Detroit, Mich. Apparatus for testing molding sand. 2,448,964, Sept. 7.
- Diethert, Russell S., Chicago, Ill., assignor to Northwest Plastics, Inc., St. Paul, Minn. Electrical terminal bushing. 2,457,535, Dec. 28.
- Dietrich, Walter L., assignor to The Arrow-Hart & Hege-man Electric Company, Hartford, Conn. Rotary switch contact assembly. 2,440,578, Apr. 27.
- Dietrichson, William F., and J. Christiansen, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Plate metal sill brace and draft gear stop. 2,444,637, July 6.
- Dietz, Albert E., Washington, D. C. Smoker's pipe. 2,454,436, Nov. 23.
- Dietz, Charles: *See*—
Lee, Pyungtoo W., and Dietz.
- Dietz, R. E., Company, assignee: *See*—
Wadsworth, Charles J.
- Dietze, Emil, Richmond Hill, assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y. Hasp seal. 2,435,713, Feb. 10.
- Dietzler, Andrew J.: *See*—
Britton, Edgar C., and Dietzler.
- Differentiator Inc., assignee: *See*—
Allen, Clarence G.
- Digby, James J., Elmira, assignor to Bendix Aviation Company, Elmira Heights, N. Y. Engine starter gearing. 2,444,284, June 29.
- Diggs, Lemuel W., Whitehaven, Tenn., assignor to the United States of America, as represented by the Secretary of War. Transfusion equipment. 2,435,820, Feb. 10.
- Di Ghilini, Alexander E., administrator, et al.: *See*—
Di Ghilini, Ulrich L.
- Di Ghilini, Elston, administrator, et al.: *See*—
Di Ghilini, Ulrich L.
- Di Ghilini, Ulrich L., deceased, Beverly Hills, Calif.; A. E. and E. Di Ghilini, administrators. Recording and reproducing apparatus. 2,446,324, Aug. 3.
- Digmon, Ed M., Birmingham, Ala. Device for night fishing. 2,446,459, Aug. 3.
- Dike, Paul H., Jenkintown, and E. D. Doyle, assignors to Leeds and Northrup Company, Philadelphia, Pa. Recorder with magnetically positioned electric indicator. 2,449,283, Sept. 14.
- Dike, Ralph E., McCook, Nebr. Bed lamp. 2,451,157, Oct. 12.
- Dilks, Uselma C. S., Narberth, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Pendulum controlled electric dive angle indicator. 2,445,517, July 20.
- Dill, Gilbert D., South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Abrasive cleaning system. 2,434,881, Jan. 20.
- Dill Manufacturing Company, The, assignee: *See*—
Crowley, John C.
- Dillaby, Edwin F., Beverly, assignor to B. A. Coffin, Peabody, Mass. Top cap for electron tubes. 2,446,460, Aug. 3.
- Dillinger, Joy F., Riverside, and C. C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Fluxing method in soldering. 2,439,159, Apr. 6.
- Diller, Isaac M., Glen Ridge, N. J. Welding metal bodies by high-frequency electric heating of dielectric material therebetween. 2,438,155, Mar. 23.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic valve. 2,439,336, Apr. 6.
- Dillon, Harry R., Niagara Falls, N. Y. Glass spring for securing electrical units. 2,441,234, May 11.
- Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Driving and braking device. 2,440,850, May 4.
- Di-Met Proprietary Limited, assignee: *See*—
Nightingall, Victor C. J.
- Dimick, Adele L.: *See*—
Fevold, Harry L., and Dimick.
- Dimick, Henry N., assignor to Hyster Company, Portland, Ore. Vehicle lighting system. 2,453,415, Nov. 9.
- Dimick, Keene P.: *See*—
Fraenkel-Conrat, Heinz L., Humfeld, Lewis, Dimick, and Olcott.
- Dimick, Royal H.: *See*—
Chase, Leon R., and Dimick.
- Dimick, William A., St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Balance weight assembly for weighing scales. 2,456,178, Dec. 14.

- Dimit, Dwan G., Sierra Madre, Calif. Card holder with slide. 2,447,903, Aug. 24.
- Dimler, Robert J., Peoria, Ill., assignor to United States of America as represented by the Secretary of Agriculture. Alkali process for wheat starch production. 2,455,981, Dec. 14.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Sound-to-image transducing system. 2,453,502, Nov. 9.
- Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase synchronized pulsed trigger circuit. 2,435,207, Feb. 3.
- Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multivibrator. 2,440,252, Apr. 27.
- Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscilloscope circuit. 2,444,338, June 29.
- Di Monico, George S.: *See*—
Leathers, Ward, and Di Monico.
- Dimsdale, Wilfrid H., and K. J. Challis, assignors to Ilford Limited, Ilford, England. Gelatino-silver halide photographic elements containing higher fatty alcohols. 2,454,043, Nov. 16.
- Dinesen, Laurits, assignor to Perfection Manufacturing Corporation, Minneapolis, Minn. Pulsator for milking machines. 2,447,688, Aug. 24.
- Dingley, Edward N., Jr., Arlington, Va. Radio direction finder. 2,454,783, Nov. 30.
- Dings Magnetic Separator Co., assignee: *See*—
Crockett, Robert E.
Manegold, Robert L.
Manegold, Robert L., and Wynne.
- Dinley, Clarence F., assignor to Detroit Rex Products Company, Detroit, Mich. Apparatus for solvent extraction. 2,447,845, Aug. 24.
- Dinnick, George M.: *See*—
Slack, Charles M., and Dinnick.
- Dinsley, Alfred, La Canada, Calif. Luminescent signaling composition. 2,439,598, Apr. 13.
- Di Nucci, Edward A.: *See*—
Bailey, William H., Jr., and Di Nucci.
- Dinyer, Frank J., Mandan, N. Dak. Inhaler. 2,451,540, Oct. 19.
- Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding. 2,439,966, Apr. 20.
- Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Molding machine. 2,444,339, June 29.
- Dion, Amedee, Ste. Therese de Blainville, Quebec, Canada. Auxiliary chaffer for threshing machines. 2,441,917, May 18.
- Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electronically controlled motor-driven loom let-off. 2,450,470, Oct. 5.
- Dion, Raymond F., Leominster, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft detecting system for convertible looms. 2,446,747, Aug. 10.
- Di Pasquale, Salvatore, New York, N. Y. Broiler. 2,441,994, May 25.
- Di Pietro, Carmelo V., Birmingham, Mich. Refrigerated liquid dispensing apparatus. 2,435,774, Feb. 10.
- Di Pietro, Carmelo V., Birmingham, Mich., assignor to Richardson Corporation, Rochester, N. Y. Method and apparatus for sterilizing glasses, dishes, or the like. 2,439,042, Apr. 6.
- Di Pietro, Carmelo V., Birmingham, Mich. Carbonator apparatus. 2,442,801, June 1.
- Di Renzo, Simon, assignor of one-third to A. A. Steinle and one-third to J. J. McDevitt, Philadelphia, Pa. Combination tank cap and signalling device for gasoline tanks. 2,441,872, May 18.
- Dirksen, Ole A., Spencer, Iowa. Combination bicycle seat and luggage carrier. 2,436,991, Mar. 2.
- Dirksen, Ole A., Spencer, Iowa. Knife holder and sharpener. 2,441,690, May 18.
- Dirlam, John C., and J. I. Morris, assignors to J. I. Morris Co., Inc., Southbridge, Mass. Replaceable optical temple cover. 2,436,101, Feb. 17.
- Diroff, Alton J.: *See*—
Peltier, Walter J., and Diroff.
- Dirstine, Philip H.: *See*—
Davis, Clyde W., Dirstine, and Brown.
- Dischinger, Irvin E., Jr.: *See*—
Bell, James E., Stacy, and Dischinger.
- Dishal, Milton: *See*—
Richardson, Avery G., Dishal, and Le Grand.
- Dishmaker, Anton A., deceased, Waupaca, Wis.; O. A. Dishmaker, executor. Hedge trimmer. 2,443,027, June 8.
- Dishmaker, Orville A., executor: *See*—
Dishmaker, Anton A.
- Disney, Walt, Productions, assignee: *See*—
Iwerks, Ubbe E.
Jones, Richard.
- Disotell, Mose E., Berlin, Wis. Pole holder. 2,439,847, Apr. 20.
- Disposable Bottle Corporation, assignee: *See*—
Allen, Adda M.
- Dissel, Theodore A., Hartford, and I. L. Newell, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Deicing composition for aircraft parts and surfaces. 2,451,814, Oct. 19.
- Disston, Henry, & Sons, assignee: *See*—
Graft, William H.
- Distad, Merrill F.: *See*—
Page, Robert M., and Distad.
- Distillation Products, Inc., assignee: *See*—
Barnitz, Edward S.
Denys, Orban.
Embree, Norris D., and Kuhrt.
Embree, Norris D., and Shantz.
Hickman, Kenneth C. D.
Hobbie, Albert C.
Kuipers, George A.
Nagel, Gerhard R., and Johnson.
- Distillers Company, Limited, The, assignee: *See*—
Duval, Bruce, and Tuerck.
Elce, Alec, Hall, and Tuerck.
Galitzenstein, Eugen Gottfried, and Woolf.
Salt, Francis E.
Stanley, Herbert M., Salt, and Williams.
Staudinger, Hanns P., and Cooke.
Staudinger, Hanns P., Faulkner, and Wright.
Staudinger, Hanns P., Kelly, and Cooper.
Staudinger, Hanns P., and Tuerck.
Tuerck, Karl H. W.
Tuerck, Karl H. W., and Brittain.
Tuerck, Karl H. W., and Lichtenstein.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,447,846, Aug. 24.
- Diterichs, Wladimir, Paris, France; vested in the Attorney General of the United States. Manufacture of synthetic mineral products. 2,455,358, Dec. 7.
- Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,454,865, Nov. 30.
- Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,457,212, Dec. 28.
- Dittmar, Harry R.: *See*—
Larson, Alfred T., Loder, and Dittmar.
- Dittmar, Harry R., and D. E. Strain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process and product. 2,443,378, June 15.
- Dittmar, William R., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Link-pi retaining device for radial engines. 2,437,877, Mar. 16.
- Dittmar, William W., Williamsport, Pa. Merry-go-round. 2,457,355, Dec. 28.
- Ditto, Incorporated, assignee: *See*—
Champion, William J.
Dempsey, Harold L.
Hess, Arthur L.
Hess, Arthur L., and Denyven.
Holik, Melville J.
Little, Alfred E., and Jagger.
- Dittrich, Francis J., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car. 2,434,841, Jan. 20.
- Ditty, Allan V., Detroit, Mich. Telescoping joint. 2,437,510, Mar. 9.
- Ditzler, Walter H., Columbus, Nebr. Wheeled scooping device. 2,450,721, Oct. 5.
- Diveco Corporation, assignee: *See*—
Nash, Carl B.
- Di Veglia, Joseph, Scotia, N. Y. Hand combat weapon. 2,441,475, May 11.
- Diver, James D., Detroit, Mich. Holder for tubular lamps. 2,446,461, Aug. 3.
- Diversey Corporation, The, assignee: *See*—
Rich, Hyman R.
- Diversified Designing & Machine Products Corporation, assignee: *See*—
Williams, Eugene D.
- Divoll, Richard L., Concord, Mass., assignor to Bendix Aviation Corporation, Teterboro, N. J. Attitude gyro. 2,439,358, Apr. 6.
- Dixon, Arthur G., assignor to Modine Manufacturing Company, Racine, Wis. Convactor heating unit. 2,456,492, Dec. 14.
- Dixon, Cecil A., assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Incendiary projectile. 2,446,082, July 27.
- Dixon, Floyd E., Los Angeles, Calif. Refrigerating system of the inert gas type. 2,443,379, June 15.
- Dixon, James K.: *See*—
Sayward, John M., and Dixon.
- Dixon, James K., Riverside, Conn., and E. W. Cook, assignors to American Cyanamid Company, New York, N. Y. Production of aminopropionitriles. 2,439,359, Apr. 6.
- Dixon, James K., Riverside, and D. R. May, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of aryl substituted ethylenic compounds. 2,450,334, Sept. 28.
- Dixon, James Kenneth: *See*—
Pfann, Harry F., and Dixon.
- Dixon, Joseph, Crucible Company, assignee: *See*—
Reid, John O.

- Dixon, Paul H., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Valve. 2,441,220, May 11.
- Dixon, Paul H., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Feed mechanism for rapid-fire guns. 2,453,786, Nov. 16.
- Dixon, Thomas F.: *See—*
Weltman, William C., and Dixon.
- Do All Company, The, assignee: *See—*
Southernwick, Harold I.
- Doane, Leroy C., Essex, assignor to The Sight Light Corporation, Deep River, Conn. Shock resistant relay. 2,451,323, Oct. 12.
- Doane, Lewis B., and F. B. Bentley, New London, assignors to Electric Boat Company, Groton, Conn. Flexible metal hose. 2,449,369, Sept. 14.
- Doane Products Corporation, The, assignee: *See—*
De Bishop, Arthur, Jr.
- Dobbins, Albert L., Kansas City, Mo. Teeth cleaning device. 2,444,638, July 6.
- Dobbins, Horace M., Pasadena, Calif. Craft propulsion. 2,440,195, Apr. 20.
- Dobbins, John P., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Reflex reproducing process. 2,441,010, May 4.
- Dobbs, John M., Timperley, and J. H. Ludlow, Bowdon, England. Screening means for vacuum electric tube devices. 2,438,115, Mar. 23.
- Dobbs, Richard H., Atlanta, Kans. Earth boring machine. 2,453,204, Nov. 9.
- Dobbs, Richard H., Atlanta, Kans. Posthole auger. 2,456,819, Dec. 21.
- Dobie, Edward J., and A. F. Raymond, Robbinsdale, Minn. Disintegrator drilling device. 2,436,251, Feb. 17.
- Dobie, George N., Jr., assignor to Supervision, Incorporated, Cleveland, Ohio. Folder. 2,452,231, Oct. 26.
- Doble, Abner, assignor to Stanley Steam Motors Corporation, Chicago, Ill. Speed and cutoff control means for steam engines and the like. 2,440,328, Apr. 27.
- Doble, Abner, assignor to Stanley Steam Motors Corporation, Chicago, Ill. Control means for correlating supply of aspirating to aspirated fluids. 2,440,329, Apr. 27.
- Doblin, Percy W., Brooklyn, and H. Ashworth, Baldwin, N. Y. Belt splicing device. 2,438,361, Mar. 23.
- Dobrin, Harry, assignor to Furnace Engineers, Inc., Pittsburgh, Pa. Heat-treating furnace. 2,446,642, Aug. 10.
- Dobson, Jessica, Whickham, England. Trousers, shorts and the like. 2,448,705, Sept. 7.
- Docherty, Charles D.: *See—*
Cairns, John E. I., and Docherty.
- Dockendorff, Ralph L., Goose Creek, Tex., assignor to Standard Oil Development Company. Toluene sulfonic acid treatment of aromatic hydrocarbons. 2,438,001, Mar. 16.
- Docksey, Patrick, Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Controlled fractional distillation of petroleum. 2,453,205, Nov. 9.
- Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control apparatus. 2,436,293, Feb. 17.
- Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control apparatus. 2,446,216, Aug. 3.
- Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,456,112, Dec. 14.
- Dodds, John M., Timperley, and J. H. Ludlow, Bowdon, England. Uncontrolled transmitter tuning and antenna switching arrangements. 2,438,116, Mar. 23.
- Dodds, John M., Timperley, and J. H. Ludlow, Bowdon, England. Multirange tuner for ultra high frequency transmitters. 2,438,474, Mar. 23.
- Dodds, John M., Timperley, and J. H. Ludlow, Bowdon, England. Multirange tuner for ultra high frequency transmitters. 2,438,475, Mar. 23.
- Dodds, John M., Timperley, and J. H. Ludlow, Bowdon, England. Multirange tuning means for radio frequency generators. 2,438,476, Mar. 23.
- Dodds, John M., Timperley, and J. H. Ludlow, Bowdon, England. Tuning circuit for radio transmitters. 2,438,477, Mar. 23.
- Dodds, John M., Timperley, and G. J. Scoles, East Sheen, London, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Relaxation circuits for producing electrical impulses at regular recurrence frequencies. 2,438,845, Mar. 30.
- Dodds, John M., Timperley, G. J. Scoles, East Sheen, London, M. E. Haine, Sale, and R. F. Archer, Manchester, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Synchronized pulse producer. 2,442,286, May 25.
- Dodelin, Frederick A., Glen Ridge, assignor to Pyrene Manufacturing Company, Newark, N. J. Discharge head for pressure fluid tanks. 2,441,011, May 4.
- Dodge, Adiel Y., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,441,347, May 11.
- Dodge, Adiel Y., Rockford, Ill. Adjustable crank. 2,445,710, July 20.
- Dodge, Adiel Y., Rockford, Ill. Transmission. 2,446,462, Aug. 3.
- Dodge, Floyd L., assignor to The Wade Tool Co., Waltham, Mass. Collet seal. 2,448,423, Aug. 31.
- Dodge, Frederick G., La Vale, Md., assignor to Celanese Corporation of America. File materials and production thereof. 2,438,156, Mar. 23.
- Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Making rubber articulated joints. 2,457,647, Dec. 28.
- Dodge, Lyssander H., Huntington Beach, Calif. Flashlight attachment for small arms. 2,450,584, Oct. 5.
- Dodge Manufacturing Corporation, assignee: *See—*
East, Marion L.
Firth, David.
- Dodge, Ralph L.: *See—*
Keenen, Frank G., and Dodge.
- Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Power operated case shift mechanism for typewriting machines. 2,439,456, Apr. 13.
- Dodge, Ronald D., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Power-operated skip tabulating mechanism for typewriting machines. 2,451,722, Oct. 19.
- Dodge, Thomas C., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Automatic can distributor. 2,455,741, Dec. 7.
- Dodge, Wesley, Oakland, Calif., assignor to Paterson Parchment Paper Company, Bristol, Pa. Bag handling machinery. 2,436,955, Mar. 2.
- Dodington, Sven H. M., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse radar interference producer. 2,440,253, Apr. 27.
- Dodson, Edward, Oaks, Puriton, near Bridgwater, England. Fuel supply system for aircraft engines. 2,441,012, May 4.
- Dodson, Howard W., Yeadon, assignor to United Steel Barrel Company, Philadelphia, Pa. Chain and method and apparatus for forming same. 2,440,254, Apr. 27.
- Dodson, Jesse L., Kingston, assignor of one-half to H. Hoder, Scranton, Pa. Electrical indicating apparatus and circuit closer therefor. 2,437,018, Mar. 2.
- Dodson, William C.: *See—*
Drum, Harry S., Dodson, and Jaxheimer.
- Doebert, Martin H., Buffalo, N. Y. Tool for applying traction devices on wheels. 2,438,547, Mar. 30.
- Doeh Development Co., assignee: *See—*
Ruderfer, Martin.
- Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Plasticizable organic compounds plasticized with an alkoxalkyl ether of a halonitrophenol. 2,450,272, Sept. 28.
- Doelz, Melvin L., Cedar Rapids, Iowa, assignor to Collins Radio Company. Radio system for transmission and reception on the same frequency. 2,457,134, Dec. 28.
- Doelz, Melvin L., Minneapolis, Minn., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic frequency control system. 2,445,663, July 20.
- Doelz, Melvin L., Minneapolis, Minn., assignor to Collins Radio Company, Cedar Rapids, Iowa. Multifrequency generating and selecting system. 2,445,664, July 20.
- Doering, Charles and H. H., E. W. Anderson, and B. J. Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said C. and H. H. Doering. Apparatus for cutting and impressing substances. 2,441,757, May 18.
- Doering, Henry H.: *See—*
Doering, Charles and H. H., Anderson, and Skoglund.
- Doering, Raymond A., San Francisco, Calif. Heating stove. 2,433,829, Jan. 6.
- Doerr, Keith: *See—*
Doerr, Raymond and K.
Doerr, Raymond S. and K.
- Doerr, Raymond and K., assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Ball-bearing valve stem. 2,451,928, Oct. 19.
- Doerr, Raymond S. and K., assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Washer assembly unit. 2,444,595, July 6.
- Doggett, David L., Mount Kisco, and W. Schier, Forest Hills, assignors to Hofstatter's Sons, Inc., Long Island City, N. Y. Convertible refreshment bar and partitioning screen. 2,457,536, Dec. 28.
- Dohanian, Luke M., Somerville, Mass. Vertically pivoted automobile side-window laminated mirror. 2,437,154, Mar. 2.
- Doherty, William H., Elmhurst, N. Y. Shoe construction. 2,445,665, July 20.
- Dohn, Myrtle, assignee, et al.: *See—*
Brown, Clarence J., and F. S.
- Dohrmann, Frederick C., Los Angeles, Calif. Color changing antiseptic composition. 2,451,022, Oct. 12.
- Dohrmann, Henry C., Jersey City, N. J., assignor to Buell Engineering Company, Incorporated, New York, N. Y. Dust collector. 2,448,424, Aug. 31.
- Dohrn, Max, Berlin-Charlottenburg, and O. Laubereau, Berlin-Neukolln, Germany; vested in the Attorney General of the United States. P-amino phenyl-p-amino pyridyl sulfone and making the same. 2,456,258, Dec. 14.

- Doisy, Edward A., Webster Groves, and S. A. Thayer, St. Louis, Mo., D. W. MacCorquodale, Highland Park, Ill., R. W. McKee, Newton, Mass., and S. B. Binkley, Detroit, Mich., assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo. Obtaining vitamin K compounds. 2,456,686, Dec. 21.
- Dolan, Alpheus J., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power factor control. 2,441,995, May 25.
- Dolan, Charles H., II, Old Greenwich, Conn. Electric plug. 2,448,086, Aug. 31.
- Dolan, Charles H., II, Old Greenwich, Conn. Liner for engine cylinders. 2,449,771, Sept. 21.
- Dolan, Harry: *See*—
Carnegie, Herbert S., and Dolan.
- Dolan, Loyd M., Fort Wayne, Ind., assignor to General Electric Company. Laminated core construction. 2,448,785, Sept. 7.
- Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency amplifier. 2,434,792, Jan. 20.
- Dole, Chester E., Vallejo, Calif. Gate latch and opener. 2,441,691, May 18.
- Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.
- Dole Valve Company, The, assignee: *See*—
Brown, Clyde A.
Chace, Thomas B.
Cramer, William F., Jr.
Drapeau, Harold B.
Kempton, Leslie A.
Kleist, Herman W.
Rosenblum, Robert A.
- Dolk, Harold G., Hoquiam, Wash., assignor of one-half to C. M. Manker, Portland, Ore. Fishing pole holder. 2,438,388, Mar. 23.
- Doll, Henri-Georges, and G. K. Miller, assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Recording device. 2,457,214, Dec. 28.
- Dollase, Robert F., Fort Atkinson, Wis. Trailer hitch. 2,439,967, Apr. 20.
- Dolmatch, Aaron, Newark, N. J. Blood specimen container and cooperating withdrawing means. 2,436,638, Feb. 24.
- Dolorimeter, Inc., assignee: *See*—
Gluzek, Lorand J. B.
- Dolude, Roman J., Los Angeles, Calif., assignor to General Electric Company. Erecting device for gyroscopes. 2,434,488, Jan. 13.
- Dolza, John, D. P. Croissant, A. W. Gaubatz, and P. W. Perish, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,451,204, Oct. 12.
- Dom, John M., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Fluid distribution system. 2,453,416, Nov. 9.
- Domack, Lawrence C., Elmwood Park, Ill. Making internal wrenching tools. 2,457,451, Dec. 28.
- Doman, Glidden S., Stamford, assignor to United Aircraft Corporation, East Hartford, Conn. Dynamic balancer for rotor blades. 2,451,541, Oct. 19.
- Dombrow, Bernard A.: *See*—
Miskel, John J., and Dombrow.
- Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Attenuation control network. 2,439,651, Apr. 13.
- Domestic Credit Corporation, assignee: *See*—
Sleeper, Paul H.
- Dominguez A., Roberto, assignor of twenty per cent to M. A. Ayestas, Tegucigalpa, D. C., Honduras. Fountain comb. 2,456,687, Dec. 21.
- Dominic, Frank M., Duncombe, Iowa. Traller for disk machines. 2,456,868, Dec. 21.
- Dominion Magnesium Limited, assignee: *See*—
Dick, John P.
- Dominion Merchants Company Limited, assignee: *See*—
McDowell, Creighton J.
- Dominion Tar & Chemical Company, assignee: *See*—
Sturrock, Murray G., Lawe, and Kemp.
- Domier, Charles A., Johnston, R. I. Strap. 2,449,884, Sept. 21.
- Domier, Charles A., Johnston, R. I. Strap with inseparable ends. 2,449,885, Sept. 21.
- Domoj, John J.: *See*—
Cotton, Robert B., Ryan, and Domoj.
Elder, Robert M., and Domoj.
- Domonkas, Richard J., Barborton, Ohio. Quick action switch. 2,449,109, Sept. 14.
- Donahue, John S., Brookline, Mass., and G. E. Strehan, Leonia, N. J.; said Strehan assignor to said Donahue. Building column. 2,439,129, Apr. 6.
- Donahue, Joseph, Shamokin, Pa. Drill chuck. 2,436,881, Mar. 2.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Waste and overflow fitting. 2,444,340, June 29.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sink strainer valve and operating mechanism therefor. 2,450,392, Sept. 28.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sink strainer valve and operating mechanism therefor. 2,450,393, Sept. 28.
- Donal, John S., Jr., B. B. Brown, and C. L. Cuccia, Princeton, N. J., assignors to Radio Corporation of America. Electron discharge device of the magnetron type. 2,440,851, May 4.
- Donal, John S., Jr., and H. R. Hegbar, Princeton, N. J., assignors to Radio Corporation of America. Coupling device for high-frequency apparatus. 2,442,118, May 25.
- Donal, John S., Jr., B. B. Brown, and C. L. Cuccia, Princeton, N. J., assignors to Radio Corporation of America. Cavity resonator magnetron and strapping arrangements therefor. 2,443,445, June 15.
- Donaldson, Eleanor, and J. Gibney; said Gibney assignor to Munsingwear, Inc., Minneapolis, Minn. Undergarment for ladies or children. 2,437,511, Mar. 9.
- Donaldson, Frank Y., Burbank, Calif. Intermittent flow device. 2,440,006, Apr. 20.
- Donaldson, Henry V., Glencoe, Ill., assignor to The Munising Paper Company, Munising, Mich. Treated paper liner for adhesive rolls. 2,450,083, Sept. 28.
- Donaldson, Jack D., Tacoma, Wash. Maximum load indicating gauge. 2,450,644, Oct. 5.
- Donaldson, James E., Columbus, Ohio. Holder. 2,455,857, Dec. 7.
- Donaldson, Robert R.: *See*—
Markson, Alfred A., and Donaldson.
- Donat, John F., Euclid, Ohio. Air filter. 2,453,206, Nov. 9.
- Doney, William A., Portland, Ore. Structural addition member for converting single pane window sashes into double pane sashes. 2,436,037, Feb. 17.
- Donicht, Harry L., E. F. Fischer, and E. B. Baldrige, Dayton, Ohio. Automatic compensating gun control system. 2,438,905, Apr. 6.
- Doniger, David D., & Company, assignee: *See*—
Sturz, Bernard V.
- Donkersley, Albert E., and J. R. Welshman, Cranston, assignors to Grinnell Corporation, Providence, R. I. Spring hanger. Re. 22,980, Mar. 9.
- Donkin, William F., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery handle and hold-down bracket. 2,453,835, Nov. 16.
- Donleavy, John J., Montclair, N. J., and M. M. Baizer, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation. Alkylation of benzene by long chain polymeric olefins using sulfuric acid catalyst. 2,439,457, Apr. 13.
- Donley Brothers Company, The, assignee: *See*—
Donley, George W.
- Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Roof ventilator. 2,447,472, Aug. 17.
- Donley, Hugh L.: *See*—
Carlson, Wendell L., and Donley.
- Donnell, Lloyd H., Chicago, Ill., and E. L. Shaw, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Airship. 2,451,815, Oct. 19.
- Donnelly, Daniel, Milwaukee, assignor to Universal Milking Machine Company, Waukesha, Wis. Spray cooling apparatus for milk cans. 2,455,162, Nov. 30.
- Donnelly, Emmett, administrator, assignee et al.: *See*—
Thorp, Clark E., and Anderson.
- Donnelly, Thomas, Wilmington, Calif. Multiple blade hacksaw. 2,450,942, Oct. 12.
- Donnelly, Thomas S., Detroit, Mich. Electrode holder. 2,449,370, Sept. 14.
- Donnenwirth, Harold A.: *See*—
Geiger, George M., and Donnenwirth.
- Donner, Carl H., Summit, assignor to The Chapal Donner Corporation, Newark, N. J. Fur pelt or skin stretching apparatus. 2,439,419, Apr. 13.
- Donner, Verne P., Palatine, assignor to Mid-Continent Metal Products Co., Chicago, Ill. Pipe coupling. 2,457,648, Dec. 28.
- Donohoo, Marvin L., Pearl, Ill. Press. 2,434,036, Jan. 6.
- Donohue, Frank L.: *See*—
Schneider, Gerhard G., and Donohue.
- Donovan, Arthur B., Newton Center, Mass. Catamenial tampon. 2,440,141, Apr. 20.
- Donovan, John T.: *See*—
Swalinskovich, Joseph E., Jr., and Donovan.
- Donovan, Karl, Wichita, Kans. Tricycle vehicle. 2,434,759, Jan. 20.
- Donovan, Lewis B., White Plains, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Painting of gas holders. 2,451,158, Oct. 12.
- Dons, Eddie M., Tulsa, and J. V. Stevens, Oakhurst, Okla. Pipe coupling. 2,437,083, Mar. 2.
- Dons, Eddie M., Tulsa, and J. V. Stevens, Oakhurst, Okla. Pipe coupling. 2,455,658, Dec. 7.
- Dooley Bros., assignee: *See*—
Fellay, Louis J., and Kavanaugh.
- Dooley, James J., assignee: *See*—
Dooley, John T.
- Dooley, John T., assignor to J. J. Dooley, Buffalo, N. Y. Window screen alarm. 2,443,533, June 15.
- Doolittle, Donald B., Barleville, Md., assignor to All American Aviation, Inc., Wilmington, Del. Aircraft launching system. 2,443,308, June 15.
- Doolittle, Howard D.: *See*—
Bettler, Philip, and Doolittle.
- Doonan, Everett R., Wichita, Kans. Locking screw. 2,448,213, Aug. 31.

- Doppelheuer, Frank P., assignor to one-half to J. D. Doppelheuer, Connellsville, Pa. Bottle carrier. 2,447,934, Aug. 24.
- Doppelheuer, James D., assignee: *See*—
Doppelheuer, Frank P.
- Doppelt, Max J., Chicago, Ill. Smoking device. 2,440,396, Apr. 27.
- Doran Brothers Incorporated, assignee: *See*—
Schultze, Paul.
- Dorf, Marvin L.: *See*—
Carter, Raymond S., and Dorf.
- Dorfman, Leslie: *See*—
Bouwer, Adam B., and Dorfman.
- Dorfman, Louis: *See*—
Bernstein, Seymour, and Dorfman.
- Dorfman, Louis, New York, and S. Bernstein, Pearl River, assignors, by mesne assignments to American Cyanamid Company, New York, N. Y. Enol-thioethers of keto-steroids and preparing the same. 2,451,434, Oct. 12.
- Dorgelo, Eduard G., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube with partially coated grid. 2,437,941, Mar. 16.
- Dorgin, Abraham L., New York, N. Y. Inner sole. 2,451,929, Oct. 19.
- Dorian, Rudolph P., Wichita Falls, Tex. Pipe grinder. 2,455,742, Dec. 7.
- Dorjée, Hendrik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Insulating support for electric wiring. 2,456,259, Dec. 14.
- Dorkin, Jess J., Brooklyn, N. Y. Necktie forming device. 2,450,471, Oct. 5.
- Dorman, Edward A., New Rochelle, N. Y. Machine tool adapter. 2,449,284, Sept. 14.
- Dorman & Smith Limited, assignee: *See*—
Lund, Jack.
- Dormeyer, A. F., Mfg. Co., assignee: *See*—
Strauss, Alfred, Feltman, Hunt, and Harbaugh.
- Dorn, Roy L., Riverdale, Calif. Tool post assembly for machine tools. 2,435,303, Feb. 3.
- Dorne, Arthur, Mineola, N. Y., assignor to United States of America as represented by the Secretary of War. Beam intensity control. 2,448,299, Aug. 31.
- Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Step-by-step molding of extensive articles. 2,456,113, Dec. 14.
- Dorr Company, The, assignee: *See*—
Scott, Charles H.
Scott, Charles H., and Graner.
- Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Lighter shell and making same. 2,454,998, Nov. 30.
- Doss, Odie E., Sycamore, Va. Stop motion for looms. 2,444,285, June 29.
- Dostal, Joseph B., Kansas City, Mo. Folding infant-carrying vehicle. 2,456,932, Dec. 21.
- Doty, Irving R., Cranford, N. J. Poultry and small livestock feeder. 2,441,959, May 25.
- Doty, Spencer W.: *See*—
Arnesen, Walter A., Hertweck, and Doty.
- Doucet, John B., Chicago, Ill. Thimble. 2,435,877, Feb. 10.
- Doucette, Edmund, assignor to The Daven Company, Newark, N. J. Attenuator. 2,438,431, Mar. 23.
- Doucette, Edmund, assignor to The Daven Company, Newark, N. J. Attenuator. 2,439,160, Apr. 6.
- Doucette, John J., Malden, Mass. Reversible pipe bender with detachable side abutment member. 2,444,596, July 6.
- Dougherty, John J., assignee: *See*—
Penlon, Hugh F.
- Dougherty, John S., Jackson Heights, N. Y. Apparatus for magnifying the images on television screens. 2,449,886, Sept. 21.
- Doughnut Corporation of America, assignee: *See*—
Arenson, Simon W.
Walsh, James F., Levitt, and Goodman.
- Doughty, Howard W., Jr.: *See*—
Davis, Edward E., and Doughty.
- Doughty, Howard W., Jr., assignor to Foster Machine Company, Westfield, Mass. Yarn winding mechanism. 2,436,559, Feb. 24.
- Douglas Aircraft Company, Inc., assignee: *See*—
Adams, Harold W., and Wheelon.
Berglund, Harold R.
Coates, J. Edwin.
Del Mar, Bruce E.
Farr, Alton E.
Klemperer, Wolfgang B., and Pier.
Mayo, Alfred M.
Reaser, Wilbur W.
Rechton, George D.
Rechton, George D., Ward, and Watson.
Smithson, James S.
Tuttle, Eugene F.
Van Dyke, Edward E., and Kerr.
Van Dyke, William D., and Dennis.
- Douglas, Frank: *See*—
Schebler, Carl L., Douglas, and Clasquin.
- Douglas, H. A., Mfg. Co., assignee: *See*—
Baumgardner, Earl J.
Kelly, George M.
Penfold, Charles S.
- Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Vane type hydraulic motor. 2,453,309, Nov. 9.
- Douglas, John G., Aberfeldy, Scotland. Mechanism for transforming linear movement of one member into arcuate or angular movement of another member or vice-versa with particular reference to screw and nut type steering gears. 2,446,911, Aug. 10.
- Douglas, Kenneth F., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter. 2,445,609, July 20.
- Douglas, Louis M.: *See*—
Cook, S. S., and Douglas.
- Douglas, Louis R., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controllers. 2,436,102, Feb. 17.
- Douglass, Porter D., Oakland, Calif. Motor vehicle front wheel lubrication device. 2,457,537, Dec. 28.
- Douglass, Roy D., Minneapolis, Minn. Case for drills. 2,437,595, Mar. 9.
- Doumani, Thomas F., Long Beach, and J. F. Cuneo, assignors to Union Oil Company of California, Los Angeles, Calif. Ketone production. 2,438,334, Mar. 23.
- Doumani, Thomas F., and D. A. Skinner, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Acetylene removal process. 2,441,400, May 11.
- Dourte, George J., Denver, Colo. Auxiliary safety wheels for use on automobiles and trucks. 2,452,110, Oct. 26.
- Doussain, Robert, Villerubane, France. Device for regulating the pitch of two counterrotating coaxial propellers. 2,455,239, Nov. 30.
- Douthat, Edward M., and E. Esson, assignors to Locke Stove Company, Kansas City, Mo. Space heater and heat output indicator therefor. 2,435,342, Feb. 3.
- D'Ouville, Edmond L.: *See*—
Evering, Bernard L., and D'Ouville.
- D'Ouville, Edmond L., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Production of branched chain paraffin hydrocarbons. 2,443,606, June 22.
- D'Ouville, Edmond L., Chicago, Ill., and D. E. Burney, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Sulfonation process. 2,450,585, Oct. 5.
- Dow Chemical Company, The, assignee: *See*—
Amos, James L., Schwegler, and Bezenah.
Amos, James L., and Soderquist.
Barry, Arthur J.
Bender, Harry, Obrecht, and Kling.
Bennett, Wallis R.
Britton, Edgar C.
Britton, Edgar C., and Dietzler.
Britton, Edgar C., and Hansen.
Britton, Edgar C., and Livak.
Britton, Edgar C., and Sexton.
Cardwell, Paul H., and Eilers.
Cornell, Robert C.
Dahl, Alvin D.
Davidson, John H.
Davis, Clyde W., Dirstine, and Brown.
De Long, Herbert K.
Dieter, Curtis E., and Thiegs.
Dreisbach, Robert R.
Dreisbach, Robert R., and Heusted.
Dulmage, Frederick E.
Fitzgerald, Charles D., and Lynn.
Gerould, Charles H., and Woodland.
Graham, Joseph P., and Hearn.
Havens, Carl B.
Haynes, James D.
Heitz, Robert G., and Brown.
Heitz, Robert G., and Oldershaw.
Heusted, George B., and Bauman.
Hill, Howard W., and Dance.
Hornbacher, Herbert G., and Bauman.
Houtman, Thomas, Jr.
Irons, Carroll R.
Irons, Carroll R., and Sanford.
Kagy, John F., and McPherson.
Lehnard, Philip J., Jr.
Livak, John E., and Murray.
McIntire, Otis R.
Meyer, Frederick J.
Nutting, Howard S., and Sexton.
Pelton, Earl L., and Hutchenreuther.
Pletcher, Donald E., and Nutting.
Reinhardt, Robert C.
Robinson, Harold A.
Sexton, Arthur R.
Sexton, Arthur R., and Alquist.
Stanton, George W.
Stanton, George W., and Lowrey.
Stephenson, Wilbur T.
Thayer, Gordon B., and Lowry.
Wiley, Ralph M., and Dettmer.
Young, Arthur E., and Bacon.
- Dow Corning Corporation, assignee: *See*—
Collings, William R., Fenn, and Fletcher.

- Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Circuit for improving oscillator stability. 2,452,912, Nov. 2.
- Dowd, Frank, Belleville, and W. J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,436,423, Feb. 24.
- Dowe, Leo H., St. Louis, Mo. Dial indicator mount for slide calipers. 2,447,612, Aug. 24.
- Dowell, Henry L.: *See—*
Shelton, George I., and Dowell.
- Dowell, Henry L., assignor of one-half to L. Barron, Athens, Tex. Envelope opener. 2,435,271, Feb. 3.
- Dowell, John H., London, R. S. Sternberg, Ilford, and T. Curson, Foleshill, Coventry, assignors to Alfred Herbert Limited, Coventry, England. Optical projection dividing head. 2,437,807, Mar. 16.
- Dowless, William B., Abbottsburg, N. C. Oil burner for tobacco drying and curing means. 2,444,814, July 6.
- Downes, John M.: *See—*
Prevost, Gerard T., and Downes.
- Downey, Lewis W., Oak Park, Ill. Power shutoff and signalling apparatus. 2,435,343, Feb. 3.
- Downie, Emerson G., Port Wayne, Ind., assignor to General Electric Company. Electronic counter device. 2,436,637, Feb. 24.
- Downing, Douglas C.: *See—*
Wright, George F., Richmond, and Downing.
- Downing, Frederick B., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,442,200, May 25.
- Downing, Rexford D.: *See—*
Pool, Stuart D., and Downing.
- Downing, Rexford D., Rock Island, Ill., assignor to International Harvester Company. Brake pedal lock. 2,450,943, Oct. 12.
- Downs, Alfred Buckingham, Jr., Columbus, Miss. Calculating device. 2,436,352, Feb. 17.
- Downs, Austin H., Glen Ridge, assignor to Eclipse Air Brush Co., Newark, N. J. Mechanical agitator. 2,434,312, Jan. 13.
- Downs, Charles R., Old Greenwich, Conn. Recovering molten phthalic anhydride. 2,441,873, May 18.
- Downs, George W., Jr., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Saw-tooth voltage generator. 2,453,787, Nov. 16.
- Downs, Wilson, Shildon, England. Track sanding apparatus for steam locomotives and other power-propelled vehicles. 2,443,380, June 15.
- Dowty, George H., Cheltenham, England. Endless track landing element and mounting the same on aircraft. 2,433,830, Jan. 6.
- Dowty, George H., Cheltenham, England. Sealing washer. 2,455,982, Dec. 14.
- Doxford, William, & Sons Limited, assignee: *See—*
Purdie, William H.
- Doyle, Charles C., Willoughby, Ohio. Adjustable heater support. 2,455,047, Nov. 30.
- Doyle, Charles D., Schenectady, N. Y., assignor to General Electric Company. Making polysiloxane resins. 2,456,627, Dec. 21.
- Doyle, Edgar D.: *See—*
Dike, Paul H., and Doyle.
- Doyle, Frank B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Freezing food. 2,450,645, Oct. 5.
- Doyle, Irvin H., Phoenix, Ariz. Stabilizing control mechanism for model airplanes. 2,454,598, Nov. 23.
- Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera lens mount. 2,456,053, Dec. 14.
- Doyle, Irving W., Massapequa, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Sextant marking device. 2,456,392, Dec. 14.
- Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Curtain for focal plane shutters. 2,456,052, Dec. 14.
- Doyle, Joseph C., Baltimore, Md., assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Carbon pack holder for manifolded typewriters. 2,441,622, May 18.
- Doyle, Nancy, et al., assignee: *See—*
Sharman, Jagan N.
- Doyle & Roth Company, assignee: *See—*
Lea, Edward S.
- Drackett Company, The, assignee: *See—*
Calvert, Francis E.
Calvert, Francis E., and Bury.
Gangloff, Wilmer C.
Hieronymus, Russell H.
- Draeger, Arthur A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovering olefins from a hydrocarbon stream. 2,456,260, Dec. 14.
- Draeger, Arthur A., and C. T. Shewell, Baytown, Tex., assignors to Standard Oil Development Company. Continuously reacting saturated tertiary hydrocarbons and olefines. 2,433,944, Jan. 6.
- Draeger, Arthur A., Baytown, and H. G. Schutze, Goose Creek, Tex., assignors to Standard Oil Development Company. Catalytic polymerization of hydrocarbons. 2,443,817, June 22.
- Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Sink mounting. 2,440,741, May 4.
- Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Hole lapping machine. 2,438,695, Mar. 30.
- Drake, Arthur E., Hockessin, assignor to Hercules Powder Company, Wilmington, Del. Oxidation of an alkali metal salt of dehydroabietic acid. 2,434,643, Jan. 20.
- Drake, Earl D., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator cabinet. 2,442,921, June 8.
- Drake, Edward P.: *See—*
Boyden, Robert E., and Drake.
- Drake, Frederick H., assignor to Aircraft Radio Corporation, Boonton, N. J. Radio tuning mechanism. 2,445,211, July 13.
- Drake, Frederick H., Boonton, N. J. Jib sheet shackle. 2,449,593, Sept. 21.
- Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Remote-control system. 2,440,255, Apr. 27.
- Drake, James W., assignor to Woodward Governor Company, Rockford, Ill. Synchronizing control. 2,444,923, July 13.
- Drake, Robert M., Morrisville, Pa., assignor to Winner Manufacturing Company, Inc., Trenton, N. J. Water ski binding. 2,445,610, July 20.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Heddle frame. 2,445,107, July 13.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Heddle frame. 2,445,108, July 13.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Bobbin handling mechanism. 2,445,998, July 27.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Warp drawing machine. 2,445,999, July 27.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Machine for operating on heddles. 2,457,649, Dec. 28.
- Drane, Phillips B., and C. D. Laidley, Tulsa, Okla. Resilient gauging gate. 2,446,577, Aug. 10.
- Drane, Phillips B., and C. D. Laidley, Tulsa, Okla. Time controlled valve. 2,456,493, Dec. 14.
- Drapeau, Harold B., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Thermostatic liquid controlling device. 2,454,141, Nov. 16.
- Draper Corporation, assignee: *See—*
Budzyrna, Walter J.
Cobb, Leland D.
Nichola, Edward C.
Rogers, Leonard M.
Triff, Emerson B.
Tuten, James M.
- Drautz, Walter G.: *See—*
Huey, William G., and Drautz.
- Dravo Corporation, assignee: *See—*
Dawson, Albert J.
Johnson, Wallace C.
Pietsch, Herman A.
- Drayer, Donald H., Brookmont, Md. Automatic recording stadia instrument. 2,448,965, Sept. 7.
- Dreesse, Delbert B., Larned, Kans. Door lock light. 2,438,847, Mar. 30.
- Dreisbach, Paul F.: *See—*
Hultquist, Martin E., and Dreisbach.
- Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Purification of readily polymerizable vinyl aromatic compounds by distillation. 2,445,941, July 27.
- Dreisbach, Robert R., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Making methyl hydroxy-isopropyl ketone. 2,450,646, Oct. 5.
- Dreisel, William, Lawrence, assignor to Andrews & Goodrich, Inc., Dorchester, Mass. Drying apparatus. 2,439,722, Apr. 13.
- Drennan, Harry E., Hot Springs, Ark., assignor to Phillips Petroleum Company. Solvent extraction of mercaptans. 2,452,040, Oct. 26.
- Drennen, John T., Prospect Hill, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Spinning frame and method. 2,442,761, June 8.
- Dressel, Henry M., assignor to Stackpole Carbon Company, St. Marys, Pa. Condenser. 2,436,208, Feb. 17.
- Dresser Industries, Inc., assignee: *See—*
Newell, Frederick T.
- Dresser, Willis R.: *See—*
Waller, Fred, and Dresser.
Waller, Fred, Dresser, and Swain.
- Dresser, Willis R., Long Hill, Conn. Compensated step-by-step mechanism. 2,447,847, Aug. 24.
- Drettmann, Henry, Detroit, Mich. Loading device. 2,437,808, Mar. 16.
- Drew, E. F., & Co. Inc., assignee: *See—*
Barsky, George.
Pollack, Maxwell A.
- Drew, Edwin H.: *See—*
Brown, William V., and Drew.

- Drew, Robert D.: *See*—
Eastwood, Sylvander C., and Drew.
Payne, John W., Hornberg, and Drew.
- Drewes, Charles H.: *See*—
Busch, Fred W., and Drewes.
- Dreys, Harry E., Ottumwa, assignor of one-half to Flournoy Corey, Cedar Rapids, Iowa. Plucking poultry. 2,444,556, July 6.
- Drexler, Chas. Co., Inc., assignee: *See*—
Brownlee, Dalmat T.
- Dreyer, Albert, assignor to Metallschlauchfabrik A. G., Lucerne, Switzerland. Apparatus for the continual production of electrically welded tubes. 2,451,159, Oct. 12.
- Dreyfus, Camille, New York, N. Y. Stretching of cellulose ester yarn. 2,447,567, Aug. 24.
- Dreyfus, Camille, New York, N. Y., R. D. Rowley and R. F. Thompson, Narrows, Va., assignor to Celanese Corporation of America. Cellulose ester stabilization in anhydrous medium. 2,456,688, Dec. 21.
- Dreyfus, Henry, London, England; Claude Bonard, administrator of said Henry Dreyfus, deceased. Manufacture of compounds containing carbonyl groups. 2,434,313, Jan. 13.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator, assignor to Celanese Corporation of America. Process and apparatus for the melt extrusion of artificial materials. 2,437,685, Mar. 16.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator, assignor to Celanese Corporation of America. Process for the extrusion of fused artificial materials. 2,437,686, Mar. 16.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator, assignor to Celanese Corporation of America. Production of thermoplastic polymeric material. 2,440,256, Apr. 27.
- Dreyfus, Henry, deceased, London, England; C. Bonard, administrator, assignor to Celanese Corporation of America. Improving the fastness of dyed organic derivative of cellulose textiles by impregnation with cyanamide. 2,440,330, Apr. 27.
- Dreyfus, Henry, deceased, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America. Alkylene dihydrazines and production. 2,445,518, July 20.
- Dreyfus, Henry, London, England; C. Bonard, administrator of said H. Dreyfus, deceased, assignor to Celanese Corporation of America. Production of polymers from carbamate and carboxylic compounds. 2,455,983, Dec. 14.
- Dreyfus, Henry, London, England; C. Bonard, administrator of said Henry Dreyfus, deceased, assignor to Celanese Corporation of America. Synthetic polymers of hexadine-1,5. 2,457,306, Dec. 28.
- Dreyfus, Henry, deceased, London, and D. Finlayson and R. G. Perry, Spondon near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Impregnating regenerated cellulose rope. 2,434,912, Jan. 27.
- Dreyfus, Henry, deceased, London, and D. Finlayson and R. G. Perry, Spondon near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Fibrous products. 2,434,913, Jan. 27.
- Dreyfus, Henry, deceased, London, and J. H. Rooney and B. Shaw, Spondon, near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Production of molding powder from a lower aliphatic ester of cellulose. 2,435,999, Feb. 17.
- Dreyfus, Henry, deceased, London, and W. Pool, Spondon, near Derby, England; C. Bonard, administrator, assignors to Celanese Corporation of America. Melt extrusion of artificial filaments, films, and the like and apparatus therefor. 2,437,687, Mar. 16.
- Dries, Jerome F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic switch. 2,444,157, June 29.
- Drieschman, Donald F., San Carlos, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Cathode structure. 2,442,163, May 25.
- Drieschman, Donald F., San Carlos, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electrode mounting structure for electron tubes. 2,446,269, Aug. 3.
- Driggs, Anna P., Colfax, Calif. Bunny-cat. 2,448,087, Aug. 31.
- Driggs, Anna P., Colfax, Calif. Bunny-cat. 2,448,088, Aug. 31.
- Driggs, Frank H., Highland Park, assignor to Faanstel Metallurgical Corporation, North Chicago, Ill. Thermionic device and getter elements therefor. 2,444,158, June 29.
- Drigot, William J.: *See*—
Collins, Ralph D., and Drigot.
- Drije, Miles, Berwyn, Ill. Bracket. 2,450,722, Oct. 5.
- Drinkwater, C. M., & Company, assignee: *See*—
Butler, Burton B.
- Drinkwater Inc., assignee: *See*—
Drinkwater, William S.
- Drinkwater, William S., Chicago, assignor, by mesne assignments, to Drinkwater Inc., Waukegan, Ill. Flexible pipe coupling. 2,437,246, Mar. 9.
- Driscoll, Paul A., assignor to Bendix Aviation Corporation, South Bend, Ind. Sealing arrangement. 2,445,057, July 13.
- Driver, Douglas L. A., assignor to Standard Telephones and Cables Limited, London, England. Manufacture of selenium products. 2,445,768, July 27.
- Driver-Harris Company, assignee: *See*—
German, Howard M.
- Droege, Carl C., Greenfield, Ind. Chimney construction. 2,455,570, Dec. 7.
- Drott, Edward A., and J. H. Kerber, assignors to Hi-Way Service Corporation, Milwaukee, Wis. Excavator. 2,455,474, Dec. 7.
- Drought, Charles W., Berwyn, Ill. Selective gear reduction units. 2,436,746, Feb. 24.
- Drown, William L., Paxton, assignor to Norton Company, Worcester, Mass. Infeed for grinding machines. 2,439,360, Apr. 6.
- Drozinski, Bronislaw J., Cleveland, Ohio. Safety lock for parachute harness. 2,442,119, May 25.
- Druffel, Herman H., Chicago, Ill. Burglar alarm. 2,446,217, Aug. 3.
- Drugmand, Lester D.: *See*—
Cox, Irvin W., and Drugmand.
- Druliner, Joseph M., North Hollywood, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Collator. 2,449,594, Sept. 21.
- Drum, Harry S., and W. C. Dodson, Abington, and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Package extractor. 2,452,638, Nov. 2.
- Drumbeller, Edward L., Buena Vista, Va. Toy gun. 2,437,727, Mar. 16.
- Drumbeller, Edward L., Buena Vista, Va. Rotary magazine for toy guns. 2,437,728, Mar. 16.
- Drummond, Folsom E., Westfield, N. J., assignor to Chemical Developments Corporation, Dayton, Ohio. Forming plastic coating compositions on surfaces. 2,450,503, Oct. 5.
- Drybak Corporation, The, assignee: *See*—
Falcon, Joseph V.
- Dryden, Charles E.: *See*—
Buxton, Loran O., and Dryden.
- Dryden, Nathaniel C., Poughkeepsie, N. Y. Glass building block. 2,449,458, Sept. 14.
- Dryden Rubber Company, assignee: *See*—
Kelly, John H., Jr.
- Dryer, Eldon O., Port Orchard, Wash., assignor to Certain-teed Products Corporation, Chicago, Ill. Apparatus for surfacing sheet material. 2,434,736, Jan. 20.
- Dryer, Eldon O., Richmond, and A. H. Meisenheimer, Jr., Berkeley, Calif. Apparatus for rolling steel barrel chimes. 2,449,206, Sept. 14.
- Dual Valve Company, assignee: *See*—
Wheeler, Harry N.
- Dube, Aimee J., Troy, N. Y. Toy. 2,451,542, Oct. 19.
- Dube, John E., Clayton, assignor to Alco Valve Company, University City, Mo. Regulator valve having a capillary tube expansion passage. 2,452,441, Oct. 26.
- Dubilier, William: *See*—
Rossi, Irving, and Dubilier.
- Dubilier, William, New Rochelle, N. Y., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Container and terminal for electrical devices. 2,436,857, Mar. 2.
- Dubilier, William, New Rochelle, N. Y., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. High-voltage terminal. 2,450,273, Sept. 28.
- Dubin, Lester: *See*—
Grieg, Donald D., Frum, and Dubin.
- Dubin, Lester, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon transmitter. 2,444,431, July 6.
- Du Bois, George B., Radburn, N. J., assignor to Wright Aeronautical Corporation. Attaching means. 2,439,161, Apr. 6.
- Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Switch construction. 2,436,689, Feb. 24.
- Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Windrotor. 2,436,747, Feb. 24.
- Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Attachment for trailer boat caster units. 2,455,048, Nov. 30.
- Ducey, Francis E., Midland, Mich. Infant's chair. 2,451,667, Oct. 19.
- Duckenfield, Horace, San Francisco, Calif. Combination flush and storage tank for toilets or the like. 2,434,399, Jan. 13.
- Ducruet, Arthur J., Paris, France. Protection device for electric batteries. 2,441,348, May 11.
- Dudderar, Derother H.: *See*—
Schneider, Paul L., and Dudderar.
- Dudis, Charles G.: *See*—
Carter, Elmer C., and Dudis.
- Dudrick, Stanley F., Nanticoke, Pa. Tool guide. 2,448,361, Aug. 31.
- Duebener, Lydia, assignee: *See*—
Slindee, Richard O.
- Duefrene, George, Monroe, Conn. Handle, knob, and mounting structure. 2,440,170, Apr. 20.
- Duemler, Virgil E., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pumping unit. 2,447,744, Aug. 24.
- Duennebie, Fred C.: *See*—
Dickey, Joseph B., and Duennebie.

- Duerk, Karl A., assignor to The American Steel Package Company, Defiance, Ohio. Condenser structure. 2,456,114, Dec. 14.
- Dufaux, Marie-Marguerite, Geneva, Switzerland. Bicycle handle. 2,438,657, Mar. 30.
- Duff-Norton Manufacturing Company, The, assignee: *See*—
Schwerin, Frank H.
- Duffey, Dick, La Fontaine, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing calcium hydrides by distillation. 2,452,913, Nov. 2.
- Duffin, Walter M., Dartford, and S. Wilkinson, Beckenham, England, assignors to Therapeutic Research Corporation of Great Britain, Limited. Resolution of N-formylisopropylidene-penicillamine. 2,450,784, Oct. 5.
- Duffy, James J.: *See*—
Brownson, George T.
- Duffy, Philip A., Jr.: *See*—
Lee, Reuben, and Duffy.
- Duffy, Thomas I., assignor to Anderson-Bolling Mfg. Co., Grand Haven, Mich. Brake for wagons. 2,453,363, Nov. 9.
- Dufour, Léon, Geneva, Switzerland. Steering means for vehicles. 2,453,417, Nov. 9.
- Dugas, Joseph J., assignor to Higgins Industries, Inc., New Orleans, La. Dual throttle control for internal-combustion engine power plants. 2,434,489, Jan. 13.
- Dugas, Joseph J., assignor to Higgins Industries, Inc., New Orleans, La. Clutch mechanism. 2,438,157, Mar. 23.
- Duggan, Fred W., Bound Brook, N. J., assignor to Bakelite Corporation. Resin coated fiber base and making. 2,444,094, June 29.
- Duggan, William H., Chicago, Ill. Measuring device with gravity operated valves. 2,438,002, Mar. 16.
- Duhaime, Marshall D., White Plains, N. Y. Hydraulic wheel drive. 2,438,040, Mar. 16.
- Duhaime, Sidney J., and C. V. Butler, Los Angeles, Calif. Clothesline reel. 2,456,115, Dec. 14.
- Duis, Troy F., and W. H. Moerchen, Streator, Ill. Damper control. 2,441,803, May 18.
- Duke, James B., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Making of barite concentrates useful in drilling muds. 2,442,120, May 25.
- Duke University, Incorporated, assignee: *See*—
Humm, Harold J.
- Duke, Vernon J.: *See*—
Goodale, Elmer D., and Duke.
- Dulmage, Frederick E., Saginaw, assignor to The Dow Chemical Company, Midland, Mich. Mixing torpedo for plastics extruders. 2,453,088, Nov. 2.
- Dulong, Roger K., assignor to Carter Carburetor Corporation, St. Louis, Mo. Governor. 2,450,037, Sept. 28.
- Duma, Stephen, Staten Island, N. Y. Electrical facial mask. 2,434,198, Jan. 6.
- Du Mais, Leo J.: *See*—
Heck, John T., and Du Mais.
- Dumelin, Charles, Detroit, Mich. Toe coupling for artificial feet. 2,445,910, July 27.
- Dummett, George A.: *See*—
Ralph, Sydney J., and Dummett.
- Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Atwood, Horace, Jr.
Beste, Harold E.
Campbell, Richard L.
Cavanagh, Robert T.
Christaldi, Peter S.
Cramer, Leonard F.
Feldt, Rudolf, and Berkley.
Goldsmith, Thomas T., Jr., and Mann.
Knoop, Walter A., Jr.
Koch, Stanley J.
Koch, Stanley J., and Leighton.
Koch, Stanley J., and Rutherford.
Leet, Harold A., and Sectish.
MacAule, Robert I.
Mann, Estle R., and Goldsmith.
Mann, Estle R., and Spector.
Owen, Robert P.
Pohle, Eric.
Pohle, Eric, Rutledge, and Lempert.
Puckette, Charles, Jr.
Puckette, Charles M., Jr.
Rutherford, Robert E.
Sayer, William H.
Tidlik, Stephen, and Steadman.
- Du Mont, Frank J., and D. H. Sargent, Philadelphia, Pa., assignors to Du Mont, Sargent and Casper, a partnership composed of F. J. Du Mont, D. H. Sargent, and J. E. Casper. Dancing tap. 2,443,609, June 22.
- Du Mont, Frank J., and D. H. Sargent, Philadelphia, Pa., assignors to F. J. Du Mont, D. H. Sargent, and J. E. Casper, doing business as Du Mont, Sargent and Casper. Dancing tap. 2,443,727, June 22.
- Du Mont, Sargent and Casper: *See*—
Du Mont, Frank J., and Sargent.
- Dumore Company, The, assignee: *See*—
Blumink, Gary G.
- Dunajeff, Leonid A., Havre de Grace, Md. Synchronized motor control. 2,451,930, Oct. 19.
- Dunbar, Alver: *See*—
Woodberry, David L., Howerton, and Dunbar.
- Dunbrook, Alexander J., Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear and heel therefor. 2,453,002, Nov. 2.
- Duncan, Bartow B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making hollow propeller blades. 2,442,641, June 1.
- Duncan, Daniel D., Glendale, Calif. Lacing punch. 2,447,237, Aug. 17.
- Duncan, Douglas R., Gibbstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying of sodium nitrite to obtain a relatively non-caking granular form. 2,456,393, Dec. 14.
- Duncan, Gordon W.: *See*—
Zimmer, John C., and Duncan.
- Duncan, Gordon W., Westfield, N. J., assignor to Standard Oil Development Company. Rust preventive lubricating oil compositions. 2,434,490, Jan. 13.
- Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Oily composition. 2,455,659, Dec. 7.
- Duncan, J. Edgar, assignee: *See*—
Roop, Elston A.
- Duncan, John K., Evanston, Ill. Vaporizer. 2,443,417, June 15.
- Duncan, Lane, Los Angeles, Calif. Grinding apparatus and process. 2,436,252, Feb. 17.
- Duncan, Robert: *See*—
McLaurin, Thomas G., and Duncan.
- Duncan, Theodore R., North Hollywood, Calif. Salt shaker. 2,439,799, Apr. 20.
- Dunklee, Allen D., Bowesmont, N. Dak. Log sawing attachment for tractors. 2,436,504, Feb. 24.
- Dunfee, H. Calvin, Miami, Fla. Game apparatus. 2,450,125, Sept. 28.
- Dunfee, Hod C., Miami, Fla. Golf game and instructional apparatus. 2,453,745, Nov. 16.
- Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Pad support for shoe presses. 2,437,942, Mar. 16.
- Dungan, Merrill R.: *See*—
Bryant, Newton W., Crump, Dungan, and Strand.
- Dunham, Charles G. H. F.: *See*—
Lewis, Thomas M., Rounce, and Dunham.
- Dunham, Frank, assignor of fifty per cent to J. F. McCarthy, Grand Island, Nebr. Soldering gun. 2,452,360, Oct. 26.
- Dunham, George W., assignor to R. R. Dunham, Westport, Conn. Toaster. 2,447,641, Aug. 24.
- Dunham, James V.: *See*—
Smith, Herschel, Dunham, and Turnbull.
- Dunham, Le Roy S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Protective gas-permeable container for air-depolimerized cells. 2,437,422, Mar. 9.
- Dunham, Le Roy S., East Orange, and E. O. Jegge, Glen Ridge, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Alkaline primary battery. 2,450,472, Oct. 5.
- Dunham, Ruth R., assignee: *See*—
Dunham, George W.
- Dunipace, Donald W.: *See*—
Fowler, Ival G., and Dunipace.
- Dunker, Harvey L.: *See*—
Buente, Willard H., and Dunker.
- Dunkelberger, George F., Yeadon, and C. A. Schehl, Manoa, Pa., assignors to General Electric Company. Wire cleat. 2,438,362, Mar. 23.
- Dunkin, Albert, assignor to Petersen Showcase & Fixture Company, Los Angeles, Calif. Adjusting connection for pump plungers or the like. 2,443,555, June 15.
- Dunkley, Melville E., Modesto, Calif. Treatment of green peas. 2,437,155, Mar. 2.
- Dunkley, Melville E., Vernalis, Calif. Food treatment process. 2,440,676, May 4.
- Dunlap, Henry L., Dearborn, Mich. Softball kit. 2,457,454, Dec. 28.
- Dunlap, Orville H., Vashon, Wash. Universal bumper clamp. 2,446,218, Aug. 3.
- Dunlavy, Robert J., assignor to Ampro Corporation, Chicago, Ill. Film guiding and retaining mechanism. 2,443,950, June 22.
- Dunlop, Andrew P., Riverside, assignor to The Quaker Oats Company, Chicago, Ill. Conversion of maleic acid to fumaric acid. 2,441,238, May 11.
- Dunlop, Andrew P., Riverside, Ill., and E. A. Reineck, Appleton, Wis., assignors to The Quaker Oats Company, Chicago, Ill. Furfuryl alcohol-phenolic resins. 2,453,704, Nov. 16.
- Dunlop, Andrew P., Riverside, Ill., and E. A. Reineck, Appleton, Wis., assignors, to The Quaker Oats Company, Chicago, Ill. Condensation of polymerized furfuryl alcohol with an hydroxybenzene. 2,456,628, Dec. 21.
- Dunlop, Donald E., San Pedro, Calif. Coffee percolator. 2,455,660, Dec. 7.
- Dunlop, James, Ridgewood, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gear mechanism. 2,436,798, Mar. 2.
- Dunlop, Richard D., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition comprising a polyvinyl acetal resin stabilized with a basic alkali metal compound and an amine salt. 2,436,253, Feb. 17.

- Dunlop, Richard D., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl butyral composition. 2,453,308, Nov. 9.
- Dunlop Rubber Company Limited, assignee: *See*—
Butler, Henry J.
Illingworth, James W.
- Dunlop Tire & Rubber Corporation, assignee: *See*—
Illingworth, James W., and Pickup.
- Dunmire, Russell P., Orange, Ohio. Process of and apparatus for filtering materials. 2,442,234, May 25.
- Dunmire, Russell P., Orange, Ohio. Freezing liquid and apparatus therefor. 2,447,170, Aug. 17.
- Dunmore, Francis W.: *See*—
Diamond, Harry, Dunmore, and Hinman.
- Dunn, Cecil G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,461, Dec. 14.
- Dunn, Edward J., West Mifflin, Pa., assignor to Carnegie-Illinois Steel Corporation. Spectrographic pin stand. 2,438,158, Mar. 23.
- Dunn, George B., Schenectady, N. Y., assignor to General Electric Company. Web break detector. 2,451,816, Oct. 19.
- Dunn, George E., Dearborn, assignor to Universal Products Company, Incorporated, Detroit, Mich. Installing boots on universal joints. 2,442,640, June 1.
- Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Method and apparatus for orienting, peeling, halving, and coring pears. 2,447,640, Aug. 24.
- Dunn, Harold E., Corpus Christi, Tex. Wind driven helicopter kite. 2,442,846, June 8.
- Dunn, Harold E., Corpus Christi, Tex. Flying toy. 2,445,611, July 20.
- Dunn, Herman J., New Haven, Conn. Brush support. 2,452,025, Oct. 19.
- Dunn, James C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Resistance-capacitance type oscillator. 2,439,245, Apr. 6.
- Dunn, John: *See*—
Callaway, Clarence R., and Dunn.
Thomas, Asa E.
Vroom, Robert C., and Dunn.
- Dunn, Martin G., Washington, D. C. Lithographic plate graining machine. 2,457,452, Dec. 28.
- Dunn, Martin G., Washington, D. C. Multiple clamp for lithographic plate graining machines. 2,457,453, Dec. 28.
- Dunn, Roland H.: *See*—
McWhirter, Eric M. S., and Dunn.
- Dunn, William D., Linden, N. J. Holder for whetstones. 2,453,207, Nov. 9.
- Dunn, William T.: *See*—
Neracher, Carl A., and Dunn.
Neracher, Carl A., Dunn, Iavelli, and Syrovoy.
- Dunne, James J., Westport, Conn., and O. S. Tuttle, New Rochelle, assignors to United States Plywood Corporation, New York, N. Y. Process for manufacturing plywood tubing. 2,449,526, Sept. 14.
- Dunning, John E. P.: *See*—
Armstrong, George J., Naylor, and Dunning.
- Dunning, John W., and E. C. Lathrop, Peoria, Ill., assignors to The United States of America as represented by the Secretary of Agriculture. Saccharifying plant materials. 2,450,586, Oct. 5.
- Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for sealing cartons by suction. 2,435,878, Feb. 10.
- Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,442,079, May 25.
- Dunsford, Ernest G.: *See*—
Osborne, Ronald R., and Dunsford.
- Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, Westcott, Dorking, Surrey, England. Buoyant electric cable. 2,453,418, Nov. 9.
- Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Buoyant electric cable. 2,453,419, Nov. 9.
- Dunsheath, Percy, Abinger, and W. C. Barry, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Buoyant electric cable. 2,453,420, Nov. 9.
- Dunson, William M., Welska, Fla. Baby dining-play table. 2,454,599, Nov. 23.
- Dunton, Charles H., Oakland, Calif. Shield for transformers. 2,451,324, Oct. 12.
- Dunville, John G., assignor to Sears, Roebuck and Co., Chicago, Ill. Thermostatic damper control. 2,437,878, Mar. 16.
- Dupler, Raymond R., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Feed valve. 2,455,240, Nov. 30.
- Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Adjustable chair for gunners. 2,453,208, Nov. 9.
- Duplex Incorporated, assignee: *See*—
Booth, Fred, Jr.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Alderson, Witty L., Jr.
Alfthan, Johannes.
Alles, Francis P.
Arnold, Harold W.
Arnold, Herrick R.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Continued.
Austin, Paul R.
Bake, Louis S.
Bair, Robert R., Benner, and Walker.
Barney, Arthur L.
Barrick, Paul L.
Barrick, Paul L., and Christ.
Barrick, Paul L., and Cramer.
Barrows, Robert S.
Bartlett, Edward F., and Duus.
Batchelder, George W., and Hawkins.
Bechtold, Max F.
Behr, Lyell C., and Schreiber.
Benner, Harry L., and Bair.
Benning, Anthony F., and Park.
Berry, Kenneth L.
Biswell, Charles B.
Blake, Ralph K.
Bousquet, Euclid W.
Bradshaw, William H., and Schmitz.
Bren, Bozotech C., and White.
Brooks, Richard E.
Brondyke, F., and Monier.
Bryant, Harold W.
Buehl, Walter M., and Shepherd.
Burrows, Lawton A., and Fuller.
Cadot, Henry M., and Clark.
Cairns, Theodore Le S.
Cairns, Theodore L., and McQueen.
Cairns, Thomas L., and Joyce, Jr.
Callan, James A.
Callaway, Jack B., and Killian.
Campbell, Kenneth N.
Carlisle, Paul J., and Hinegardner.
Carson, Boyce G.
Cass, Oliver W.
Cass, Oliver W., and Copelin.
Castner, James B.
Cheney, Azro J., Jr.
Clark, William B.
Coffman, Donald D.
Coffman, Donald D., and Ford.
Coffman, Donald D., and Salisbury.
Cole, Paul M.
Conaway, Rollin F.
Condé, George E.
Cooper, Charles W.
Copelin, Harry B.
Cornthwaite, William R., and Elston.
Cramer, Richard D.
Cupey, Martin E.
Cupey, Martin E., and Rothrock.
Dittmar, Harry R., and Strain.
Downing, Frederick B., and Pedersen.
Duncan, Douglas R.
Du Pont, James Q., and Jones.
Ellingboe, Ellsworth K.
Ewing, Alvin L.
Fields, Reuben T.
Filbert, William F.
Flenner, Albert L.
Fletcher, David A., and Renfrew.
Flodin, Nestor W.
Ford, Thomas A.
Ford, Thomas A., and Hanford.
Ford, Thomas A., and Jacobson.
Fox, Arthur L.
Gentner, Edmund J.
Gilbert, Harvey N.
Glick, Charles F.
Goebel, Max T.
Grace, Worthington T., and Muller.
Graham, Boynton.
Graham, Boynton, and Turner.
Gray, Hugh W.
Greenwald, William C.
Gresham, William F.
Gresham, William F., and Brooks.
Gresham, William F., Brooks, and Bruner.
Gresham, William F., and Grigsby.
Gribbins, Myers F.
Grigsby, William E.
Gross, Peter F.
Guenther, Arthur E.
Hager, Glenn F.
Hamblet, Clement H., and McAlevy.
Hanford, William E.
Hanford, William E., and Harmon.
Hanford, William E., and Joyce.
Hanford, William E., and Roland.
Hanford, William E., and Salzberg.
Happoldt, William B., Jr., and Stockfleth.
Hansley, Virgil L.
Hansley, Virgil L., and Bristol.
Harmon, Jesse.
Harris, Charles R.
Harris, Charles R., and De Atley.
Herndon, Lee R.
Hill, Frederick B., Jr.
Hitt, Ira V.
Hoehn, Harvey H.
Hoffman, Raymond A.
Holt, Lee C.

Du Pont, E. I., de Nemours & Company, assignee: *See—*
Continued.

Hoover, Fred W.
Howk, Benjamin W., and Jacobson.
Howk, Benjamin W., and Johnston.
Iler, Ralph K.
Iliff, John W., and Torrey.
Jacobson, Henning W.
Jacobson, Ralph A.
Jebens, Walter J.
Jennings, Andrew B.
Johnson, Charles W.
Joyce, Robert M., Jr.
Kamin, Charles G.
Keats, John L., and Peterson.
Keenen, Frank G., and Dodge.
Kirk, Joseph S.
Kirkpatrick, Edward C.
Klabunde, Walter.
Koch, Daniel O.
Kramer, Edward N.
Kraus, Philip B.
Kvalnes, Donovan E.
Kvalnes, Hamline M., and Chance.
Langkammerer, Carl M.
Larson, Alfred T.
Larson, Alfred T., Loder, and Dittmar.
Latham, George H., and Strain.
Laucius, Joseph F., and Williams.
Leach, Elden E., Jr.
Leekley, Robert M.
Lindsey, Richard V., Jr.
Linch, Adrian L.
Livingston, Herbert K.
Loder, Donald J.
MacDougall, Keith K., and Labash.
Matsen, Morris, and Jones.
McGrew, Frank C.
McQuaid, Howard S.
McQueen, David M., and Weaver.
Mehler, Albert J., Jr.
Miller, Charles F.
Miller, Henry C.
Miller, Henry C., and Pratt.
Millhiser, Frederick R.
Mochel, Walter E.
Moore, Maryalice C.
Mortenson, Carl W.
Mowery, Dwight F., Jr.
Murphy, Clyde G., and Sermattei.
Neal, Arthur G., and Verbanc.
Nicholes, Postell M., and Taylor.
Nichols, James B.
Noakes, Henry F., and Martyn.
Norton, James A.
Nutting, Robert D.
Olson, Carl M.
Farmerlee, Alfred E.
Paylic, Albert A.
Pedersen, Charles J.
Peterson, James H.
Pinkney, Paul S.
Plass, Curtis E., and Sullivan.
Pinkney, Paul S.
Pitzl, Gilbert.
Pratt, Burt C.
Prichard, William W.
Raasch, Maynard S.
Ramler, Edward O.
Rarick, Morgan J.
Renfrew, Malcolm M.
Richter, Henry J.
Roedel, Milton J.
Roland, John R.
Rosenberg, Hans R.
Rosenberg, Hans R., and Woessner.
Ross, Wilbur N.
Rossander, Swanie S., Sparks, and Maynard.
Rostler, Fritz S., and du Pont.
Salisbury, Leroy F.
Salzberg, Paul L., and Signalgo.
Sauer, John C.
Schmidt, Edgar H.
Schneider, Allan K.
Schreiber, Richard S.
Schroeder, Herman E.
Schulze, Ferdinand.
Scott, Samuel L.
Searle, Norman E.
Sharkey, William H.
Shattuck, Morris T.
Seney, John S.
Siegel, Alfred.
Signalgo, Frank K.
Silverman, Shirleigh.
Smith, Albert F.
Spraks, Chiles E., Libby, and Trepagnier.
Stamatoff, Gelu S.
Strain, Daniel E.
Swank, Howard W.
Tippetts, Emerson A.
Trepagnier, Joseph H.
Turnbull, Stockton G., Jr.
Upson, Robert W.
Vaala, Gordon T.

Du Pont, E. I., de Nemours & Company, assignee: *See—*
Continued.

Van Etten, Howard A.
Vannoy, Wesley G.
Verbanc, John J.
Vieira, Nicholas R.
Vincent, John R.
Vining, William H., and Cass.
Walker, Isaac F.
Walker, Joseph F.
Walker, Joseph F., and Londergan.
Walker, Kenneth E.
Walling, Cheves.
Walsh, Robert H.
Watkins, William W.
Weber, Arthur G., and Bell.
Weber, Arthur G., and Hamblet.
Wester, Alfred B., Burrows, and Johnson.
White, Jesse O.
Whitman, Gerald M.
Wiley, Richard H.
Wilson, Cyril D.
Yates, Edward S.
Du Pont, Francis G., Utica, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Target throwing device. 2,455,661, Dec. 7.
Du Pont, James Q., Wilmington, Del., and E. R. Jones, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting plug. 2,449,645, Sept. 21.
Du Pont, Mary A., administratrix: *See—*
O'Sullivan, Frederick J., and du Pont.
Du Pont, William B.: *See—*
O'Sullivan, Frederick J., and du Pont.
Du Pras, Louis, Marquette, Mich. Snowplow. 2,436,956, Mar. 2.
Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Crimping tool. 2,457,538, Dec. 28.
Dupuy, Charles F. J., assignor to O-Cedar Corp'n, Chicago, Ill. Ventilating and vaporizing apparatus. 2,441,623, May 18.
Durakool, Inc., assignee: *See—*
Bucklen, Herbert E., III.
Keating, John P., and Weimer.
Du Rall, John H., Mounds, Ill. Pill douser. 2,436,505, Feb. 24.
Durametallie Corporation, assignee: *See—*
Curry, Paul N.
Durand, Francois, Zurich, Switzerland. Graphic calculator. 2,435,133, Jan. 27.
Durand & Huguenin, A. G., assignee: *See—*
Tschan, Ernst.
Durand & Huguenin S. A., assignee: *See—*
Ratti, Roger, and Brandt.
Durant, Albert A., Honolulu, T. H. Clamp. 2,445,475, July 20.
Durant, Lyndon A., and G. Horlick, Chicago, Ill., assignors to Royal Patent Corporation. Ball gate and elevating mechanism. 2,453,976, Nov. 16.
Durant Manufacturing Co., assignee: *See—*
Hennessy, Mark M.
Lawrence, Harold J., and Hennessy.
Durat, Hector, Corona, Long Island, N. Y. Valve grinding machine. 2,438,994, Apr. 6.
Durex Products, Inc., assignee: *See—*
Clark, Joseph F.
Young, Thomas.
Durey, Margaret: *See—*
Kraft, Marie J., and Durey.
Durfee, Olive: *See—*
Adam, John N., Jr., and Durfee.
Duriron Company, Inc., The, assignee: *See—*
Jacobsen, Oystein.
Durkee, E. Leland: *See—*
Jameson, William H., and Durkee.
Durkee, James W.: *See—*
Rusnak, John M., and Durkee.
Duro Metal Products Co., assignee: *See—*
Odum, William H.
Du Rose, Arthur H., Euclid, assignor to The Harshaw Chemical Company, Elyria, Ohio. Acid chloride-fluoride bath for nickel plating. 2,436,690, Feb. 24.
Duro-Test Corporation, assignee: *See—*
Cox, James L.
Simson, Walter H.
Durst, George, assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,434,992, Jan. 27.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Substituted imidazolones and making them. 2,441,933, May 18.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Oxygen analog of biotin and making same. 2,441,934, May 18.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Imidazolones and their manufacture. 2,441,935, May 18.
Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Imidazolones and preparation. 2,441,936, May 18.
Dusinberre, George B., Wichita, Kans. Cane. 2,445,942, July 27.
Dusko, Joseph R., Youngstown, Ohio. Mannequin limb. 2,451,023, Oct. 12.

- Dutch, Emery, New York, N. Y. Method and means for welding pipes and the like. 2,449,371, Sept. 14.
- Dutcher, Harris A., Borger, Tex., assignor to Phillips Petroleum Company. Producing styrene from butadiene. 2,438,041, Mar. 16.
- Dutcher, James D.: *See*—
Wintersteiner, Oskar, and Dutcher.
- Dutrow, Claude H., Frederick, Md. Sportsman's coat. 2,437,223, Mar. 2.
- Duttera, William S., Lynbrook, N. Y., assignor to Radio Corporation of America. Apparatus for detecting variations in load impedances. 2,449,739, Sept. 21.
- Duus, Hans C.: *See*—
Bartlett, Edward P., and Duus.
- Duval, Bruce, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of ethylhexoic acid. 2,444,399, June 29.
- Duval, Bruce, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of ethylhexoic acid. 2,455,241, Nov. 30.
- Duval, Montague H., Great Neck, N. Y. Match pack holder. 2,445,317, July 20.
- Duval, George H., Jr., Los Angeles, Calif. Wheel and tire locking device. 2,453,746, Nov. 16.
- Duval, Harold A.: *See*—
Maechtle, Lawrence G., Duval, and Esler.
- Duval, Samuel, Highland Park, Mich., assignor to Air Reduction Company, Incorporated. Torch cutting machine. 2,443,089, Aug. 31.
- Duval, Walter J., and H. Cordrey, Chula Vista, Calif. Beating and mixing device. 2,448,174, Aug. 31.
- Dwight, Herbert V., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drive for track-laying vehicles. 2,453,209, Nov. 9.
- Dworkin, Nathan, assignee: *See*—
Handler, Harry.
- Dwyer, Harold V., Detroit, Mich. Tablet dispenser. 2,434,993, Jan. 27.
- Dwyer, Martin, Hewlett Bay Park, N. Y. Emergency signaling device. 2,448,521, Sept. 7.
- Dwyer, Martin, Hewlett Harbor, Long Island, N. Y. Emergency day and night signaling device. 2,455,242, Nov. 30.
- Dyblec, Michael, assignor of one-third to A. V. Virostek, Cleveland, and one-third to F. Waskiewicz, Garfield Heights, Ohio. Wear plate for shot blast machines. 2,442,678, June 1.
- Dyduszynski, Adam, Chester, England, assignor to Shell Development Company, San Francisco, Calif. Hydrocarbon conversion. 2,456,557, Dec. 14.
- Dyer, Charles W., Stratton, Maine. Milling attachment for lathes. 2,455,662, Dec. 7.
- Dyer, George, Cheyenne, Wyo. Lamp box type direction signal. 2,453,421, Nov. 9.
- Dyer, Howard J.: *See*—
Simonton, Budd E., and Dyer.
- Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Control for automatic clothes washing machine. 2,434,199, Jan. 6.
- Dyer, John N.: *See*—
Goldmark, Peter C., and Dyer.
- Dyer, John R., Jr., Utica, assignor to The Indium Corporation of America, New York, N. Y. Method for electrolytic deposition of indium and bath therefor. 2,452,361, Oct. 26.
- Dyer, Maurice W., assignee: *See*—
Kitterman, Jesse C.
- Dyestuffs & Chemicals, Inc., assignee: *See*—
Adler, Leon, Johnson, and Schneider.
- Dymond, Frederick I., assignee: *See*—
Minton, Versie R.
- Dyrkacz, Wasil W., Schenectady, N. Y., assignor to General Electric Company. Brazing alloy. 2,456,933, Dec. 21.
- Dysart, Norman R., Riverside, Calif., assignor of thirty-seven and one-half percent to G. L. Fox and thirty-seven and one-half percent to C. F. Smith, Amarillo, Tex. Pressure indicator for pneumatic tires. 2,447,689, Aug. 24.
- Dyson, Louis M., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,457,650, Dec. 28.
- Dyson, William J.: *See*—
Williams, Arthur J., and Dyson.
- Dzurnak, Emil W.: *See*—
Dzurnak, Paul and E. W.
- Dzurnak, Paul and E. W., Oliver, Pa. Protective covering for frame molding. 2,444,286, June 29.
- Dzus, William, West Islip, N. Y. Fastening device. 2,443,309, June 15.
- Eaby, Grace A., assignee: *See*—
Eaby, Paul M.
- Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Temperature control means for calender rolls. 2,435,959, Feb. 17.
- Eaby, Paul M., deceased, by A. V. Urey, Executrix, Lancaster, Pa., assignor to G. A. Eaby. Level winding attachment for reels. 2,445,212, July 13.
- Eaddy, Ernest J., Spartanburg, S. C. Loom battery filling truck. 2,448,300, Aug. 31.
- Eades, John H., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Handling heat-treated rivets. 2,446,166, Aug. 3.
- Eagle, Harold S., Strathfield, near Sydney, New South Wales, Australia. Gearing connecting oppositely rotating shafts. 2,451,723, Oct. 19.
- Eagle, John H., and C. M. Lee, assignors to Eastman Kodak Company, Rochester, N. Y. Process camera lens scale. 2,443,158, June 8.
- Eagle Lock Company, The, assignee: *See*—
Aspenwall, Carl S.
- Eagle Pencil Company, assignee: *See*—
Chesler, Isidor.
- Hanle, Benjamin W.
- Eagle-Picher Company, The, assignee: *See*—
Chubb, Melvin F.
- Harner, Harold R., Lindemuth, and Jones.
- Turbett, Forrest L.
- Turbett, Forrest L., and Stephenson.
- Eagles, Robert P., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Bag feeding apparatus. 2,435,532, Feb. 3.
- Eakin, Edna S. and W. D., Akron, Ohio. Demountable support for garments and the like. 2,440,631, Apr. 27.
- Eakin, Willard D.: *See*—
Eakin, Edna S. and W. D.
- Eakins, John E., Evanston, assignor to J. P. Seeburg Corporation, Chicago, Ill. Multiselective phonograph. 2,438,848, Mar. 30.
- Eakins, Merle M.: *See*—
Fisher, John M., and Eakins.
- Eames, James O., Washington, assignor to R. S. Sanford, Woodbury, Conn. Cartridge feeding device. 2,453,977, Nov. 16.
- Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,447,935, Aug. 24.
- Earhart, Harold W., assignor to Beech Aircraft Corporation, Wichita, Kans. Tension bolt joint. 2,441,188, May 11.
- Earhart, Harold W., assignor to Beech Aircraft Corporation, Wichita, Kans. Aircraft beam chord construction. 2,448,362, Aug. 31.
- Earl, John A., assignor to The Vitro Manufacturing Company, Pittsburgh, Pa. Making ceramic stains. 2,438,335, Mar. 23.
- Earl, Robert J., assignee: *See*—
Dahlander, Noël L.
- Earle, Guyon L. C., Forest Hills, N. Y., assignor to H. S. Wertz, Refrigerator. 2,443,787, June 22.
- Earle, Guyon L. C., Forest Hills, N. Y., assignor to H. S. Wertz, trustee for the beneficiaries of the Earle Patents Trust. Sound deadener device. 2,449,207, Sept. 14.
- Earle Patents Trust, Trustee for the beneficiaries of the: *See*—
Earle, Guyon L. C.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,434,994, Jan. 27.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,435,533, Feb. 3.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, Milwaukee, Wis. Fuse. 2,441,692, May 18.
- Earley, Norman B.: *See*—
Earley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
- Earley, Roy C.: *See*—
Kimball, James L., and Earley.
- Earley, Samuel C. and N. B., E. J. Sanders, W. C. Skareen, R. L. Davies, and J. A. Hughes, Toledo, Ohio, assignors, by mesne assignments, to Evans Products Company, Detroit, Mich. Variable pitch fan blade assembly. 2,437,810, Mar. 16.
- Earley, Vivian H., Lynwood, Calif. Releasing tubing anchor. 2,442,121, May 25.
- Earman, John B., West Palm Beach, Fla. Pontic tooth. 2,437,943, Mar. 16.
- Earp, Charles W., assignor to Standard Telephones and Cables Limited, London, England. Frequency indicating cathode-ray oscilloscope. 2,434,914, Jan. 27.
- Earp, Charles W., assignor to Standard Telephones and Cables Limited, London, England. Radio beacon system for bearing determination. 2,434,915, Jan. 27.
- Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for frequency measurements. 2,457,136, Dec. 28.
- Earp, Charles W., and C. E. Strong, London, W. C. 2, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency system. 2,457,137, Dec. 28.
- Eash, John T., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Gas welding rod. 2,457,215, Dec. 28.
- East Coast Ship Yards, assignee: *See*—
Tenety, Vincent J.
- Easter, Donald P.: *See*—
Bludworth, Joseph E., and Easter.
- Easter, Edward M., Detroit, Mich. Belt buckle. 2,437,729, Mar. 16.
- Easter, William M., Jr.: *See*—
Carpenter, Marion S., and Easter.
- Easterling, Lloyd M.: *See*—
Miller, Julius Z., and Easterling.

- Eastern Air Devices, Inc., assignee: *See*—
Hamilton, Hugh G.
- Eastern Industries, Incorporated, assignee: *See*—
Barker, John L.
- Eastern Specialty Company, The, assignee: *See*—
Fleischmann, Rudolf A. K.
- Eastern Steel Products Limited, assignee: *See*—
Buehler, Allan M.
- Eastes, James A., Mount Comfort, Ind. Wobble basket washing machine. 2,438,273, Mar. 23.
- Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Turbine wheel. 2,435,427, Feb. 3.
- Eastman, Du Bois, Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic synthesis of hydrocarbons with controlled recycle of carbon dioxide. 2,436,957, Mar. 2.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid-pressure-operated mechanism. 2,436,424, Feb. 24.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Safety container for rockets. 2,445,423, July 20.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Dithering valve. 2,450,944, Oct. 12.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid pressure motor. 2,456,689, Dec. 21.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fluid-pressure-operated mechanism. 2,456,690, Dec. 21.
- Eastman, Fred S., Seattle, Wash. Drive mechanism. 2,441,693, May 18.
- Eastman Kodak Company, assignee: *See*—
Aklin, George H.
Allen, Charles F. H., and Bell.
Allen, Charles F. H., Wilson, and Frame.
Altman, Fred E., and McIntyre.
Amering, Charles F.
Bean, Frederic R.
Beguín, Albert E.
Bliss, Lester E.
Bowen, Everette F.
Brice, William L.
Brooker, Leslie G. S.
Brooker, Leslie G. S., and Keyes.
Brown, Fordyce M.
Brown, Morris E., and Lehr.
Burrroughs, Robert E.
Caldwell, John R.
Carroll, Burt H.
Carroll, Burt H., and Staud.
Coit, Ralph S.
Condax, Louis M.
Crumrine, Chester W.
Damschroder, Rudolph E., and Kauffman.
Davey, Edward P., and Knott.
De Paolis, Paul F.
Dickey, Joseph B.
Dickey, Joseph B., Byers, and McNally.
Dickey, Joseph B., and Duennel.
Dickey, Joseph B., and McNally.
Dickey, Joseph B., and Towne.
Eagle, John H., and Lee.
Egan, John F.
Elwood, Calvin A.
Fitch, Harold L.
Fuerst, Carl C.
Glass, Dudley B., Vittum, and Weissberger.
Hagemeyer, Hugh J., Jr.
Hamer, Frances M., and Knott.
Hanson, Wesley T., Jr.
Hanson, Wesley T., Jr., and Farrell.
Harmon, Herbert H.
Harrison, Henry.
Harvey, Douglass C.
Hasche, Rudolph L., and McMahon.
Hicks, Lester M.
Hutchison, Miller R., Jr.
James, Thomas H.
Jelley, Edwin W., and Vittum.
Kenyon, William O., and Unruh.
Knott, Edward B., and Stevens.
Lowe, Wesley G.
Lowe, Wesley G., and Tarkington.
Luboshez, Benjamin E.
MacNelle, Stephen M.
Matthews, Irving C., and Atkins.
Matthews, Irving C., and Lynch.
McNally, James G., and Dickey.
Meyer, Lester W. A.
Meyer, Lester W. A., and Gearhart.
Minsk, Louis M., and Kenyon.
Morris, Reginald B.
Murray, Thomas F., Jr., and Sharrard.
Orser, William D.
Parsons, William F., and Dann.
Porter, Henry D., Weissberger, and Gregory.
Reiss, Max.
Ruggles, Albert C.
Russell, Harold D.
Salo, Martin, and Vivan.
Schade, Willy.
Schubert, Alvin E., and Schnetzer.
- Eastman Kodak Company, assignee: *See*—Continued.
Scully, Herbert G., and McNally.
Silberstein, George F.
Smith, William F., and Trivelli.
Staehle, Henry C.
Stevens, Guy W. W.
Strain, William H., and Dec.
Sun, Kuan-Han.
Sun, Kuan-Han, and Callear.
Tamblyn, John W., and Morey.
Teague, Walter D.
Thuline, Horace C., Parsons, and Waugh.
Tucker, William M.
Turner, John R.
Tuttle, Clifton M.
Tuttle, Clifton M., Kunz, and Brown.
Unruh, Cornelius C., and Kenyon.
Van Derhoef, Henry P., and Davis.
Vittum, Paul W., Weissberger, and Wilder.
Von Bramer, Harold, and Ruggles.
Weissberger, Arnold.
Weissberger, Arnold, Kibler, and Porter.
Weissberger, Arnold, Kibler, and Young.
Weissberger, Arnold, and Porter.
Weyerts, Walter J., and Wiederhold.
Wilson, Charles V.
Yule, John A. C.
- Eastman Oil Well Survey Company, assignee: *See*—
Livingston, Herman G.
Schmidt, Fred H.
Wright, Stanley.
- Easton, Allan, Long Island City, assignor to Emerson Radio and Phonograph Corporation, New York, N. Y. Pulse modulated oscillator. 2,434,400, Jan. 13.
- Easton, Allan, Long Island City, assignor to Emerson Radio and Phonograph Corporation, New York, N. Y. Instrument for measuring rise time of electrical pulses. 2,444,341, June 29.
- Easton, Russell P.: *See*—
Famulener, Keith, and Easton.
- Eastwood, Donald R., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Cutting device. 2,437,295, Mar. 9.
- Eastwood, La Verne W.: *See*—
Kempf, Louis W., and Eastwood.
- Eastwood, Sylvander C.: *See*—
Simpson, Thomas P., and Eastwood.
- Eastwood, Sylvander C., Woodbury, and R. D. Drew, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process and apparatus for the thermal cracking of hydrocarbons. 2,436,254, Feb. 17.
- Eaton, Belden H., Allison Park, Pa. Cooling system leak detector. 2,446,219, Aug. 3.
- Eaton, Bruce G., Jr., Buffalo, N. Y., and R. E. Moses, Jr., Tunkhannock, Pa., assignors to Curtiss-Wright Corporation. Windshield mounting device. 2,447,059, Aug. 17.
- Eaton, Byron G., Seattle, Wash. Computing device. 2,441,261, May 11.
- Eaton, Charles F., Methuen, assignor to Bennett Incorporated, Cambridge, Mass. Liquid measuring, can filling apparatus. 2,441,262, May 11.
- Eaton, Edwin D., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller anti-icer. 2,444,557, July 6.
- Eaton, Ernest E., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,448,872, Sept. 7.
- Eaton, Frank O., Capon Bridge, W. Va. Speed responsive clutch. 2,452,111, Oct. 26.
- Eaton, John, Cheltenham, assignor to S. C. Icke, Solihull, England. Chuck 2,455,663, Dec. 7.
- Eaton, John L.: *See*—
Olin, John F., and Eaton.
- Eaton, John L., Trenton, and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,443,852, June 22.
- Eaton Laboratories, Inc., assignee: *See*—
Stillman, William B., and Scott.
- Eaton, Lewis B., and R. W. Vergobbi, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Producing infusion bags with nontangling handles. 2,457,216, Dec. 28.
- Eaton Manufacturing Company, assignee: *See*—
Clements, William E.
Findley, Howard J.
Hoern, Joseph H.
Hoern, Joseph H., and Archangeli.
Hoern, Joseph H., and Pardee.
Russell, Robert C.
Voorhies, Carl.
Voorhies, Harry E.
Witchger, Eugene S.
- Eaton, Milton, Shawinigan Falls, Quebec, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada. Automatic means for regulating electric steam generators. 2,453,210, Nov. 9.
- Eaton, Milton, Shawinigan Falls, Quebec, assignor to The Shawinigan Water & Power Co., Montreal, Quebec, Canada. Electric steam generator control. 2,453,211, Nov. 9.

- Eaton Pump Manufacturing Company, Inc., assignee: *See—*
 Jones, Guy A.
- Eaton Stamping Company, assignee: *See—*
 Hamman, Lyle J.
- Eaton, Thomas T., Haddon Heights, N. J., assignor to Radio Corporation of America. Pulse-echo motion detector. 2,450,945, Oct. 12.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism for airplane deicers. 2,439,458, Apr. 13.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure servomotor of the follow-up type. 2,441,263, May 11.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,441,264, May 11.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Pressure fluid follow-up servomotor. 2,450,274, Sept. 28.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Control valve mechanism. 2,450,275, Sept. 28.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,451,160, Oct. 12.
- Eaton, Wilfred A., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Combined brake and steering mechanism. 2,454,999, Nov. 30.
- Eaves, Hubert, San Mateo, and P. D. Williams, Palo Alto, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube and making the same. 2,457,651, Dec. 28.
- Eaves Sound Projectors, Inc., assignee: *See—*
 Eaves, William C.
- Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y. Pneumatic sound producing device. 2,434,842, Jan. 20.
- Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., New York, N. Y. Electropneumatic sound reproducer. 2,435,534, Feb. 3.
- Eaves, William C., Elyria, Ohio, assignor to Eaves Sound Projectors, Inc., Dover, Del. Sound projecting apparatus. 2,435,535, Feb. 3.
- Eayrs, Herbert A.: *See—*
 Taylor, Myron L., Pond, and Eayrs.
- Ebaugh, Paul, Cambridge, Mass., assignor to Owens-Corning Fiberglas Corporation. Manufacture of glass fibers. 2,457,775, Dec. 28.
- Ebbbley, Norman E., Jr., Leadville, Colo. Antispill attachment for skis. 2,455,920, Dec. 14.
- Ecbo Manufacturing Company, The, assignee: *See—*
 Love, Lee C., Slaughter, and Orthoefer.
- Ebeling, James A., Charleston, W. Va. Radio position finding system. 2,455,164, Nov. 30.
- Eberhardt, Daniel A., St. Louis, Mo. Locking device for the sliding members of extensible frames. 2,456,054, Dec. 14.
- Eberle, Frank V., Newark, and H. Hansen, Lyndhurst, N. J. Artificial body members. 2,439,507, Apr. 13.
- Eberle, Frank V., Newark, and H. Hansen, Lyndhurst, N. J. Hydraulically operated artificial body member. 2,442,530, June 1.
- Ebersole, George B., Akron, and L. L. Leach, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Material classifier. 2,434,037, Jan. 6.
- Ebert, Henry F., Brooklyn, N. Y. Extensible connector. 2,445,023, July 13.
- Eboneston Industries Limited, assignee: *See—*
 Amigo, Alfonso.
- Eby, Herbert O., Pittsburgh, Pa. Educational game device. 2,444,768, July 6.
- Eby, Hugh H., assignee: *See—*
 Fox, Benjamin.
- Eck, Herbert P., M. M. Karlan, and C. Perrucci, New York, N. Y. Machine for trimming primer cups and the like. 2,440,080, Apr. 20.
- Eckard, Harry L., Massillon, and J. W. Kennedy, Canton, assignors to Better Health, Inc., Massillon, Ohio. Inflatable dilator. 2,435,387, Feb. 3.
- Eckel, Arthur F., assignor to M. S. Eckel, Chicago, and L. W. Pickett, La Grange, Ill. Decimal point locator for slide rules. 2,446,696, Aug. 10.
- Eckel, John E., Houston, Tex. Double-acting valve assembly. 2,442,642, June 1.
- Eckel, Joseph C., Ingram, and H. E. Romine, Crafton, Pa. Enameling. 2,455,331, Nov. 30.
- Eckel, Myrtle S., assignee, et al.: *See—*
 Eckel, Arthur F.
- Eckel, Oliver C., Belmont, Mass. Hinge mounting. 2,441,221, May 11.
- Eckers, Carl G., assignor to Aktiebolaget Separator, Stockholm, Sweden. Method and apparatus for the production of starch. 2,443,310, June 15.
- Eckert, George W.: *See—*
 Bergmann, Eric A., Ashburn, and Eckert.
- Eckert, Theodore, Lincolnwood, assignor to Harig Manufacturing Company, Chicago, Ill. Perforator grinding fixture. 2,449,459, Sept. 14.
- Eckert, William F., Rochelle, Ill. Two-way roller guide. 2,444,432, July 6.
- Eckert, William F., Rochelle, Ill. Explosion-proof starter. 2,452,112, Oct. 26.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Treating fats and fatty oils. 2,442,531, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Treatment of glycerides for use in edible fats. 2,442,532, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Treatment of glycerides. 2,442,533, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Mono- and/or diglyceride preparation. 2,442,534, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Modification of glycerides. 2,442,535, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Confectioner's hard butter prepared by low temperature interesterification. 2,442,536, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Puff pastry shortening. 2,442,537, June 1.
- Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Glyceride rearrangement. 2,442,539, June 1.
- Eckhardt, William K., Newark, N. J., and E. W. Goodwin, New Rochelle, assignors to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism for printing machines. 2,439,420, Apr. 13.
- Eckhardt, Paul K., O'Hara Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,435,821, Feb. 10.
- Eckman, Harry A., and H. W. Maack, assignors to Crane Co., Chicago, Ill. Malleable cast iron. 2,450,395, Sept. 28.
- Eckstein, George R.: *See—*
 Catlin, John P., Eckstein, and Vordahl.
- Eckstein, Ward E., Salem, Ohio. Toy aircraft. 2,441,401, May 11.
- Eclipse Air Brush Co., assignee: *See—*
 Downs, Austin H.
- Eclipse Fuel Engineering Co., assignee: *See—*
 Solem, Robert H.
- Eclipse Moulded Products Company, assignee: *See—*
 Nash, James.
- Economakis, George P., Asbury Park, N. J. Hat support. 2,442,723, June 1.
- Economy Pumps, Inc., assignee: *See—*
 Buhler, Walter.
- Ecusta Paper Corporation, assignee: *See—*
 Heygel, Paul R.
- Eddison, Clifford, Haddon Heights, N. J., assignor to Radio Corporation of America. Sound record manufacture. 2,446,578, Aug. 10.
- Eddy, William C., Michigan City, Ind., assignor to Television Associates, Inc., Chicago, Ill. Sound pickup unit. 2,439,459, Apr. 13.
- Eddy, William C., Michigan City, Ind., assignor to Television Associates, Chicago, Ill. Alarm switch. 2,439,509, Apr. 13.
- Edel, Robert O., Frankenmuth, and L. Sutton, Bridgeport, Mich. Collet chuck. 2,449,887, Sept. 21.
- Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Automatic timer. 2,441,402, May 11.
- Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Condition responsive mounting for measuring instruments. 2,445,943, July 27.
- Edelhart, Edward S., Lima, assignor of one-half to H. R. Meredith, Allen County, Ohio. Double reversible film developing hanger. 2,436,882, Mar. 2.
- Edell, Richard A., Montgomery, Minn. Automatic headlight dimmer. 2,451,543, Oct. 19.
- Edelman, Walter E.: *See—*
 Bischofberger, Carl J., and Edelman.
- Edelmann, Harry, Cleveland, Ohio. Consecutive ruling machine. 2,451,931, Oct. 19.
- Edelson, Stuart K.: *See—*
 Strickler, John F., Jr., and Edelson.
- Edelstein, Sidney M., Elizabeth, N. J. Aqueous dispersions of electropositive materials. 2,442,972, June 8.
- Edelstein, Sidney M., Elizabeth, N. J. Treatment of textile material with alkaline cellulose zincate solutions. 2,442,973, June 8.
- Edens, James S., Baltimore, Md., assignor to R. L. Bush, Greenville, S. C. Commode chair. 2,447,239, Aug. 17.
- Edgar, David: *See—*
 Knowlton, Cutler D., and Edgar.
- Edgerton, Frank, assignor to Stromberg-Carlson Company, Rochester, N. Y. Selector switch. 2,438,042, Mar. 16.
- Edge, Stanley H., Lincoln, England. Hydraulic selector valve mechanism for hydraulic servomotors. 2,438,389, Mar. 23.
- Edgerton, Harold E., Belmont, Mass. Electric system. 2,449,063, Sept. 14.
- Edison Engineering Company, Inc., assignee: *See—*
 Brandt, Edison R.

- Edison, Theodore M., West Orange, N. J., assignor to American Geographical Society of New York, New York, N. Y. Stereoscopic mapping instrument. 2,444,815, July 6.
- Edison, Thomas A., Incorporated, assignee: *See—*
Anderson, Fayette C.
Braun, Gustav F.
Dann, Charles W.
Dunham, Le Roy S.
Dunham, Le Roy S., and Jegge.
Fox, Robert A.
Fritzinger, George H.
Garrity, Philip A.
Hornbostel, John.
Jones, Harry S., and Clark.
Kelly, Frederick G.
Postal, Robert H.
- Edison Wood Products, Incorporated, assignee: *See—*
Webb, Charles E.
- Edmondson, Joseph D., assignor of one-fourth to J. F. Davis, one-fourth to J. B. Goodrich, and one-fourth to J. Ruffner, Dayton, Ohio. Attachment for motion-picture projecting machines. 2,447,238, Aug. 17.
- Edsall, Lou B., Wyandotte, and A. K. Kilander, Gibraltar, assignors, by mesne assignments, of 9,448/10,570 to Chemprofin Products, Trenton, Mich., 561/10,570 to L. Kormendi, New York, N. Y., and 561/10,570 to B. C. Boeckeler, Gross Ile, Mich. Apparatus for separating starch from gluten. 2,453,310, Nov. 9.
- Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray oscilloscope circuit with timing marks. 2,434,264, Jan. 13.
- Edson, Kenneth C., Los Angeles, Calif., and F. E. Fisher, Pawhuska, assignors to Skelly Oil Company, Tulsa, Okla. Producing catalysts containing barium peroxide. 2,436,558, Feb. 24.
- Edson, James O., Great Kills, and D. M. Terry, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Subharmonic generator. 2,451,480, Oct. 19.
- Edwal Laboratories, Inc., assignee: *See—*
Krueger, John, and Hayes.
- Edwards, Alfred B., Jr., Plandome, N. Y. Frame structure. 2,451,076, Oct. 12.
- Edwards, Andrew W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit breaker. 2,452,442, Oct. 26.
- Edwards, Baden J., assignor to Pye Limited, Cambridge, England. Reproducing X-ray images. 2,442,287, May 25.
- Edwards, Baden J., assignor to Pye Limited, Cambridge, England. Television projection tube. 2,453,003, Nov. 2.
- Edwards, Charles E., Santa Paula, Calif. Vehicle turn signal. 2,437,944, Mar. 16.
- Edwards, Charles R., deceased, Houston, Tex.: F. R. Edwards, executrix. Fishing tool. 2,436,506, Feb. 24.
- Edwards & Company, Inc., assignee: *See—*
Verkuil, Leo L.
- Edwards and Company, Inc., assignee: *See—*
Miller, Christian.
- Edwards, Donald V., Montclair, assignor to Electrons, Incorporated, Newark, N. J. Electronic device. 2,443,100, June 8.
- Edwards, Earl W., South Pasadena, Calif. Incinerator with combustion air feeding means for underground use. 2,444,095, June 29.
- Edwards, Ellis H., Scarsdale, N. Y. Gynecologic instrument. Re. 23,022, Aug. 3.
- Edwards, Franklin W.: *See—*
Matulaitis, Victor E., Edwards, and Voorhees.
- Edwards, Franklin W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Compressor drive control. 2,449,888, Sept. 21.
- Edwards, George, & Sons, Limited, assignee: *See—*
Hunt, Arthur L.
- Edwards, Geraldine K., Napoleon, and M. H. Zachrich, Defiance, Ohio. Hearing aid and heat deflector for hair driers. 2,449,460, Sept. 14.
- Edwards, Herbert C., Massillon, assignor, to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection pump. 2,455,571, Dec. 7.
- Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus having a water-softening mechanism controlled therewith. 2,434,352, Jan. 13.
- Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus having an automatically cycled regenerative water-softening system. 2,434,353, Jan. 13.
- Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cleaning and centrifuging apparatus. 2,447,848, Aug. 24.
- Edwards, James C., Dallas, Tex. Heel rest for automobile floor mats. 2,444,342, June 29.
- Edwards, James H., Village of Welland Junction, Ontario, Canada. Trip mechanism for power shovels. 2,435,740, Feb. 10.
- Edwards, Karl C., Chase, and D. D. Jones, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Closure. 2,438,003, Mar. 16.
- Edwards, Leslie E., Jr., assignee, trustee, et al.: *See—*
Ruddock, William.
- Edwards, Lewis E., Huntington Park, assignor of forty per cent to A. J. Keel, Downey, and twenty per cent to L. Budway, Huntington Park, Calif. Safety joint. 2,440,257, Apr. 27.
- Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,443,028, June 8.
- Edwards, Masena E., Denver, Colo. Safety pin. 2,456,820, Dec. 21.
- Edwards, Miles L., and D. K. MacBain, Longview, and L. M. Johnson, Everett, assignors to Weyerhaeuser Timber Company, Longview, Wash. Log turning apparatus. 2,439,508, Apr. 13.
- Edwards, O. M., Company, Inc., The, assignee: *See—*
Axe, Roy T.
- Edwards, Paul G., and H. W. Herrington, Verona, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shockproof electromagnetic circuit controller. 2,455,049, Nov. 30.
- Edwards, Raymond W., Mangotsfield, England. Portable chess or checker board with game piece retaining means. 2,454,639, Nov. 23.
- Edwards, Robert F., assignee: *See—*
Jones, Oscar S.
- Edwards, Robert S., Hempstead, N. Y., assignor to The Sperry Corporation. Electronic fine and coarse signal control system. 2,446,532, Aug. 10.
- Edwards, Rothertha, executrix: *See—*
Edwards, Charles R.
- Edwards, Samuel H., Richmond, Calif. Torsion spring mounting. 2,438,432, Mar. 23.
- Edwards, Samuel H., Richmond, Calif. Valve. 2,448,706, Sept. 7.
- Edwards, Walter, Calgary, Alberta, Canada. Eraser holder. 2,439,162, Apr. 6.
- Edwards, Walter R.: *See—*
Seymour, George W., Salvin, and Edwards.
- Eells, Paul W., assignor to Le Roi Company, West Allis, Wis. Cooling system for internal-combustion engines. 2,449,110, Sept. 14.
- Egan, John F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic recording equipment. 2,436,103, Feb. 17.
- Eggenberger, Hans: *See—*
Von Almen, Samuel, and Eggenberger.
- Egger, Charles J., and R. H. Webster, Cleveland, Ohio, assignors to The Buckeye Laboratories Corporation. Process and apparatus for reconditioning contaminated oil. 2,451,668, Oct. 19.
- Eggert, Herbert A., Oak Park, Ill. Draft regulator. 2,454,044, Nov. 16.
- Eggert, Ralph, assignee: *See—*
Wilhite, Don H.
- Eggertsen, Frank T.: *See—*
Archibald, Raymond C., Greensfelder, and Eggertsen.
- Eggl, Joseph, Toledo, Ohio. Clothes basket. 2,442,998, June 8.
- Eggleston, Smith, assignor to Standard Conveyor Company, North St. Paul, Minn. Conveyor. 2,434,760, Jan. 20.
- Eggleton, Charles W., Walton-on-Thames, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Coupled circuits for high impedance aeriels. 2,456,772, Dec. 21.
- Eggmann, Robert E., et al.: *See—*
Oakley, Thurman, Westenhaver, and Eggmann.
- Egleson, James E. A., Essex Fells, N. J. Shotgun choke. 2,453,747, Nov. 16.
- Eglin, James M., Glen Rock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge voltage regulation circuit. 2,443,534, June 15.
- Eglinton, George F., Lincoln Park, and D. J. Woodworth, Detroit, assignors to Lincoln Park Industries, Inc., Lincoln Park, Mich. Compensating abrasive wheel dressing machine. 2,449,372, Sept. 14.
- Egor, Basil, Valley Stream, N. Y. Contour and depth gauge of dial indicator type. 2,439,565, Apr. 13.
- Egry Register Company, The, assignee: *See—*
Ritzert, Robert W.
- Egyed, Dominic, Los Gatos, Calif. Easel. 2,445,136, July 13.
- Ehardt, John H., assignee: *See—*
Sklenar, Wenzeslaw F.
- Ehlers, Russell W., Flint, assignor to General Motors Corporation, Detroit, Mich. Molding ceramic articles. 2,446,872, Aug. 10.
- Ehlinger, Marcel, Paris, France. Inhaler. 2,445,347, July 20.
- Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Swivel connection. 2,438,548, Mar. 30.
- Ehnborn, Victor C., Honolulu, T. H. Device for working thermoplastic materials. 2,454,437, Nov. 23.
- Ehrenhaft, Franz F., Forest Hills, N. Y. Cinematographic rotatable prism projector. 2,441,013, May 4.
- Ehrenhaft, Franz F., Forest Hills, N. Y. Nonintermittent cinematographic projector. 2,454,504, Nov. 23.
- Ehrensperger, Charles: *See—*
Keller, Hans, and Ehrensperger.
- Ehrhardt, Earl V., Altadena, Calif. Adjustable airflow and boundary layer control. 2,441,694, May 18.
- Ehrhart, Gustav: *See—*
Bockmühl, Max, and Ehrhart, Elsieb, and Stein.

- Ehrig, Victor C., Marshall, Tex. Stuffing box mounting for pumps. 2,446,463, Aug. 3.
- Ehrlich, Josef, assignor to Erko Corporation, New York, N. Y. Making a plastic cork composition. 2,455,921, Dec. 14.
- Eich, Sebastian, Chicago, Ill. Colostomy receptacle. 2,437,019, Mar. 2.
- Eichberg, Robert L., Arlington, Va., and H. R. Montague, Washington, D. C. Battery adapter. 2,449,550, Sept. 21.
- Eichenberger, Ernst, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Circuit breaker. 2,449,208, Sept. 14.
- Eichenberger, Ernst, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Gas blast circuit breaker. 2,451,669, Oct. 19.
- Eichendorff, Bruno E., San Francisco, Calif. Spoon leader. 2,449,692, Sept. 21.
- Eichholtz, Frederick W., Norvelt, Pa. Radiator structure for air heating furnaces. 2,452,556, Nov. 2.
- Eichner, Ferdinand R., assignor to Trail-A-Boat Company, Pontiac, Mich. Mast for marine craft. 2,454,640, Nov. 23.
- Eichorn, Robert N.: See—
Fitch, Clyde J., and Eichorn.
- Eickmeyer, Allen G., Salt Lake City, Utah, assignor of one-fourth to C. M. McKnight, Tulsa, Okla. Treating oil wells. 2,452,736, Nov. 2.
- Eicove, Joseph M., and A. B. Baumgartner, Denver, Colo. Deodorizer. 2,442,080, May 25.
- Eidson, Greyburn T., Irving, assignor of one-third to L. N. Moore and one-third to M. A. Phillips, Dallas, Tex. Automatic chicken feeder. 2,447,745, Aug. 24.
- Eigenberger, Elroy I., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage drive. 2,442,346, June 1.
- Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. High-speed transmission communication apparatus. 2,435,879, Feb. 10.
- Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Electronic control system. 2,435,880, Feb. 10.
- Ellenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Ultrasonic pulse signaling. 2,455,475, Dec. 7.
- Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Water dispersible coating vehicle. 2,455,743, Dec. 7.
- Eillers, Louis H.: See—
Cardwell, Paul H., and Eillers.
- Eimar Corporation, assignee: See—
Brereton, Gilbert.
- Elinson-Freeman Co., Inc., assignee: See—
Horr, John V.
- Elpper, William R., Philadelphia, Pa. Treating fatty materials. 2,456,691, Dec. 21.
- Elsele, Andrew, Detroit, Mich. Internal bore gauge. 2,438,274, Mar. 23.
- Eisele, Karl, Belleville, N. J., assignor to Camloc Fastener Corporation, New York, N. Y. Nut-assembling machine. 2,436,858, Mar. 2.
- Eisele, Logan, Nashville, Tenn. Clinical thermometer. 2,457,455, Dec. 28.
- Eisen, Carl, Bronx, N. Y. Fluid press motor and control valve therefor. 2,449,889, Sept. 21.
- Eisenberg, Irwin W., Alhambra, Calif. Switch. 2,436,958, Mar. 2.
- Eisenberg, Philip: See—
Stille, Robert, and Eisentger.
- Eisenberger, Sidney, New York, and S. Machlis, New Rochelle, assignors to O. D. Chemical Corporation, New York, N. Y. Nondusting detergent compositions. 2,455,050, Nov. 30.
- Eisensmith, William F., Penns Grove, N. J. Safety oiling means for car journals. 2,440,331, Apr. 27.
- Eisenstein, Albert S., Cambridge, and K. J. Germeshausen, Newton Centre, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Resistor. 2,452,737, Nov. 2.
- Eisinger, Roger W., Washington, D. C. Window. 2,437,730, Mar. 16.
- Eisinger, Roger W., Washington, D. C. Door construction. 2,444,343, June 29.
- Eisleb, Otto: See—
Bockmühl, Max, and Ehrhart, Eisleb, and Stein.
- Eisler, Charles, South Orange, N. J. Machine for flanging glass blanks. 2,446,000, July 27.
- Eisler, Charles, South Orange, N. J. Machine for forming bottoms on glass. 2,447,568, Aug. 24.
- Eisler, Charles, South Orange, N. J. Tabulating machine. 2,447,569, Aug. 24.
- Eisler, Charles, South Orange, N. J. Bellows clamp. 2,447,570, Aug. 24.
- Eisler, Henry G., Wilmette, Ill. Container supporting and closing mechanism. 2,447,240, Aug. 17.
- Eisler, Paul, London, England. Manufacture of electric circuit components. 2,441,960, May 25.
- Eisner, Robert S., Red Bank, N. J., and D. Schoenholz, New York, N. Y., said Schoenholz assignor to said Eisner. Brush. 2,454,553, Nov. 23.
- Eitel-McCullough, Inc., assignee: See—
Chamberlin, Richard H.
Dieschman, Donald F.
Eaves, Hubert, and Williams.
Eitel, William W.
Eitel, William W., and McCullough.
Gordon, Ronald.
Gordon, Ronald, and Miller.
Howes, Gordon T.
Sorg, Harold E.
Williams, Paul D.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrode mounting structure for electron tubes. 2,441,349, May 11.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,446,270, Aug. 3.
- Eitel, William W., Woodside, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube grid structure. 2,446,271, Aug. 3.
- Elitzen, Louis C., New York, N. Y. Viscosity instrument. 2,439,287, Apr. 6.
- Ekberg, Gunnar J. E. and O. L., Ornskoldsvik, assignors to Aktiebolaget Fr. Ramstrom, Stockholm, Sweden. Plate shearing machine. 2,443,764, June 22.
- Ekberg, Ove L.: See—
Ekberg, Gunnar J. E. and O. L.
- Ekblom, Uno, Brooklyn, N. Y. Automatic electric pilot. 2,446,173, Aug. 3.
- Ekco Products Company, assignee: See—
Chandler, James H., and Zimmer.
Kollman, Jack.
- Ekenstam, Edward D., Los Angeles, Calif., assignor of one-half to Southwest Paving Company. Ditch paving machine. 2,447,571, Aug. 24.
- Ekin, Hursel L., Gallion, and J. O. Young, Rocky River, assignors to The Gallion Metallic Vault Company, Gallion, Ohio. Vehicle transporting means. 2,436,959, Mar. 2.
- Ekleberry, James F., assignor of one-half to C. R. Miller, Miami, Fla. Hydraulic clutch of the transversely movable piston type. 2,442,999, June 8.
- Ekleberry, James F., Miami, Fla. Reciprocating compressor. 2,443,344, June 15.
- Eklund, Hans E., assignor to Aktiebolaget Ljungman Verkstäder, Malmö, Sweden. Safety for self-loading firearms. 2,453,897, Nov. 16.
- Eklund, Harry N., New York, N. Y. Sound and vibration damping structure. 2,442,347, June 1.
- Eko Products Company, assignee: See—
Lueneburg, Walter C.
- Ekse, Ingvald J., Minneapolis, Minn. Circumferentially travelling roller type, support mounted, tire mounting apparatus. 2,437,512, Mar. 9.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake control device. 2,437,423, Mar. 9.
- Eksergian, Carolus L., Detroit, R. B. Temple, Grosse Pointe Park, and E. P. Hawthorne, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Wheel. 2,438,966, Apr. 6.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Metal wheel. 2,439,848, Apr. 20.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Side towed vehicle. 2,442,267, May 25.
- Eksergian, Carolus L., Detroit, R. B. Temple, Grosse Pointe Park, and K. C. Harle, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Internal expanding vehicle brake. 2,451,325, Oct. 12.
- Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Brake shoe assembly. 2,451,326, Oct. 12.
- Ekstedt, John W., Union, and A. F. Pitoy, Clifton, N. J. Forming crown caps. 2,447,690, Aug. 24.
- Ekström, Gunnar, Stockholm, and G. Orström, Alsten, assignors to Arenco Aktiebolag, Stockholm, Sweden. Machine for producing a vent in cartridge cases. 2,452,639, Nov. 2.
- Ekstrom, Ted M., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Rotary sifter top. 2,449,285, Sept. 14.
- Elastic Chain Company, assignee: See—
Hartranft, William.
- Elastic Stop Nut Corporation of America, assignee: See—
Sauer, John A.
- Elastrator Company Limited, assignee: See—
Hammond, Arthur O.
- Elberty, Robert S., Jr., Waynesboro, Pa. Heating and cooling system. 2,442,201, May 25.
- Elce, Alec, Banstead, R. H. Hall, Sutton, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Oxidation of mesityl oxide with molecular oxygen. 2,443,818, June 22.
- Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bed spring. 2,454,964, Nov. 30.
- Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bed spring. 2,454,965, Nov. 30.

- Elder, Flint C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Projection method for measuring the inner contours of wire drawing dies. 2,444,639, July 6.
- Elder, Harold G., Chicago, and John F. Mowat, La Grange, Ill. Firing metallurgical furnaces. 2,434,491, Jan. 13.
- Elder, Harry J.: *See*—
McKinley, Joseph B., and Elder.
- Elder, Esther R., Pasadena, assignor of forty per cent to W. R. Harriman, Hondo, ten per cent to E. A. Harrington, Pasadena, and ten per cent to M. E. Peachman, San Francisco, Calif. Apparatus for drying hair with liquefied gas. 2,441,138, May 11.
- Elder, Esther R., Pasadena, assignor of forty per cent to W. R. Harriman, Hondo, ten per cent to E. A. Harrington, Pasadena, and ten per cent to M. E. Peachman, San Francisco, Calif. Apparatus for drying with liquefied gas. 2,443,610, June 22.
- Elder, Lucius W., Madison, and H. S. Levenson, Orange, N. J., assignors to General Foods Corporation, New York, N. Y. Hydrocaffeic acid and esters as antioxidants. 2,437,731, Mar. 16.
- Elder, Robert M., and John J. Domoj, Philadelphia, Pa. Bracing device for bombs on aircraft. 2,451,481, Oct. 19.
- Elderbaum, Gilbert L.: *See*—
Howell, Clifton W., and Elderbaum.
- Eldredge, Kenneth R., A. Hundere and J. H. Macpherson, Jr., Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Magnetostrictive pickup unit. 2,445,318, July 20.
- Eldridge, James A., St. James, Manitoba, Canada. Quick release increasing the gap between disks upon entry of uncrushables. 2,440,171, Apr. 20.
- Electric Boat Company, assignee: *See*—
Chase, Irwin, and Darsie.
Doane, Lewis B., and Bentley.
Darsie, Burns.
- Electric Machinery Mfg. Company, assignee: *See*—
Carter, William R.
- Electric & Musical Industries Limited, assignee: *See*—
Agate, Charlton S., and Cooper.
Bull, Cabot S.
Cairns, John E. I., and Docherty.
Cork, Edward C.
Cork, Edward C., and A. D. and D. Blumlein.
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.
Eggleton, Charles W.
Henderson, Stanley T.
Holman, Herbert E., and Cork.
Landmann, Alexander.
Mayo, Bernard J.
Pearce, Albert F., and Barford.
White, Eric L. C., Harker, and Houchin.
- Electric and Musical Industries, Ltd., assignee: *See*—
Broadway, Leonard F.
Klemperer, Otto E. H.
- Electric Service Manufacturing Company, assignee: *See*—
Hallman, Eric B.
McFarlin, John R.
- Electric Steel Foundry, assignee: *See*—
Babbitt, Daniel R.
Ehmann, Leslie G.
Haun, Joye C., and Simpson.
Johnson, Clarence K.
McGee, James D.
- Electric Storage Battery Company, The, assignee: *See*—
Galloway, Charles D.
Murphy, Harold P.
Swing, Frank A.
Woodbridge, Joseph L.
- Electric Time Recording Register Company, assignee: *See*—
Abbott, Elbert V.
- Electric Wheel Corporation, assignee: *See*—
Richey, Clarence B.
- Electrical Engineering and Manufacturing Corporation, assignee: *See*—
Hoover, Vaino A.
- Electrical Engineers Equipment Co., assignee: *See*—
Hoye, Feder B.
- Electrical Industries, Inc., assignee: *See*—
Wyman, John H.
- Electrical & Musical Industries Limited, assignee: *See*—
Percival, William S.
- Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Ashton, Benjamin N., and Kling.
- Electroloy Company, Incorporated, The: *See*—
Jacob, Fraser B.
- Electrolux Corporation, assignee: *See*—
Anderson, Emil.
Cranmer, George H.
Wahlberg, Eric C., and Lampe.
- Electro Manganese Corporation, assignee: *See*—
Wyckoff, Lewis B.
- Electromaster, Inc., assignee: *See*—
Marshall, Richard B.
Scofield, Donald W.
- Electro-Mechanical Instrument Company, The, assignee: *See*—
Pfeffer, William E.
- Electro Metallurgical Company, assignee: *See*—
Franks, Russell.
Hammerquist, William L.
Kroll, William J., and Bacon.
- Electronbeam, Ltd., assignee: *See*—
Ziebolz, Herbert.
- Electronic Laboratories, Inc., assignee: *See*—
Brown, Harold J.
Hings, Donald L.
Kevers, Norman R.
Peek, Walter E.
Wise, Herman J.
- Electronic Tester of Gas Meters, Inc., assignee: *See*—
Oakley, Thurman, Westenhaber, and Eggmann.
- Electronized Chemicals Corporation, assignee: *See*—
Brasch, Arno.
Brasch, Arno, and Huber.
- Electrons, Incorporated, assignee: *See*—
Edwards, Donald V.
Smith, Earl K.
- Electro-Physical Laboratories, Inc., assignee: *See*—
Traugott, Paul.
- Electro-Pneumatic Looms Limited, assignee: *See*—
Heaton, John.
- Electro-Voice Manufacturing Co., Inc., assignee: *See*—
Burroughs, Louis R.
- Elevator Supplies Company, Inc., assignee: *See*—
Bruestle, Carl O.
Swart, Frans J.
- Elfner, Henry L., Indianapolis, assignor of one-half to E. H. Stein, Marion County, Ind. Retainer and dispenser for sanitary tissues. 2,451,281, Oct. 12.
- Elford, Frank D., Victoria, British Columbia, Canada. Drill rig. 2,440,352, May 4.
- Elgin, Joseph C., Princeton, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Extraction of polyhydric alcohols. 2,436,209, Feb. 17.
- Elgin Softener Corporation, assignee: *See*—
McGill, Chester T., and Rowe.
- Elgersma, Alta M., assignee: *See*—
Elgersma, Theodore M.
- Elgersma, Theodore M., assignor of one-half to A. M. Elgersma, Fresno, Calif. Poultry bit. 2,450,587, Oct. 5.
- Elie, Maurice, H. Guton, J. J. Hugon, and M. Ponte, Paris, France; vested in the Attorney General of the United States. System for object detection and distance measurement. 2,433,838, Jan. 6.
- Eliomarkakis, Panayotis J., Philadelphia, Pa. Magnetic fuse. 2,434,551, Jan. 13.
- Elkan, Fred, New York, N. Y. Fuel composition. 2,443,029, June 8.
- Elkhart Brass Manufacturing Company, Inc., assignee: *See*—
Hansen, Edward H.
- Elkins, Howard T., assignee: *See*—
Elkins, Hubert A.
- Elkins, Hubert A., Huntington, assignor of one-half to H. T. Elkins, Midkiff, W. Va. Bonding cable terminal bracket. 2,443,000, June 8.
- Elks, William J., United States Navy. Dynamoelectric machine mount. 2,450,422, Oct. 5.
- Ellam, Frederick, Watford, England. Inking device for rotary duplicating machines. 2,445,666, July 20.
- Ellcon Company, The, assignee: *See*—
Mersereau, Everard C.
- Elleman, Tom, Toledo, Ohio, and K. M. Cloud, assignors to Continental Motors Corporation, Muskegon, Mich. Fluid pump. 2,452,185, Oct. 26.
- Ellender, Harold L., Baytown, Tex., assignor to Standard Oil Development Company. Refining lubricating oils. 2,451,025, Oct. 12.
- Eller, Saul A.: *See*—
Chatten, Clarence K., and Eller.
- Eller, Saul A., New York, N. Y. Protected tube and method. 2,452,557, Nov. 2.
- Ellerbeck, Thomas R., Salt Lake City, Utah. Calcining and calcining apparatus. 2,451,024, Oct. 12.
- Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing beta-fluoroethyl thiolacetate. 2,439,203, Apr. 6.
- Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric beta-hydroxyethyl siliconic acids. 2,443,898, June 22.
- Ellingsen, Florence G.: *See*—
Brandt, Otho A., and Ellingsen.
- Ellingson, Martin A., McCook, Nebr. Card shuffling and placement board. 2,454,691, Nov. 23.
- Ellington, Alvin M., Watertown, Wis. Extension table. 2,456,821, Dec. 21.
- Elliot Equipment Limited, assignee: *See*—
Hann, Kenneth G.
- Elliot, William H.: *See*—
Richter, Walther and E.
- Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic motor control for printing presses and the like. 2,448,256, Aug. 31.
- Elliot, William H., Shorewood, and C. P. Feldhausen, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control for printing presses and other motor-driven machines. 2,444,186, June 29.
- Elliott, Artemus E., Pasadena, Calif. Service handle. 2,444,558, July 6.
- Elliott, Bernard V.: *See*—
Price, Harold C., and Elliott.

- Elliott Company, assignee: *See*—
Anderson, Carl M.
Aronson, David.
Bergquist, Carl H.
Cunningham, John F., Jr.
Smith, Ronald B.
- Elliott, Curtis M.: *See*—
Jellinek, Curt.
- Elliott, Daniel R., and K. K. Madison, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Tire curing bag. 2,449,461, Sept. 14.
- Elliott, Fred H., Big Rapids, Mich. Heat-conserving air-heating furnace with flue cleaner. 2,444,499, July 6.
- Elliott, George S., Detroit, Mich. Faucet. 2,452,295, Oct. 26.
- Elliott, Gordon R., Ferndale, Mich., assignor, by mesne assignments, to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Hydraulic pressure intensifier unit. 2,440,654, Apr. 27.
- Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Hydraulic pressure intensifier unit. 2,455,984, Dec. 14.
- Elliott, Gordon R., Ferndale, Mich., assignor to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Hydraulic brake booster. 2,455,985, Dec. 14.
- Elliott, Harmon P., Watertown, Mass. Printing plate controlled feed means. 2,444,187, June 29.
- Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Mounting for rotary tools. 2,441,624, May 18.
- Elliott, Harold F., Belmont, Mass. Time control device. 2,440,142, Apr. 20.
- Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tape applying machine for use in the manufacture of shoes. 2,453,212, Nov. 9.
- Elliott, Harry D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying tape to shoe parts. 2,455,359, Dec. 7.
- Elliott, James R., Port Huron, Mich. Road marker. 2,434,103, Jan. 6.
- Elliott, John R.: *See*—
Kriebel, Robert H., and Elliott.
- Elliott, John R., Schenectady, N. Y., assignor to General Electric Company. Stabilizing organo-substituted polysiloxanes. 2,445,567, July 20.
- Elliott, John R., and R. H. Kriebel, Schenectady, N. Y., assignors to General Electric Company. Alkylsilicon soils and gels. 2,441,423, May 11.
- Elliott, John R., and R. H. Kriebel, Schenectady, N. Y., assignors to General Electric Company. Treatment of chloromethyl-substituted polysiloxanes. 2,457,539, Dec. 28.
- Elliott, Kathleen M., executrix, assignee: *See*—
Moffatt, Reginald J.
- Elliott, Laverne P., Berkeley, and M. M. Holm, assignors to California Research Corporation, San Francisco, Calif. Refining of petroleum distillates. 2,440,258, Apr. 27.
- Elliott, Paul C., assignor to L. K. Funkhouser, Dayton, Ohio. Machine for forming containers from flexible material. 2,453,836, Nov. 16.
- Elliott, Peter M., assignor to Oil Distribution Appliances Limited, Toronto, Ontario, Canada. Filling apparatus for volatile liquids with vapor return conduit. 2,439,887, Apr. 20.
- Elliott, William V., administrator: *See*—
Bergman, Charles P.
- Elliott Bay Mill Co., assignee: *See*—
Johnson, Alfred C.
- Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Trial frame having pivoted temple connections. 2,447,936, Aug. 24.
- Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Adjustable perimeter target. 2,451,932, Oct. 19.
- Ellis Drier Co., The, assignee: *See*—
Ellis, Hubert C.
- Ellis-Foster Company, assignee: *See*—
Robertson, John W.
Rust, John B.
Rust, John B., and Canfield.
Wells, Franklin B.
- Ellis-Foster Company, assignee, et al.: *See*—
Rust, John B., and Canfield.
- Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. Re. 23,065, Dec. 21.
- Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. 2,436,883, Mar. 2.
- Ellis, Hubert C., Evanston, assignor to The Ellis Drier Co., Chicago, Ill. Method and device for drying woven fabric material. 2,451,206, Oct. 12.
- Ellis-Foster Company, assignee, et al.: *See*—
MacKenzie, Charles A., and Rust.
- Ellis, Reuben H., Alexandria, and M. A. Milling, Anderson, Ind. Laying submerged pipes. 2,447,937, Aug. 24.
- Ellis, Robert, Belleville, N. J. Flaggpole and operating means therefor. 2,440,500, Apr. 27.
- Ellis, Robert M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit with primary current division. 2,445,390, July 20.
- Ellis, Victor G.: *See*—
Voss, Grace, and Ellis.
- Ellis, William C., Maplewood, and L. Ferguson, South Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Improving the magnetic quality of anisotropic permanent magnets containing iron, nickel, cobalt, and aluminum. 2,442,762, June 8.
- Ellis, William D., III, Atlanta, Ga. Reinforced plastic material. 2,449,595, Sept. 21.
- Ellison, Leslie J.: *See*—
Grace, Bertram B., Ellison, Leman, Bridge, and Leng.
Richards, Edward A., Ellison, and Gray.
- Ellman, Louis: *See*—
Hosbein, Louis H., and Ellman.
- Ellner, George G., Long Island, N. Y. Electrical sterilizer or the like. 2,443,446, June 15.
- Ellner, George G., Long Island, N. Y. Electrical fixture or the like. 2,447,498, Aug. 24.
- Ellsworth, Harold D., Clinton, N. J., assignor to The Indium Corporation of America, New York, N. Y. Indium-gold article and method. 2,438,967, Apr. 6.
- Ellwood, Frances E., Manhattan Beach, Calif. Hand shield for cooking utensils. 2,436,507, Feb. 24.
- Ellwood, Walter B., New York, N. Y. Valve for depth charge firing mechanisms. 2,438,117, Mar. 23.
- Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,454,045, Nov. 16.
- Ellsworth, John T., Collinsville, Ill. Electrolytic recovery of zinc. 2,454,142, Nov. 16.
- Ellsworth, Wilfred D., Lynbrook, N. Y. Detachable row-boat shelter. 2,453,422, Nov. 9.
- Elmendorf, Andrew G.: *See*—
Ayers, Edgar H., and Elmendorf.
- Elmendorf, Armin, Winnetka, Ill., assignor to The Flexwood Company. Making flexible veneer laminate. 2,435,209, Feb. 3.
- Elmendorf, Armin, Winnetka, Ill. Roof and wall structure. 2,452,640, Nov. 2.
- Elmendorf, Armin, Winnetka, and M. Lieff, assignors of one-half to The Celotex Corporation and one-half to Certain-teed Products Corporation, Chicago, Ill. Panel wall construction. 2,440,936, May 4.
- Elmendorf, Duryea E., Cleveland, Ohio, assignor to General Electric Company. Electrode structure. 2,453,978, Nov. 16.
- Elmes, John A., Beaver Falls, and H. F. Johnson, Ellwood City, assignors to W. L. Ryman, Pittsburgh, Pa. Grinding machine. 2,445,391, July 20.
- Elmore, John S.: *See*—
Whitener, Ernest K., Gilreath, Saunders, and Elmore.
- Elmore, Kelly L., near Sheffield, Ala., assignor to Tennessee Valley Authority. Making calcium aluminate sinter. 2,452,041, Oct. 26.
- Elmore, Norman M.: *See*—
Young, David W., and Elmore.
- Elmore, Norman M., Elizabeth, and H. C. Evans, Cranford, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,434,552, Jan. 13.
- Elmore, Orau, assignee: *See*—
Johnson, Marshal D.
- Elox Corporation, assignee: *See*—
Harding, Henry V.
- Elrad, William R., University Heights, Ohio. Bed rail blank. 2,450,723, Oct. 5.
- Elsas, William D., Kew Gardens, P. Lowengardt, Forest Hills, and A. Scheffel, New York, N. Y. Closure. 2,438,906, Apr. 6.
- Else, Harry D., and J. E. Mulheim, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical connector. 2,443,654, June 22.
- Elsea, Jacob O., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Sequential turret tuner. 2,452,443, Oct. 26.
- Elsebusch, Otto, Los Angeles, Calif. Wind whip drying apparatus. 2,441,062, May 4.
- Elsman, Joseph M.: *See*—
Meincke, Edward, and Elsman.
- Elstad, Clayton M., Minneapolis, Minn. Electric marking device. 2,452,738, Nov. 2.
- Elston, Arthur A.: *See*—
Cornthwaite, William R., and Elston.
- Eltron, Inc., assignee: *See*—
Gelzer, John R.
- Elvin, William J., Frostburg, M. A. Shaffer, Cumberland, Md., and E. R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America. Apparatus for treatment of travelling materials with fluid media. 2,438,549, Mar. 30.
- Elvin, William J., Frostburg, Md., and E. R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America. Winding mechanism. 2,443,231, June 15.
- Elwell, Richard D., Lawrence, assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y. Bag. 2,446,001, July 27.
- Elwell, William E., and R. L. Meier, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Activating polymerization of hydrocarbons. 2,442,643, June 1.

- Elwell, William E., and R. L. Meier, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Controlling viscosity of hydrocarbon polymers. 2,442,644, June 1.
- Elwell, William E., and R. L. Meier, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization of unsaturated hydrocarbons. 2,442,645, June 1.
- Elwell, William E., and R. L. Meier, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Plastic compositions and making the same from an unsaturated ketone and an unsaturated nitrile. 2,451,435, Oct. 12.
- Elwood, Calvin A., assignor to Eastman Kodak Company, Rochester, N. Y. Constant flow pump. 2,450,751, Oct. 5.
- Emanuel, Frederick, assignor to Eumuco (England) Limited, Barnes, London, England. Drop hammer, stamp, and the like. 2,450,189, Sept. 28.
- Embree, Harold K.: *See*—
Sholtis, John, Jr., and Embree.
- Embree, Harold K., Hamilton, Ontario, Canada, and B. I. Watt, Marquette, Mich., assignors to Griplock, Inc., Hoboken, N. J. Wire strapping tool. 2,442,679, June 1.
- Embree, Norris D., and E. M. Shantz, assignors to Distillation Products, Inc., Rochester, N. Y. Process for producing vitamin A active esters. 2,434,687, Jan. 20.
- Embree, Norris D., and N. H. Kuhr, assignors to Distillation Products, Inc., Rochester, N. Y. Preparation of tocopherol concentrate. 2,454,692, Nov. 23.
- Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 2,447,572, Aug. 24.
- Emde, Kurt, Itasca, Ill., assignor to Zenith Radio Corporation. Vacuum tube lock. 2,449,646, Sept. 21.
- Emerson Electric Manufacturing Company, The, assignee: *See*—
Dederick, Clinton H.
Harvey, Edwin F.
Schebler, Carl L., Douglas, and Clasquin.
Winkler, Lawrence J.
- Emerson Electric Mfg. Company, The, assignee: *See*—
Dederick, Clinton H.
- Emerson, Elizabeth K., executrix: *See*—
Emerson, Walter H.
- Emerson, John F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electric motor servo control system. 2,450,084, Sept. 28.
- Emerson, Ovid C.: *See*—
Davis, Francis H., Emerson, and Newman.
- Emerson Radio and Phonograph Corporation, assignee: *See*—
Easton, Allan.
- Emerson, Walter B.: *See*—
Peters, Chauncey G., Harris, Emerson, Cooter, and Nefflen.
- Emerson, Walter H., deceased, East Liverpool, Ohio; E. K. Emerson, executrix, assignor to The Homer Laughlin China Company, Newell, W. Va. Decorating apparatus. 2,437,224, Mar. 2.
- Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Cup finishing apparatus. 2,455,744, Dec. 7.
- Emerson, William S.: *See*—
Kosmin, Milton, and Emerson.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Para-acetylbenzyl compounds. 2,439,204, Apr. 6.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company. Process for producing phenylacetaldehyde from styrene glycol. 2,444,400, June 29.
- Emerson, William S., and V. E. Lucas, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Production of acetophenone. 2,444,816, July 6.
- Emerson, William S., and J. W. Heyd, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Oxidation of aromatic hydrocarbons. 2,447,400, Aug. 17.
- Emerson, William S., and V. E. Lucas, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Flash distillation of acetophenone from benzoic acid. 2,453,423, Nov. 9.
- Emery, Alfred H.: *See*—
Aldeborgh, Erik H., and Emery.
- Aldeborgh, Erik H., Emery, Bishop, and Boat.
- Emery, Alfred H., Wappingers Falls, assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Combined comparator and limit gauge. 2,445,875, July 27.
- Emery Industries, Inc., assignees: *See*—
Myers, Latimer D., and Muckerheide.
- Emery, Roscoe C., assignee, executor, co-trustee, et al.: *See*—
Lyon, Alfred L.
- Emigh, Willard F., Ridley Park, Pa., assignor to General Electric Company. Bimetallic circuit breaker. 2,440,937, May 4.
- Emil Greiner Company, The, assignee: *See*—
Bader, Joseph P.
- Emley, Edward F.: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.
- Emley, Edward F., Clifton Junction Works, near Manchester, assignor to Magnesium Elektron Limited, London, England. Process and composition for producing magnesium-zirconium alloys. 2,452,914, Nov. 2.
- Emmanuel, Joseph, New York, N. Y. Steam tie shaper. 2,446,412, Aug. 3.
- Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding. 2,450,785, Oct. 5.
- Emmey, Charles, and M. Katzenstein, New York, N. Y., assignors to Press-On Inc. Identifying goods and identifying labels used therewith. 2,439,082, Apr. 6.
- Emmons, Clarence L., Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Attaching tear strip winding keys to receptacles. 2,453,503, Nov. 9.
- Emmons, Eugene R., assignor to Penn Electric Switch Co., Goshen, Ind. Driver for studs and the like. 2,434,354, Jan. 13.
- Emory, Walter F., Arbutus, Md. Portable crank journal grinder. 2,447,117, Aug. 17.
- Empire Box Corporation, assignee: *See*—
Hall, Maynard G., and Hurban.
- Empire Electric Brake Company, assignee: *See*—
Ingres, Jeannot G.
Penrose, William F.
- Emso Derrick & Equipment Company, assignee: *See*—
Ashton, Albert A.
Davidson, William D.
- Emsig, Sidney, Woodmere, N. Y. Molded integral sewing hole button of thermosetting synthetic resinous materials. 2,451,077, Oct. 12.
- Emulsol Corporation, The, assignee: *See*—
Cahn, Frank J.
- Enck, Charles E., assignor to Cresco Manufacturing Company, Ashland, Ohio. Jacket with biswing gusset in front and in back. 2,457,356, Dec. 28.
- Endicott Johnson Corporation, assignee: *See*—
Exley, Leo F.
- Endless Belt Corporation, assignee: *See*—
Goepfert, Otto F.
- Ener, Joe, Jr., et al., assignee: *See*—
Carlin, Bernard.
- Enerud, Olaf C., Brooklyn, N. Y. Adjustable pitch airplane propeller. 2,452,444, Oct. 26.
- Engdahl, Richard B., Columbus, Ohio, assignor, by mesne assignments, to Bituminous Coal Research, Inc., Pittsburgh, Pa. Flow meter. 2,439,723, Apr. 13.
- Engel, Erich, Tonteg, near Pontypridd, assignor to Aero Zipp Fasteners Limited, London, England. Slider for sliding fasteners. 2,456,822, Dec. 21.
- Engel, Erich, Tonteg, near Pontypridd, and M. Salamon, Cardiff, Wales, assignors to Aero Zipp Fasteners Limited, London, England. Press tool. 2,437,945, Mar. 16.
- Engel, George C.: *See*—
Amend, Adolph, Jr., and Engel.
- Engel, James E.: *See*—
Kodman, Francis C., and Engel.
- Engel, James S., New Rochelle, assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency power supply to multiple loads. 2,454,784, Nov. 30.
- Engel, Karl, Swampscott, Mass. Making shoes with upwardly deflected soles. 2,448,301, Aug. 31.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation with picolines and lutidines. 2,445,944, July 27.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Resolution of nitrogen base mixtures. 2,456,773, Dec. 21.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of quinoline from a mixture of nitrogen bases. 2,456,774, Dec. 21.
- Engelbrecht, Heinz-Joachim, Dessau, Germany, assignor, by mesne assignments, to American Hyalcol Corporation, Wilmington, Del. Manufacture of quaternary nitrogen-compounds. 2,445,319, July 20.
- Engelbrecht, Henry C., Carthage, Mo. Switch operator for lamp tables. 2,437,809, Mar. 16.
- Engelhardt, Lloyd F., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Cowl flap operating mechanism. 2,455,858, Dec. 7.
- Engelken, Mary A., executrix: *See*—
Engelken, Richard C.
- Engelken, Richard C., deceased, by M. A. Engelken, executrix, Clifton, N. J. Multiprogram projector. 2,434,200, Jan. 6.
- Engelken, Richard C., deceased, by M. A. Engelken, executrix, Clifton, N. J. Control system for multiprogram projectors. 2,434,201, Jan. 6.
- Engelman, Edmund: *See*—
Master, Warren S., and Engelman.
- Engels, William H., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Iodized salt composition. 2,452,641, Nov. 2.
- Enger-Kress Company, assignee: *See*—
Pence, William A.
- Enghauser, Winford L., Cincinnati, assignor to The Production Plating Works, Inc., Lebanon, Ohio. Machine for closing tube ends. 2,434,737, Jan. 20.
- Engineering Controls, Inc., assignee: *See*—
Wallace, John H., and Smith.
- Engineering Laboratories, Inc., assignee: *See*—
Green, William G.
- England, August J., Providence, R. I. Die set with feeding means. 2,454,143, Nov. 16.

- England, Elmer A., Kalamazoo, Mich. Rope or wire tightener. 2,451,933, Oct. 19.
- England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Control circuit for gas discharge tubes. 2,446,533, Aug. 10.
- Englander, Benjamin F., assignee: *See*—Snodgrass, Benjamin W.
- Englander, Joseph B., Woodmere, N. Y. Annunciating device. 2,455,922, Dec. 14.
- Engle, Burr N. and J. B., Los Angeles, Calif. Teeth setter for saws. 2,441,403, May 11.
- Engle, Burr N. and J. B., Los Angeles, Calif. Device for setting saw teeth. 2,441,404, May 11.
- Engle, Emmet R., Berwyn, Ill. Fermenting whey. 2,449,064, Sept. 14.
- Engle, John B.: *See*—Engle, Burr N. and J. B.
- Engle, Loy S., Harrington Park, E. Sheridan, South Bound Brook, N. J., and E. K. Fischer, Long Island City, assignors to Interchemical Corporation, New York, N. Y. Making urea-aldehyde resin dispersions. 2,454,785, Nov. 30.
- Engler, Herman, assignor to P. Koletzko and C. A. Hands, New York, N. Y. Preparation for treating launderable fabric articles. 2,439,460, Apr. 13.
- Engler, Lawrence, assignee: *See*—Engler, Sidney.
- Engler, Sidney, assignor of one-half to L. Engler, Chicago, Ill. Neckwear. 2,442,235, May 25.
- Englert, Leonard C.: *See*—Hassler, John H., and Englert.
- English Electric Company Limited, The, assignee: *See*—Carnegie, Herbert S., and Dolan.
- Hopper, Stanley D., and Hassler.
- Smart, David L.
- Stearn, George F.
- Tagg, George F.
- Welsh, Robert J.
- Welsh, Robert J., and Cox.
- English Electric Company of Canada Limited, assignee: *See*—Mallett, Montville B.
- English, Leonard W., London, England. Straining or filtering apparatus for liquids. 2,453,622, Nov. 9.
- English Numbering Machines Limited, assignee: *See*—Namenyi-Katz, Laszlo.
- Englund, Edwin H. L., Muskegon Heights, Mich. Automatic electric toolholding switch. 2,444,188, June 29.
- Englund, Leonard H., assignor to James H. Rhodes & Company, Chicago, Ill. Cleansing and scouring pad and method. 2,447,241, Aug. 17.
- Engsteth, Martin O., Minneapolis, Minn. Grease gun. 2,435,647, Feb. 10.
- Engstrom, Oscar L., New York, N. Y. Liquid mixing and dispensing apparatus. 2,453,004, Nov. 2.
- Enns, John H., Ann Arbor, Mich., assignor to Leeds and Northrup Company, Philadelphia, Pa. Stabilized control gap for spark spectroscopes. 2,456,116, Dec. 14.
- Enochs, John R.: *See*—Welch, Alfred F., and Enochs.
- Enrico, Robert J.: *See*—Iredell, Charles V., and Enrico.
- Ensign Ribbon Burners, Inc., assignees: *See*—Flynn, John H., and Ensign.
- Ensign, William B.: *See*—Flynn, John H., and Ensign.
- Ensinger, Willis B., Silver Spring, Md., assignor to United States of America as represented by the Secretary of the Navy. Reflector collimator sight for torpedo ejectors. 2,453,122, Nov. 9.
- Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the modulation of electrical oscillations. 2,456,494, Dec. 14.
- Ensley, Bert De W., Seattle, Wash. Coin display block. 2,434,553, Jan. 13.
- Ensley, Fern E.: *See*—Loudenslager, Oscar W., Gardner, and Ensley.
- Enter, Harold J., Webster, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyepiece with non-abrasive cap member. 2,446,365, Aug. 3.
- Enterline, Henry M.: *See*—West, Herbert J., and Enterline.
- Enterprise Aluminum Company, The, assignee: *See*—Harris, Robert D.
- Enterprise Manufacturing Company of Pennsylvania, The, assignee: *See*—Wormack, Herbert A., and Hess.
- Epelberg, Jack: *See*—Pfeffer, Edward C., Jr., and Epelberg.
- Eppich, Elizabeth, Cleveland, Ohio. Hair curler. 2,450,542, Oct. 5.
- Eppig, Henry J.: *See*—Hart, David, and Eppig.
- Epprecht, Edward H., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for automatic control of heat input to stillpots. 2,455,243, Nov. 30.
- Epps, Thomas B., Boston, Mass. Display box. 2,446,366, Aug. 3.
- Epstein, Albert A., New York, N. Y. Coffee concentrate and producing it. 2,457,036, Dec. 21.
- Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Image projection system. 2,454,144, Nov. 16.
- Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Mounting system for elements of television projectors. 2,455,476, Dec. 7.
- Epstein, William H., Brooklyn, N. Y. Blucher type shoe with removable plug. 2,444,640, July 6.
- Equitable Paper Bag Co. Inc., assignee: *See*—Elwell, Richard D.
- Lofgreen, Carl H.
- Era Tool and Engineering Company, assignee: *See*—Lonze, Ervin O.
- Eras, Vincent J. M., assignor to Lips' Brandkasten-en Slotenfabriek N. V., Dordrecht, Netherlands. Combination lock with rotating tumbler discs. 2,436,859, Mar. 2.
- Erb, George C., Forest Hills, assignor to American Can Company, New York, N. Y. Container closure manufacture. 2,443,185, June 15.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Can cover remover. 2,448,522, Sept. 7.
- Erb, George H., South Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Electrical connector. 2,444,433, July 6.
- Erbach, Lawrence F., Chicago, Ill., and A. T. Riedl, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Safety belt. 2,435,428, Feb. 3.
- Erbach, Margaret, Milwaukee, Wis. Antirattler for window sashes. 2,446,912, Aug. 10.
- Erdaahl, Nicholas M., assignor to Trackson Company, Milwaukee, Wis. Combined crane and material-moving device. 2,446,220, Aug. 3.
- Erdle, Reiner W., assignor to Dental Research Corporation, Chicago, Ill. Making artificial teeth. 2,450,885, Oct. 12.
- Erhardt, Oscar P., West Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy loading station. 2,438,603, Mar. 30.
- Erhardt, Oscar P., assignor to The A. C. Gilbert Company, New Haven, Conn. Constructional toy building elements. 2,442,122, May 25.
- Ericks, Walter F.: *See*—Moore, Leonard P., and Ericks.
- Ericksberg, Alvah O.: *See*—Osterman, Joseph T., and Ericksberg.
- Ericksberg, Alvah O., Springfield, and J. T. Osterman, Northampton, assignors to American Bosch Corporation, Springfield, Mass. Electric coil. 2,434,492, Jan. 13.
- Erickson, Carl A., Baltimore, Md. Excavating apparatus. 2,440,501, Apr. 27.
- Erickson, Carl E., and F. L. Zufelt, assignors to Northfield Iron Company, Northfield, Minn. Feed trough. 2,448,707, Sept. 7.
- Erickson, Carl V., Kansas City, Kans., assignor to Speer & Koenig, Kansas City, Mo., a co-partnership composed of J. G. Speer and H. G. Koenig. Mounting assembly. 2,447,171, Aug. 17.
- Erickson, Clayton A., U. S. Navy. Safety latch. 2,447,001, Aug. 17.
- Erickson, Edwin R., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of dialkylated polyhydric phenols. 2,439,421, Apr. 13.
- Erickson, Edwin R., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Stabilization of styrene and polymerizable ring chlorinated styrenes. 2,455,745, Dec. 7.
- Erickson, Edwin R., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Stabilization of vinyl aromatic compounds. 2,455,746, Dec. 7.
- Erickson, George W., Rice Lake, Wis. Duck retriever. 2,444,597, July 6.
- Erickson, James S., assignor to Sugar Creek Creamery Company, Danville, Ill. Immersion type refrigerating device. 2,440,397, Apr. 27.
- Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing n-alkyl acrylamides. 2,451,436, Oct. 12.
- Erickson, Lester H., Los Angeles, Calif. Surgical stitching instrument. 2,439,383, Apr. 13.
- Erickson, Prentiss E., Minneapolis, Minn. Arch support. 2,435,822, Feb. 10.
- Erickson, Sidney W., Los Angeles, Calif. Crawl drophead for drain cleaners. 2,443,130, June 8.
- Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fluid pulsator transmission system. 2,454,311, Nov. 23.
- Ericson, John R.: *See*—Dawson, Edward, and Ericson.
- Ericson, Sigge H., Brooklyn, N. Y. Sludge pumping apparatus. 2,449,596, Sept. 21.
- Ericsson, Arnold H., Jarna, Sweden. Bread cutting board with crumb tray. 2,452,445, Oct. 26.
- Erie Mining Company, assignee: *See*—De Vaney, Fred D.
- Erie Resistor Corporation, assignee: *See*—Minnium, Byron B.
- Erikson, Bror W.: *See*—Coggeshall, Almy D., and Erikson.
- Eriksson, Erik E.: *See*—Thompson, Richard A., Erikson, and Carlson.

- Erismann, Adolph C., Port Richmond, assignor to L. Kushner, doing business as the Metropolitan Mechanical Display Company, New York, N. Y. Display device embodying hinged or pivoted members simulating book leaves. 2,449,462, Sept. 14.
- Erismann, John L., Oak Park, Ill., assignor to Link-Belt Company. Apparatus for treating flowable solids. 2,452,362, Oct. 26.
- Erk, Anthony S., Montreal, Quebec, Canada, assignor, by mesne assignments, to Northam Warren Corporation, Stamford, Conn. Brush-stem forming machine. 2,447,499, Aug. 24.
- Erkkila, Andrew, assignor to Independent Lock Company, Fitchburg, Mass. Lock casing construction. 2,454,145, Nov. 16.
- Erkkila, Armas V., Attica, and R. C. Hoare, Hamburg, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Production of N-alkylated aminoanthraquinones. 2,443,899, June 22.
- Erko Corporation, assignee: *See*—
Ehrlich, Josef.
- Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Refrigerating apparatus of the intermittent absorption or adsorption type. 2,438,105, Mar. 23.
- Erlich, Saul L., assignee: *See*—
Rogoff, Abraham M.
- Erlich, Saul L., Malden, assignor of one-half to A. M. Rogoff, Boston, Mass. Making force lasted shoes. 2,442,559, June 1.
- Erlich, Victor L., New York, N. Y. Utilizing proteinaceous waste liquids. 2,446,913, Aug. 10.
- Ernst, Gottlieb, Cordell, Okla. Mail box. 2,438,043, Mar. 16.
- Ernst, Max, Wiesendangen, Switzerland. Dual fountain pen. 2,457,217, Dec. 28.
- Ernst, Walter: *See*—
Geiger, George M., and Ernst.
Greene, Arthur M., Jr., and Ernst.
MacMillin, Howard F., Ernst, and Waldie.
- Ernst, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Solenoid with plunger. 2,436,992, Mar. 2.
- Ernst, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation. Press control system. 2,443,345, June 15.
- Ernst, Walter, Mount Gilead, J. A. Muller, Dayton, and V. S. Shaw, Mount Gilead, Ohio, assignors to H-P-M Development Corporation. Press with auxiliary ejector circuit. 2,443,311, June 15.
- Erskine, Douglas W.: *See*—
Bruce, William H., and Erskine.
- Erskine, Robert A.: *See*—
Lane, Albert M., Kirkpatrick, and Erskine.
- Erson, Erik G., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,438,390, Mar. 23.
- Ertzman, William F., Pittsburgh, assignor to The Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for indicating the condition of an atmosphere. 2,438,550, Mar. 30.
- Ertzman, William F., assignor to The Bristol Company, Waterbury, Conn. Electrical detector network. 2,447,321, Aug. 17.
- Erwood Co., The, assignee: *See*—
Erwood, Joseph.
- Erwood, Joseph, assignor to The Erwood Co., Crystal Lake, Ill. Intermittent operating mechanism. 2,453,123, Nov. 9.
- Esbjornson, Per H., Wright, assignor to The Coolerator Company, Duluth, Minn. Apparatus for bending hard grainless fiber sheets. 2,446,413, Aug. 3.
- Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: *See*—
Obriest, Heinrich.
Schmidt, David.
- Escoffery, Charles A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Semiconductor. 2,450,887, Oct. 12.
- Escoffery, Charles A., East Orange, N. J., and M. D. Merva, Bernice, Pa., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Semiconductor. 2,450,886, Oct. 12.
- Escoffery, Charles A., and W. H. Hawk, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,457,138, Dec. 28.
- Escott, William: *See*—
Macpherson, Duncan J., Lefebvre, and Escott.
- Esecon, Simon, Malden, Mass. Pleat holding or clamping device. 2,437,084, Mar. 2.
- Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Valve for aircraft cooling systems. 2,437,187, Mar. 2.
- Eshleman, Richard F., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Warp knitting machine. 2,441,189, May 11.
- Eshner, Allen J.: *See*—
Raines, Arnold, Boydston, and Eshner.
- Eskenazi, Alfred: *See*—
Bergier, Jacques, Eskenazi, and Helbronner.
- Eskew, Roderick K., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Extraction of rutin. 2,448,175, Aug. 31.
- Esler, Charles G.: *See*—
Maechtelen, Lawrence G., Duvall, and Esler.
- Eslinger, Genevieve B., assignee: *See*—
Eslinger, Wallace V., and Barton.
- Eslinger, Wallace V., and W. N. Barton, Arlington; said Eslinger assignor to G. G. Eslinger, Falls Church, Va. Pressure indicator. 2,452,296, Oct. 26.
- Esmco Auto Products Corporation, assignee: *See*—
Greene, David.
- Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Société pour l'Application d'Inventions Scientifiques, Luxembourg (Luxemburg). Combustion apparatus for solid combustibles in fragments. 2,452,843, Nov. 2.
- Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Société pour l'Application d'Inventions Scientifiques, Luxembourg (Luxemburg). Process and apparatus for burning solid fuel. 2,452,844, Nov. 2.
- Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Switch for high-frequency electrical oscillations. 2,452,113, Oct. 26.
- Espley, Dennis C., North Wembley, and D. O. Walter, Wembley assignors to The General Electric Company Limited, London, England. Synchronising of alternating voltage sources. 2,442,123, May 25.
- Esselen, Gustavus J., Swampscott, Mass. Food product. 2,297,878, Mar. 2.
- Esseling, Cornelis J., assignor to Werf Conrad En Stork Hijsch N. V., Haarlem, Netherlands. Rotary drill. 2,434,104, Jan. 6.
- Essel Corporation, assignee: *See*—
Schulz, Fred R.
- Essex Wire Corporation, assignee: *See*—
Helgason, Arni.
Prouty, Robert E., Bish, and Adams.
Schwennessen, Donald O.
- Essick, Bryant, Los Angeles, Calif. Blower. 2,450,647, Oct. 5.
- Esson, Edwin: *See*—
Douthat, Edward M., and Esson.
- Ester, Donald P.: *See*—
Bludworth, Joseph E., and Ester.
- Estey, Maynard E., assignor to Estey Pump Company, Inc., Canandaigua, N. Y. Seal for shafts. 2,444,249, June 29.
- Estey Pump Company, Inc., assignee: *See*—
Estey, Maynard E.
- Estey, Roger S.: *See*—
Peck, William F., Harper, and Estey.
- Etgen, Elmer H., Los Angeles, Calif. Auxiliary vehicle truck. 2,440,502, Apr. 27.
- Etter, Henry L., Lemasters, Pa. Pump. 2,446,748, Aug. 10.
- Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical screw driver with screw gripping jaws. 2,444,287, June 29.
- Euclid Production Development Corp., assignee: *See*—
Humphreys, Marion W.
- Euclid Road Machinery Co., The, assignee: *See*—
Snow, Virgil L.
- Eulhardt, Edward C.: *See*—
Jones, Minor C. K., and Eulhardt.
- Eumuco (England) Limited, assignee: *See*—
Emanuel, Frederick.
- Eureka Williams Corporation, assignee: *See*—
Hahn, Paul T., and Coss.
Hammell, Kemper M.
Hammell, Kemper M., and Comiskey.
Whipple, Leon V.
Williams, Walter W.
- Evans, Archibald D., assignor to Pangborn Corporation, Hagerstown, Md. Tumbling mill. 2,440,819, May 4.
- Evans, Benjamin A., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making an endless belt. 2,439,043, Aug. 6.
- Evans, Charles S., Atherton, Calif., assignor, by mesne assignments, to Morton Gregory Corporation. Stud for welding. 2,455,244, Nov. 30.
- Evans, Clarence A., Atlanta, Ga. Molding hollow objects. 2,451,934, Oct. 15.
- Evans, Cyril D., Peoria, Ill., and R. H. Manley, St. Paul, Minn., assignors to United States of America as represented by the Secretary of Agriculture. Plasticized prolamine composition. 2,437,946, Mar. 16.
- Evans, Earl R., Urbana, Ill. Grain blender. 2,455,572, Dec. 7.
- Evans, Edward L., Wilmington, N. C. Door holder. 2,454,505, Nov. 23.
- Evans, Edwin R., Orchard Lake Village, Mich., assignor to Dardet Threadlock Corporation. Stud and installation thereof. 2,437,638, Mar. 9.
- Evans, Gerald B.: *See*—
Lathum, John W., Jr., Pickett, and Evans.
- Evans, Harold W., Takoma Park, D. C. Gun mount for land and water vehicles. 2,441,874, May 18.
- Evans, Hector C.: *See*—
Elmore, Norman M., and Evans.
- Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Super high frequency wattmeter. 2,451,724, Oct. 19.
- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Heat detection device. 2,437,085, Mar. 2.

- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Pulse-echo radio velocity indicator. 2,450,946, Oct. 12.
- Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Obstacle detector. 2,445,213, July 13.
- Evans, Latimer R., Wilmington, Del., and H. B. Hass, West Lafayette, Ind., assignors to The United States Atomic Energy Commission. Purification of perfluoroheptane by azeotropic distillation with methyl ethyl ketone. 2,442,589, June 1.
- Evans, Le Roy J., Orlando, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,447,268, Aug. 17.
- Evans, Louis P.: *See*—
Simpson, Thomas P., and Evans.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Converting hydrocarbon gases. 2,448,257, Aug. 31.
- Evans, Louis P., Woodbury, C. V. Hornberg, Wenonah, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases with particle form solid contact materials. 2,434,202, Jan. 6.
- Evans, Newton, Montrose, assignor to Don Baxter, Inc., Glendale, Calif. Device for packaging and dispensing intravenous solutions. 2,447,691, Aug. 24.
- Evans, Norman L., Northwich, England, assignor to Imperial Chemical Industries Limited. Cleaning of metals. 2,442,802, June 8.
- Evans Products Company, assignee: *See*—
Earley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
Kaumeyer, Richard A., and Rabb.
Nampa, Sulo M.
- Evans, Ralph L., Bay Shore, N. Y. Regenerated keratin. 2,434,688, Jan. 20.
- Evans, Sanford, Westport, assignor to The Bassick Company, Bridgeport, Conn. Wheel mounting. 2,443,900, June 22.
- Evans, Theodore W.: *See*—
Finch, Harry D., Ballard, and Evans.
Hatch, Lewis F., and Evans.
Hearne, George W., Evans, and Yale.
Morris, Rupert C., and Evans.
- Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Silver catalysts. 2,446,132, July 27.
- Evans, Theodore W., Oakland, R. C. Morris, Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Amides of cyclic sulfones. 2,435,071, Jan. 27.
- Evans, Theodore W., Oakland, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkyd resins. 2,435,429, Feb. 3.
- Evans, Theodore W., Oakland, and D. S. Melstrom, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Beta, gamma-alkenyl ethers of glycerol, and esters thereof. 2,446,464, Aug. 3.
- Evans, Theodore W., Oakland, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Convertible alkyd resins. 2,448,258, Aug. 31.
- Evans, Theodore W., and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Autocondensation polymers of unsaturated glycidyl ethers and method of producing same. 2,450,234, Sept. 28.
- Evans, Val G.: *See*—
Tackett, James R., and Evans.
- Evans, Walter E., Warsaw, Ind. Object lifting and moving jack. 2,439,288, Apr. 6.
- Evco, Inc., assignee: *See*—
Braude, Jack J.
- Even-Pul Foundations, Inc., assignee: *See*—
Rosner, Irving.
- Evensen, Christian, Melrose Park, Ill. Coffee-making apparatus. 2,447,692, Aug. 24.
- Evenwell, David, San Francisco, Calif. Lipstick dress protector. 2,455,986, Dec. 14.
- Everel Propeller Corporation, assignee: *See*—
Hackethal, Paul F., and Karey.
- Everett, John L., and A. Raines, Philadelphia, Pa. Transmitter for self-synchronous systems. 2,452,042, Oct. 26.
- Everett, Leonard, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Trigger operated carrier telegraph transmitter. 2,434,916, Jan. 27.
- Everett, Samuel J., Thornton Heath, England. Medical syringe. 2,444,982, July 13.
- Everhart, Arbor G.: *See*—
Busignies, Henri G., Clark, and Everhart.
- Evering, Bernard L.: *See*—
D'Ouville, Edmond L., and Evering.
- Evering, Bernard L., assignor to Standard Oil Company, Chicago, Ill. Heptane isomerization. 2,443,607, June 22.
- Evering, Bernard L., Chicago, Ill., and E. L. D'Ouville, Pittsburgh, Pa., assignors to Standard Oil Company, Chicago, Ill. Production of neohexane. 2,443,608, June 22.
- Evering, Bernard L., Chicago, Ill., and A. P. Lien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion process. 2,449,463, Sept. 14.
- Evering, Bernard L., Chicago, Ill., A. P. Lien, Hammond, Ind., and J. M. Page, Jr., assignors to Standard Oil Company, Chicago, Ill. Desulfurization of oils. 2,450,588, Oct. 5.
- Everline, George, Hagerstown, Md. Antiskid tire chain. 2,436,715, Feb. 24.
- Evernden, George D., Dallas, Tex. Bean and pea pod splitter. 2,446,749, Aug. 10.
- Evers, Arthur J., Brooklyn, N. Y. Felt hardening machine. 2,442,590, June 1.
- Evers, Harry G., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Remote control system. 2,439,205, Apr. 6.
- Evers, Roy D., Eugene, Oreg., assignor of one-fourth to H. R. Swanson, and one-fourth to W. H. Swanson. Pulverizer for granulated materials. 2,442,486, June 1.
- Evers, William L.: *See*—
Auten, Robert W., and Evers.
- Eversharp, Inc., assignee: *See*—
Biro, Laszlo J.
- Ewald, Karl E., Chicago, Ill. Musical toy. 2,442,680, June 1.
- Ewald, William, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Reinforced structural sheet. 2,441,476, May 11.
- Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting apparatus. 2,440,464, Apr. 27.
- Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism for power-operated guns. 2,434,689, Jan. 20.
- Ewing, Albert L., Continental, Ohio. Folding arm davenport. 2,452,642, Nov. 2.
- Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-advancing reel. 2,435,430, Feb. 3.
- Ewing, Charles E., assignor to The General Industries Company, Elyria, Ohio. Two-speed drive for phonograph turntables. 2,438,266, Mar. 23.
- Ewing, Frederick J.: *See*—
Zwick, Fritz, Ewing, Carter, and Stosick.
- Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.
- Excel Incorporated, assignee: *See*—
Benda, Theodore R.
- Ex-Cell-O Corporation, assignee: *See*—
Coulson, Walter.
Dare, Curtis T.
High, Carl F.
Hoffer, James F.
Karweit, John W.
Mathys, Max A.
Seyferth, Harold N.
Snader, Ira J.
Snader, Ira J., and Seyferth.
Taylor, Milton C.
- Exhibit Supply Company, assignee: *See*—
Hughes, Edward H.
- Exhibit Supply Company, The, assignee: *See*—
Smith, Percy C.
- Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Cutting block. 2,439,652, Apr. 13.
- Exline, Paul G.: *See*—
Pigott, Reginald J. S., and Exline.
- Expanded Rubber Company Limited, assignee: *See*—
Cooper, Alfred.
Kirby, Richard A.
Staudinger, Hanns P., Kelly, and Cooper.
- Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.
- Exum, Raymond E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Self-sealing coke oven door. 2,442,348, June 1.
- Exum, Raymond E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Heat insulating device for coke oven doors removed by door handling machines. 2,442,349, June 1.
- Eyerluss, Leslie L., Belleville, N. J. Toy highway traffic signal light. 2,448,302, Aug. 31.
- Eyles, Wilfred C., Bayfield, Colo., and Carl E. Hyatt, East San Diego, Calif. Tile-sawing machine. 2,444,598, July 6.
- Eypper, George W., Montclair, N. J. Cord adjusting and storage device. 2,449,464, Sept. 14.
- Eyre, Donald: *See*—
Griffith, Alan A., and Eyre.
- Eyre, Donald, Alveston, Derby, assignor to Rolls-Royce Limited, Derby, England. Air-coolers for internal-combustion turbines. 2,435,557, Feb. 3.
- Eyre Smelting Company, Limited, The, assignee: *See*—
Higgins, Cecil C.
- Ezbelent, Georges E., Paris, France. Weaving machine. 2,454,146, Nov. 16.
- E Z Paint Corporation: *See*—
Faust, William R.
Touchett, Lawrence P.
- F. & V. Manufacturing Co. Inc., assignee: *See*—
Vastano, Joseph J.

- Faber, Carl F., Effingham, Ill. Safety signal flag. 2,441,875, May 18.
- Faber, John P., assignor to Ransome Machinery Company, Dunellen, N. J. Concrete spreader. 2,438,159, Mar. 23.
- Faber, John P., assignor to Ransome Machinery Company, Dunellen, N. J. Concrete spreader. 2,439,620, Apr. 13.
- Faber, Ralph L., assignee: *See*—
Lomasney, Edmund P.
- Fabiá, Manuel A. G., assignor to Tecnica Industrial y Comercial Sociedad Anonima Tecosa, Buenos Aires, Argentina. Progressive variable-speed device. 2,438,778, Mar. 30.
- Fabian, Emil L., Vallejo, Calif. Rotary compressor lubrication. 2,450,190, Sept. 28.
- Fabricon Products, Inc., assignee: *See*—
Weik, Karl.
- Factory Mutual Research Corporation, assignee: *See*—
Thompson, Norman J.
- Fadeley, Herbert J., Jr., North Wales, Pa. Compound culinary implement. 2,457,037, Dec. 21.
- Faerber, Harry W., Larchmont, assignor to Time, Inc., New York, N. Y. Web folding mechanism. 2,435,881, Feb. 10.
- Faerber, Harry W., Larchmont, assignor to Time, Inc., New York, N. Y. Coating machine. 2,456,495, Dec. 14.
- Faelten, Carl R.: *See*—
Morgan, Willard L., and Faelten.
- Fafnir Bearing Company, assignee: *See*—
Reynolds, Harry R.
- Fagan, James L., Chicago, Ill. Locomotive cab. 2,442,236, May 25.
- Fagen, William F., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric fence. 2,443,232, June 15.
- Fageol Company, R. D., assignee: *See*—
Leibing, William E.
- Fageol, R. D., Co., assignee: *See*—
Leibing, William E.
- Fageol, William E., and Fageol.
- Fageol, Robley D.: *See*—
Leibing, William E., and Fageol.
- Fahland, Frank, Omaha, Nebr. Crossbar support for vehicles. 2,440,437, Apr. 27.
- Fahlström, Otto I., Stockholm, Sweden. Knee joint for prostheses. 2,452,446, Oct. 26.
- Fahnestock, Frank C., Manhasset, and W. Ulrich, Pleasantville, N. Y., assignors of one-half to Socony-Vacuum Oil Company, Incorporated, and one-half to The Lummus Company. Hydrocarbon conversion in presence of particle form catalysts. 2,434,843, Jan. 20.
- Fahrner, Joseph A., U. S. Navy. Intervalometer calibration checker. 2,435,210, Feb. 3.
- Failla, Ignatius G.: *See*—
Gravinese, Frank A. V., and Failla.
- Fain, Mitchell S., New Haven, Conn. Carding machine. 2,435,431, Feb. 3.
- Fair, Irvin E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal mounting. 2,441,139, May 11.
- Fair, Irvin E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuits for piezoelectric crystals. 2,448,581, Sept. 7.
- Fair, John L., assignor to The W. C. Wood Company Limited, Guelph, Ontario, Canada. Sterilizing arrangement for milk tubes. 2,441,878, May 18.
- Fair, Richard C., Wheeling, W. Va., assignor to Wheeling Furnace Corporation, Martins Ferry, Ohio. Means for mixing air with products of combustion of furnaces. 2,443,346, June 15.
- Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., Bituminous laminated material. 2,455,923, Dec. 14.
- Fairbairn, Alasdair W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of 1,3-dihalopropylenes. 2,449,286, Sept. 14.
- Fairbank, Carl S.: *See*—
Burdick, John S., and Fairbank.
- Fairbank, Murry N.: *See*—
Carbone, Joseph F., and Fairbank.
- Fairbank, Murry N., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Mold for forming porro prisms. 2,453,005, Nov. 2.
- Fairbanks, Glen, assignor of one-half to E. Babcock, Twin Falls, Idaho. Machine mounted hood device for protecting attendants from dust. 2,436,508, Feb. 24.
- Fairbanks, Gordon J., Glenview, assignor to Stewart-Warner Corporation, Chicago, Ill. Intermittent combustion hot-air heater. 2,443,556, June 15.
- Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Automatic loop replenisher. 2,434,355, Jan. 13.
- Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Heat screen control for motion picture projectors. 2,441,313, May 11.
- Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Kinetograph movement. 2,449,693, Sept. 21.
- Fairbanks, Henry N., Beverly Hills, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film sprocket clamp. 2,455,051, Nov. 30.
- Fairbanks, Jerry, Hollywood, Calif. Pressure device for camera mechanisms and filler inserts therefor. 2,451,161, Oct. 12.
- Fairbanks, Morse & Co., assignee: *See*—
Anderson, Gordon R.
- Bower, Clark D.
- Dimick, William A.
- Gulbrandsen, Guldbrand.
- Hobart, Franklin G.
- Justus, James E.
- Pedersen, Tage.
- Fairchild Camera and Instrument Corporation, assignee: *See*—
Doyle, Irving W.
- Doyle, Irving W., and Johnson.
- Gregory, Alfred T.
- Moore, David W., Jr.
- Penfold, Hilliard F., and Corte.
- Fairchild Engine and Airplane Corporation, assignee: *See*—
Gregory, Alfred T., and De Pew.
- Johnson, Halex.
- Mercier, Pierre E.
- Wescott, John E.
- Whitfield, Marshall G.
- Whitfield, Marshall G., and Sheshunoff.
- Fairchild Engineering Company, assignee: *See*—
Le Greid, Erwin L.
- Fairchild, Meryl R., Rochester, Ill. Hog catcher. 2,441,996, May 25.
- Fairchild, Sherman M., New York, N. Y., assignor, by mesne assignments, to W. B. Scarborough as trustee. Forming hollow laminated structures. 2,452,739, Nov. 2.
- Fairchild, Sherman M., New York, N. Y., assignor, by mesne assignments, to W. B. Scarborough as trustee. Molded structure. 2,452,740, Nov. 2.
- Fairey Aviation Company Limited, The, assignee: *See*—
Forsyth, Archibald G.
- Hodson, Charles F.
- Smith-Pert, George J., and Forsyth.
- Snader, Ira J., and Forsyth.
- Fairfield Manufacturing Company, assignee: *See*—
Boor, Francis H.
- Fairhurst, John, Miami, Fla. Speedometer switch. 2,433,895, Jan. 6.
- Fairley, Frank E., Canton, Ohio, and L. T. Lindquist, Bessemer, and C. D. Michaels and H. C. Rodgers, Birmingham, Ala., assignors to Tennessee Coal, Iron and Railroad Company. Apparatus for coating metal sheets. 2,446,697, Aug. 10.
- Fairweather, Robert W., Roslyn, N. Y. Sound wave direction determinator. 2,434,644, Jan. 20.
- Falcon, Joseph V., assignor to The Drybak Corporation, Binghamton, N. Y. Coat. 2,443,447, June 15.
- Falconbridge Nickel Mines, Limited, assignee: *See*—
Gronningsaeter, Anton M., and Hommeren.
- Fales, Elisha N., Washington, D. C. Control of vortex flow by pressure waves. 2,448,966, Sept. 7.
- Faige, Raymond L., Bethesda, Md. Portable electric signal light. 2,440,938, May 4.
- Faige, Robert N., and W. T. Mears, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Lamp conductor contact. 2,449,373, Sept. 14.
- Falk, Charles T.: *See*—
Falk, Joseph M., and C. T.
- Falk Corporation, The, assignee: *See*—
Bade, Alfred G.
- Falk, Louis W., Schmitter, and Maurer.
- Nolde, Arthur H.
- Schmitter, Walter P.
- Falk, Joseph M. and C. T., Kansas City, Mo. Top-stiffening tie bar for open-top trucks. 2,450,589, Oct. 5.
- Falk, Joseph M., and C. T., Kansas City, Mo. Holder and carrier for bottles and the like. 2,454,438, Nov. 23.
- Falk, Louis W., Milwaukee, and W. P. Schmitter and G. P. Maurer, Wauwatosa, assignors to The Falk Corporation, Milwaukee, Wis. Gear shaving machine. 2,452,520, Oct. 26.
- Falk, Morris, Leominster, assignor to Independent Lock Company, Fitchburg, Mass. Locking plate assembly and transmission. 2,442,763, June 8.
- Falkenburg, Lee B.: *See*—
Cowan, John C., Falkenburg, Teeter, and Skell.
- Falkoff, Adin D., Brooklyn, assignor to Universal Camera Corporation, New York, N. Y. Mounting for and including optical refracting means and method of forming the same. 2,437,947, Mar. 16.
- Fall, Albert P., Toledo, Ohio. Alighting gear scraper. 2,443,853, June 22.
- Fallert, Clifford D., and J. W. Meinhardt, assignors to Gaylord Container Corporation, St. Louis, Mo. Pallet construction. 2,446,914, Aug. 10.
- Fallon, Thomas F.: *See*—
Reinhardt, Otto K., and Fallon.
- Fallows, Leonard, and E. V. Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Polymerization of olefinic compounds. 2,453,788, Nov. 16.
- Fallows, Leonard, and E. V. Mellers, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Manufacture of hydrogen cyanide. 2,455,987, Dec. 14.
- Falls Spring & Wire Company, assignee, et al.: *See*—
Van Hove, Desire H.
- Falsey, Simon J., New Haven, Conn. Hose supporter. 2,447,904, Aug. 24.

- Fama, George: *See*—
Plunkett, Brian, and Fama.
- Famulener, Keith, Owego, and R. P. Easton, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Solutions of cellulose triacetate and preparing the same. 2,447,459, Aug. 17.
- Fanal Licht A.-G., assignee: *See*—
Reichstein, David.
- Fanelli, Walter, South Euclid, Ohio, and C. A. Laystrom, assignors to Faries Manufacturing Company, Decatur, Ill. Front for bathroom cabinet or similar article. Re. 23,055, Dec. 7.
- Fanshier, Chester, Bartlesville, Okla. Excess flow valve. 2,445,612, July 20.
- Fanslow, Benjamin O., Rockville Centre, N. Y. Ear protector. 2,439,289, Apr. 6.
- Fansteel Metallurgical Corporation, assignee: *See*—
Driggs, Frank H.
Fry, Stanley S.
Holmes, Carl E.
Hunter, Frederick L.
Mueller, George F.
- Fant, William J., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Signal mechanism. 2,455,573, Dec. 7.
- Fanto, Emil C.: *See*—
Omohundro, Allen L., and Fanto.
- Fantozzi, Vincent J.: *See*—
Metzger, Leopold H., and Fantozzi.
- Fanzol, John, Chicago, Ill. Light switch control. 2,436,748, Feb. 24.
- Farber, Eduard, assignor to Timber Engineering Company, New Haven, Conn. Producing lignin resins. 2,443,576, June 15.
- Farber, Eduard, New Haven, Conn., assignor to Polyxor Chemical Co., Inc. Conversion of furfuryl-alcohol. 2,445,137, July 13.
- Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Treating lignin residues. 2,453,213, Nov. 9.
- Farber, Eduard and M. S., assignors to Timber Engineering Company, Washington, D. C. Improving chemical reactivity and adsorptive capacity of lignin from wood saccharification. 2,449,209, Sept. 14.
- Farboil Paint Company, Inc., assignee: *See*—
Swartz, Milton D., and Yellott.
- Fargo Mfg. Company, Inc., assignee: *See*—
Becker, Stephen P.
- Faries Manufacturing Company, assignee: *See*—
Fanelli, Walter, and Laystrom.
Masterson, William F.
- Farina, Julius, assignor to Princes Shoe Company, Keene, N. H. Shoe last and support. 2,455,360, Dec. 7.
- Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating oil composition. 2,456,692, Dec. 21.
- Farkas, Eugene, New York, N. Y. Earring. 2,435,344, Feb. 3.
- Farkas, Francis S., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced wave filter. 2,452,114, Oct. 26.
- Farkas, Ladislaus G., and O. Schächter, Jerusalem, Palestine. Oxidizing primary or secondary alcoholic hydroxyl groups or aldehyde groups. 2,444,924, July 13.
- Farkas, Walter G.: *See*—
Flexser, Leo A., and Farkas.
- Farmer Bros. Coffee Co., assignee: *See*—
Ballerino, Richard E., and Ashdown.
- Farmer, Melvin M., Blue Island, Ill. Invalid transfer device. 2,439,163, Apr. 6.
- Farmer, Paul M., Maplewood, N. J. Selective control system for dispensing apparatus. 2,446,643, Aug. 10.
- Farmer, Perry C., Tacoma, Wash. Smoker's pipe case. 2,442,487, June 1.
- Farmer, Roy E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Steering gear. 2,445,263, July 13.
- Farmers and Merchants Bank, assignee: *See*—
Reynolds, Theron E., and Fyffe.
- Farnam Company, assignee: *See*—
Jensen, Deane L.
- Farnstrom, Harry L., Erie, Pa. Manually operated sheet metal flanging tool. 2,434,401, Jan. 13.
- Farnsworth Corporation, assignee: *See*—
Larson, Christian C.
- Farnsworth, Harry E.: *See*—
Witherby, Thomas H., and Farnsworth.
- Farnsworth Research Corporation, assignee: *See*—
Boober, Ortis C.
Buckbee, John A.
Cawein, Madison.
Cawein, Madison, and Sanders.
Ferguson, Joe C.
Ferguson, Joseph C.
Gardner, Bernard C.
Hallmark, Clyde E.
Halstead, William S.
Johnson, Lambert L.
Knox, Arthur L.
Larson, Christian C., and Hallmark.
Mayle, Louis F.
Pressley, Jackson H.
Salinger, Hans W. G.
Salinger, Hans W. G., and Mayle.
- Farnsworth Research Corporation, assignee: *See*—
Continued.
Sanders, Robert W.
Stagnaro, John A.
Weaver, Jerald D.
- Farr, Alton E., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control surface lock for aircraft. 2,439,206, Apr. 6.
- Farr, John W., Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,440,540, Apr. 27.
- Farrand Optical Co., Inc., assignee: *See*—
Axler, Meyer E., and Tripp.
- Farrar, Charles E., Sidon, Ark. Electric branding iron. 2,455,410, Dec. 7.
- Farrar, John E., Lakewood, Ohio. End connection for structural steel beams. 2,456,055, Dec. 14.
- Farrar, Walter G., Jr., Richmond, Va. Automobile tray. 2,443,381, June 10.
- Farrel-Birmingham Company, Inc., assignee: *See*—
Grant, James M. W.
MacLeod, Douglas W., and Perkins.
Schuck, Carl F.
- Farrell, Anna E., Seattle, Wash. Shoulder bolster and lingerie support. 2,447,141, Aug. 31.
- Farrell, Joseph K. O., London, England. Curler. 2,450,752, Oct. 5.
- Farrell, Robert A., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Food package. 2,441,477, May 11.
- Farrell, Robert A., and C. L. Wagner, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Applying heat-sealable labels. 2,446,414, Aug. 3.
- Farrell, Robert W., New York, N. Y. Film viewing device. 2,451,544, Oct. 19.
- Farrell, Roy B., Buffalo, N. Y. Smoke fume and gas ejector apparatus. 2,436,038, Feb. 17.
- Farrell, Thomas H.: *See*—
Hanson, Wesley T., Jr., and Farrell.
- Farris, Michael O., Eagle Rock, and J. M. O'Connor, and R. B. Gottschalk, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Fire extinguisher fluid. 2,446,272, Aug. 3.
- Farrow, Cecil, Bainbridge Township, Geauga County, assignor to Republic Steel Corporation, Cleveland, Ohio. Method and apparatus for magnetic testing. 2,434,203, Jan. 6.
- Farrow, Cecil, Bainbridge Township, Geauga County, Ohio. Remote-control generator circuit. 2,438,634, Mar. 30.
- Farrow, Cecil, Bainbridge Township, Geauga County, assignor to Republic Steel Corporation, Cleveland, Ohio. Ignitron welding control. 2,438,742, Mar. 30.
- Farry, Otis T., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Winding for electrical apparatus. 2,441,804, May 18.
- Farson, Ernest G., Xenia, Ohio. Screw driver having removable ratchet grip. 2,450,504, Oct. 5.
- Fasce, Egi V., Baton Rouge, La., and W. H. Wood, Warren, Pa.; S. T. Fasce, attorney-in-fact for said Egi V. Fasce, assignors to Standard Oil Development Company. Removal of acetylene from diolefin-containing mixtures. 2,451,327, Oct. 12.
- Fasce, Sarah T., attorney-in-fact: *See*—
Fasce, Egi V., and Wood.
- Fasoldt, Dudley E., Prospect Heights, Rensselaer, N. Y. Device for slitting the sheath of a cable. 2,457,540, Dec. 28.
- Fassnacht, Paul H., West Nyack, assignor to Precision Shapes, Inc., New York, N. Y. Apparatus for milling. 2,436,960, Mar. 2.
- Fast, Johann D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coated welding rod. 2,436,884, Mar. 2.
- Fast, Marion L., South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Locking means for clutch adjusting rings. 2,443,901, June 22.
- Faucherer, Henry G., Bern, Switzerland, assignor to Neher A. G. (Neher S. A.) Device for manufacturing pasteboard containers. 2,441,014, May 4.
- Faulkner, Charles B., Pico, Calif. Wheel chair attachment. 2,441,997, May 25.
- Faulkner, Donald: *See*—
Staudinger, Hanns P., Faulkner, and Wright.
- Faulkner, Russell E., Chicago, Ill. Device for conveying picked fruit from the hand to a remote receptacle. 2,437,461, Mar. 9.
- Faures, Morris H., assignee, et al.: *See*—
Sharp, Ralph P., Sr.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Alternating current telemetering transmitter. 2,436,639, Feb. 24.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Heated stylus inkless recorder. 2,454,966, Nov. 30.
- Fausek, Arthur J. and I. F., Clayton, Mo. Contact member and electrode for arc furnaces. 2,446,002, July 27.
- Fausek, Arthur J. and I. F., Clayton, Mo. Liquefaction and rectification column. 2,446,534, Aug. 10.
- Fausek, Arthur J. and I. F., Clayton, Mo. Liquefaction and rectification column. 2,446,535, Aug. 10.
- Fausek, Arthur J. and I. F., Clayton, Mo. Heat exchanger. 2,456,775, Dec. 21.
- Fausek, Irving F.: *See*—
Fausek, Arthur J. and I. F.

- Faust, Charles C., Lake Charles, La. Automobile door glass channel retainer. 2,449,210, Sept. 14.
- Faust, Charles L.: *See—*
Pray, Henry A., Faust, and Jelen.
- Faust, Charles L., Columbus, Ohio, assignor, by mesne assignments, to Reconstruction Finance Corporation. Obtaining granular alumina. 2,436,509, Feb. 24.
- Faust, Charles L., and P. D. Miller, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Continuous electropolishing nickel and nickel-containing alloys. 2,440,715, May 4.
- Faust, Howard C., assignee: *See—*
Pozun, John L., and Houghton.
- Faust, Jacob: *See—*
Libberthson, Leo, and Faust.
- Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,825, Nov. 30.
- Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,828, Nov. 30.
- Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Alkaline earth metal petroleum sulfonate compositions. 2,454,736, Nov. 23.
- Faust, Joseph V., St. Louis, Mo. Pedestal or base stand. 2,442,081, May 25.
- Faust, Rudolph E., Brooklyn, N. Y. Eccentric chuck. 2,456,776, Dec. 21.
- Faust, William R., Oshkosh, Wis., assignor to E Z Paints Corporation. Paint receptacle for use with roller type applicators. 2,444,096, June 29.
- Faust, William R., and H. O. Lorenzen, Washington, D. C. Permeability tuned intermediate frequency transformer. 2,447,002, Aug. 17.
- Favorman, Benjamin: *See—*
Chrein, Emanuel T., and Favorman.
- Favre, Edward A., Waltham, Mass. Safety window seat. 2,451,670, Oct. 19.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,435,432, Feb. 3.
- Favre, Marcel, Wettingen, assignor to "Patelhold" Patent-verwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Transmitter with anode voltage modulation. 2,436,066, Feb. 17.
- Fawcett, Cecil C., Philadelphia, and J. J. Hart, Bryn Mawr, Pa., assignors to United States of America as represented by the Secretary of War. Fuse. 2,452,553, Nov. 2.
- Fawcett, Eric W. M., G. I. Jenkins, and J. Habershaw, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of branched chain hydrocarbons catalyzed by a metal halide catalyst supported by a composite of alumina and titania. 2,437,948, Mar. 16.
- Fawcett, Eric W. M., and E. S. Narracott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of isoparaffins. 2,443,418, June 15.
- Fawcett, Eric W. M., A. Millien, and N. Mulhern, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Polystyrene-mineral oil extract plastic composition. 2,455,890, Dec. 7.
- Fawcett, Simpson, & Company Limited, assignee: *See—*
Simpson, Barry.
- Fawick Airflex Company, The, assignee: *See—*
Fawick, Thomas L.
- Fawick Airflex Company, Inc., The, assignee: *See—*
Fawick, Thomas L.
- Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Airflex Company, Inc. Assembly for brakes or clutches. 2,434,761, Jan. 20.
- Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Airflex Company. Assembly for brakes and clutches. 2,434,762, Jan. 20.
- Fawick, Thomas L., Akron, Ohio, assignor to The Fawick Airflex Company, Inc. Assembly for clutches and brakes. 2,439,849, Apr. 20.
- Fawkes, Donald G., Chicago, and F. R. Venton, Elmhurst, assignors to Crane Co., Chicago, Ill. Valve seat. 2,435,882, Feb. 10.
- Feximille, Inc., assignee: *See—*
Curtis, Richard C.
Hogan, John V. L., and Ressler.
- Faxon, Charles E., Republic, Wash. Confectionery forming mechanism. 2,448,786, Sept. 7.
- Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Magnetic field gradient measurement. 2,436,039, Feb. 17.
- Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Magnetic gradiometer. 2,440,503, Apr. 27.
- Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Magnetometer. 2,447,849, Aug. 24.
- Fay, Robert H., Wilbraham, Mass. Centering device. 2,444,559, July 6.
- Fayette Manufacturing Company, The, assignee: *See—*
Long, Leland E.
- Fayolle, Marcel, alias, assignee: *See—*
Ancet, Victor M. J.
- Fayolle, Marius, assignee: *See—*
Ancet, Victor M. J.
- Fazzio, Santo J., Glassboro, N. J. Hydraulic press. 2,438,433, Mar. 23.
- Feachem, Charles G. P., Northwich, England, assignor to Imperial Chemical Industries Limited. Prevention of deterioration of grain. 2,434,204, Jan. 6.
- Feagin, Roy C., assignor to Austenal Laboratories, Incorporated, New York, N. Y. Thermoplastic composition. 2,439,207, Apr. 6.
- Feagin, Roy C., Flushing, and E. H. Zahn, Pound Ridge, assignors to Austenal Laboratories, Incorporated, New York, N. Y. Casting mold. 2,441,695, May 18.
- Feagles, Don D.: *See—*
Thompson, Oscar T., and Feagles.
- Fear, Ralph G., Reseda, Calif. Shearing tool. 2,439,422, Apr. 13.
- Fear, Ralph G., Reseda, Calif. Expansible reamer. 2,439,968, Apr. 20.
- Fears, Margo S., Norfolk, Va., assignor to A. H. Grabb, Monticello, Ill. Protecting attachment for hair driers. 2,435,364, Nov. 9.
- Feasey, Charles E., Enfield, assignor to James Armstrong & Company Limited, London, England. Power actuated garment and like presses. 2,452,115, Oct. 26.
- Feasley, Charles F.: *See—*
Degering, Edward F., and Feasley.
- Feaster, Edward B., Springfield, Mass. Electric cord. 2,434,793, Jan. 20.
- Feather, David C., Portland, Oreg., assignor of one-half to Mechanical Research Company. Coacting cutting blades for scissors, shears, and the like. 2,436,560, Feb. 24.
- Featherbone, Warren, Co., The, assignee: *See—*
Kraft, Marie J.
- Feder Industries, Inc., assignee: *See—*
Arkus, Catherine.
- Federal Cartridge Corporation, assignee: *See—*
Hoffman, Harry W., and Helmer.
Reed, Cortes F.
- Federal Laboratories, Inc., assignee: *See—*
Weinert, Carl R.
- Federal Machine & Welder Co. assignee: *See—*
Westin, Sven and A. W.
- Federal Products Corporation, assignee: *See—*
Graves, Walter.
Worthen, John H.
- Federal Telecommunication Laboratories, Inc., assignee: *See—*
Libby, Lester L.
Parker, Louis W.
- Federal Telephone and Radio Corporation, assignee: *See—*
Alford, Andrew, and Watts.
Bokovoy, Samuel A., and Hawk.
Brillouin, Leon N.
Burroughs, Gordon S.
Busignies, Henri G.
Busignies, Henri G., and Allison.
Busignies, Henri G., Clark and Everhart.
Busignies, Henri G., and de Rosa.
Chesut, Frank O.
Chesut, Frank O., and Thomas.
Chevigny, Paul G.
Chevigny, Paul G., and Lehmann.
Churnell, Frank J.
Clark, Trevor H.
Coxey, Edward J.
Cronan, Walter I.
Deloraine, Edmond M.
Deloraine, Edmond M., and Grieg.
Deloraine, Edmond M., and Labin.
Denmark, Hyman S.
Denysen, Ivanhoe P.
De Rosa, Louis A.
Dodginton, Sven H. M.
Dubin, Lester.
Engel, James S.
Erb, George H.
Escoffery, Charles A.
Escoffery, Charles A., and Hawk.
Escoffery, Charles A., and Merva.
Everett, Leonard.
Fiore, William.
Frankel, Sidney.
Frankel, Sidney, and Silver.
Frink, Frederick W., and Kaplan.
Fuchs, Morton.
Goodale, Lynn C.
Grieg, Donald D.
Grieg, Donald D., Frum, and Dubin.
Hartstein, Sidney R., and Stolte.
Hoffman, Ross B.
Israelski, Ignatius J.
Kandolan, Armig G.
Kennedy, Arthur.
Knorr, Camillo A.
Kotterman, Chester A.
Labin, Emile.
Labin, Emile, and Grieg.
Labin, Emile, and Hoffman.
Lehmann, Gerard J.
Libby, Lester L.
Libby, Lester L., and Wallace.
Litton, Charles V.
Lomholt, Carl.
Mahren, Arthur.
Marchand, Nathan.
Master, Warren S.

Federal Telephone and Radio Corporation, assignee: *See—*
Continued.

Master, Warren S., and Engelman.
Miller, Arthur J., and Fleisher.
Miller, Edward H.
Miller, Horace G.
Neidorf, Samuel W.
Newitt, John H.
Nye, James H.
Pickles, Sidney B.
Preisman, Albert.
Richardson, Avery G., Chesus, and Thomas.
Richardson, Avery G., and Clark.
Richardson, Avery G., Dishal, and Le Grand.
Richardson, Avery G., and Kaplan.
Riecken, William E.
Robey, Richard F., Fedirko, and Barnett.
Saslaw, Otto.
Sherman, Vernon W.
Sherman, Vernon W., and Wheeler.
Silver, Martin, Segerstrom, and Reade.
Skinker, Murray F.
Skinker, Murray F., Denysen, and Kolmes.
Skinker, Murray F., Haigh, and Hall.
Soreny, Ernest V.
Smith, Archibald D., Jr., and Guthman.
Stamman, Murray J.
Stearn, Franklin A.
Tilston, Clarence A.
Unterweiser, Paul.
Wallace, Fred C.
Warner, Arthur J.
Warner, Arthur J., and Bakst.
Warner, Arthur J., and Talbot.
Watts, Chester B., Jr., and Himmel.
Wing, Arthur K., Jr.
Wing, Arthur K., Jr., and Backer.
Young, Norman H., Jr.
Zimmermann, Karl H.
Fedevich, Joseph, Dover, Ohio. Steerable vehicle under-
carriage. 2,453,311, Nov. 9.
Feenberg, Eugene, New York, N. Y., assignor to The Sperry
Corporation. Velocity modulation discharge tube ap-
paratus. 2,444,434, July 6.
Fehlberg, Ernest W., Walla Walla, Wash. Vehicle side
draft hitch. 2,446,083, July 27.
Feibel, Adolph H., Cincinnati, Ohio, assignor to The
Kelley-Koett Manufacturing Co., Inc., Covington, Ky.
X-ray protective device. 2,451,282, Oct. 12.
Feiertag, Karl M., Lagrange, Ind., assignor to General
Electric Company. Casing and fastening means there-
for. 2,456,934, Dec. 21.
Feigenbaum, David, Brooklyn, N. Y. Combination presser
foot and gauge for sewing machines. 2,441,478, May
11.
Feight, Oscar J., Columbus, Ohio, assignor, by mesne as-
signments, to The Jeffrey Manufacturing Company.
Batch feed hopper for garbage grinders. 2,453,006,
Nov. 2.
Felker, George E., Jr., Albany, N. Y., assignor to General
Electric Company. Microwave power measuring in-
strument. 2,434,610, Jan. 13.
Feld, Alexander L., Baltimore, Md., assignor, by mesne
assignments, to The American Rolling Mill Company,
Middletown, Ohio. Electrolytic polishing of stainless
steel. 2,442,591, June 1.
Feld, Alexander L., Baltimore, Md., assignor, by mesne
assignments, to The American Rolling Mill Company,
Middletown, Ohio. Electrolytic polishing of stainless
steel. 2,442,592, June 1.
Feld, Alexander L., Baltimore, Md., assignor to Armco
Steel Corporation. Nitriding process. 2,452,915, Nov. 2.
Feld, Theophilus A., Jr., E. W. Rugeley, and J. L. Petro-
kubi, Charleston, W. Va., assignors to Carbide and Car-
bon Chemicals Corporation. Production of textile fila-
ments, fibers, and yarns. 2,438,968, Apr. 6.
Feilden, Geoffrey B. R.: *See—*
McLeod, Roderick C., and Feilden.
Feller, Frederick W., Bloomfield, assignor to Weldon
Roberts Rubber Co., Newark, N. J. Vulcanized filled
rubber grinding wheel. 2,446,817, Aug. 10.
Fein, Martin L.: *See—*
Fisher, Charles H., and Fein.
Fein, Martin L., Riverside, N. J., and C. H. Fisher,
Arlington, Pa., assignors to the United States of
America as represented by the Secretary of Agricul-
ture. Phenoxymethyl lactate and a cellulose compound
plasticized therewith. 2,448,873, Sept. 7.
Feinberg, Albert E., assignor to Advance Transformer Co.,
Chicago, Ill. Gaseous discharge lamp circuit. 2,452,026,
Oct. 19.
Feinberg, Archie S., Dallas, Tex. Heat insulator for heat-
ing grilles. 2,434,763, Jan. 20.
Feinberg, Archie S., Dallas, Tex. Mat frame for evapora-
tive coolers. 2,450,191, Sept. 28.
Feinbloom, William, New York, N. Y. Tangent cone con-
tact lens. 2,438,743, Mar. 30.
Feine, August, & Sons, Co., assignee: *See—*
Jung, Earl A.
Feingold, Jacob C., Washington, D. C. Spring removing
and replacing tool. 2,441,696, May 18.
Feinstein, Morris A., Chicago, Ill. Heating unit fastener,
2,456,823, Dec. 21.

Feisst, Walter: *See—*
Roelen, Otto, and Feisst.
Feitl, Rudolf: *See—*
Schaaff, Louis W., Waldes, and Feitl.
Feitl, Rudolf, Brooklyn, assignor to Waldes Koh-I-Noor,
Inc., Long Island City, N. Y. Tool for handling retain-
ing rings. 2,455,165, Nov. 30.
Feitl, Rudolf, Brooklyn, and H. Wurzel, Bronx, assign-
ors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y.
Tool for handling open-ended retaining rings. 2,439,785,
Apr. 13.
Felber, John, Hillside, N. J., assignor to American Can
Company, New York, N. Y. Method and apparatus for
treating sheets with a deoxidizing medium. 2,442,350,
June 1.
Feldhausen, Cyril P.: *See—*
Elliot, William H., and Feldhausen.
Feldhausen, Cyril P., Wauwatosa, and R. M. Lommen,
assignors to Cutler-Hammer, Inc., Milwaukee, Wis.
Controller for motor-driven printing presses and other
machines. 2,438,276, Mar. 23.
Feldman, Harry A., New York, N. Y. Attachment for
violins and analogous instruments. 2,455,574, Dec. 7.
Feldman, Samuel: *See—*
Irish, Frank L., and Feldman.
Feldman, Samuel, Brooklyn, assignor to Felpert Incorporated,
New York, N. Y. Cap construction. 2,447,850,
Aug. 24.
Feldscher, John C.: *See—*
Ames, Robert S., Peterson, and Feldscher.
Feldt, Rudolf, and C. Berkley, New York, N. Y., assignors
to Allen B. Du Mont Laboratories, Inc., Passaic, N. J.
Cathode-ray tube spectrograph. 2,444,560, July 6.
Feldtkeller, Carl L., assignor to Solar Corporation, Mil-
waukee, Wis. Pusher attachment for conveyors.
2,435,072, Jan. 27.
Felker, Walton A., Torrance, Calif. Abrasive article and
manufacture. 2,434,314, Jan. 13.
Fell, Raymond E., assignor to Motor Wheel Corporation,
Lansing, Mich. Fuel control. 2,441,805, May 18.
Fell, Raymond E., and J. W. Miller, assignors to Motor
Wheel Corporation, Lansing, Mich. Fuel supply control
means for combustion apparatus. 2,438,275, Mar. 23.
Fell, Raymond E., and J. W. Miller, assignors to Motor
Wheel Corporation, Lansing, Mich. Vaporizing type
burner with resistance igniter. 2,448,142, Aug. 31.
Fellay, Louis J., and H. H. Kavanaugh, assignors to Dooley
Bros., Peoria, Ill. Mine drill support and driving mech-
anism. 2,456,056, Dec. 14.
Feller, Anton M., Elizabeth, N. J., assignor to Control
Instrument Company, Inc., Brooklyn, N. Y. Salinity
metering system. 2,456,117, Dec. 14.
Felpert Incorporated, assignee: *See—*
Feldman, Samuel.
Felser, Joseph, Jr., Guam, Marianas Islands. Pressure
unloader for compressors. 2,449,740, Sept. 21.
Felter, John S.: *See—*
Thomas, Charles E., Felter, and Ness.
Feltman, Eric G.: *See—*
Strauss, Alfred, Feltman, Hunt, and Harbaugh.
Felton, George F., Millers Falls, Mass. Holding device.
2,452,118, Oct. 26.
Felzer, Joseph, Los Angeles, Calif. Vehicle lift.
2,450,648, Oct. 5.
Fender, Clarence L., and C. O. Kauffman, Fullerton, Calif.
Pickup unit for stringed instruments. 2,455,575, Dec. 7.
Fengler, Ferdinand, assignor to The E. Ingraham Com-
pany, Bristol, Conn. Bell mount for timepieces.
2,434,460, Jan. 13.
Fengler, William W.: *See—*
Rogers, Thomas H., and Fengler.
Fenimore, Edward P., Drexel Hill, assignor to Bowman
Gum, Inc., Philadelphia, Pa. Chewing gum. 2,438,551,
Mar. 30.
Fenlon, Hugh F., Pelham, assignor of one-half to J. J.
Dougherty, St. Albans, N. Y. Pipe coupling. 2,451,437,
Oct. 12.
Fenn, Howard N.: *See—*
Collings, William R., Fenn, and Fletcher.
Fenn, James E., Baldwin, N. Y. Novel adhesive product
and making same. 2,457,357, Dec. 28.
Fennema, Pieter H., J. G. Kronauer, and F. Prakke, Eind-
hoven, Netherlands, assignors to Hartford National
Bank and Trust Company, Hartford, Conn., as trustee.
Electric discharge tube base. 2,449,374, Sept. 14.
Fenner, J. H., and Company Limited, assignee: *See—*
Hickman, James C.
Fennessy, William M., assignor to Carlisle Shoe Company,
Carlisle, Pa. Platform shoe. 2,457,082, Dec. 21.
Fenney, William N., assignor to The Texas Company, New
York, N. Y. Multiple fluid proportioning pump.
2,440,196, Apr. 20.
Fenton, Paul E., Middlebury, assignor to Scovill Manu-
facturing Company, Waterbury, Conn. Waistband con-
struction. 2,443,951, June 22.
Fentress, David W., Barrington, assignor to Chicago Metal
Hose Corporation, Maywood, Ill. Shielded tubing or
bellows. 2,444,008, June 22.
Fenwal Incorporated, assignee: *See—*
Smith, Norman J.
Fenwick, Ivy D., Brooklyn, N. Y. Surgical glove drying
apparatus. 2,440,398, Apr. 27.
Ferber, William: *See—*
Patrosio, William, and Ferber.

- Ferguson, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Corn harvester. 2,444,561, July 6.
- Ferger, Hulbert K., Flushing, assignor of one-half to J. B. Thomson, Plandome, N. Y. Sliding antifriction bearing. 2,452,117, Oct. 26.
- Ferguson, Albert C., Jacksonville, Fla. Weaving frame. 2,451,207, Oct. 12.
- Ferguson, Albert G., Houston, Tex., assignor to American Associated Companies, Inc., Atlanta, Ga. Wall covering and applying same. 2,450,786, Oct. 5.
- Ferguson, Andrew W., Great Neck, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Coil winder. 2,445,109, July 13.
- Ferguson, Charles S., Troy, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Preparation of dialkyl-substituted dihalogenosilanes. 2,443,902, June 22.
- Ferguson, Elmo A., North Sacramento, Calif. Lumber footage calculator. 2,444,983, July 13.
- Ferguson, Frank E.: *See*—
Deschamps, Desire J., Clarke, and Ferguson.
- Ferguson, Fredrick G., Shaker Heights, and R. C. Thompson, Cleveland Heights, assignors to Simplex Products Corporation, Cleveland, Ohio. Shaft seal. 2,433,839, Jan. 6.
- Ferguson, Frederick G., Shaker Heights, and R. C. Thompson, Cleveland Heights, Ohio, assignors to Simplex Piston Ring Mfg. Company. Shaft seal. 2,449,375, Sept. 14.
- Ferguson, Glenn D., U. S. Army, Fort Belvoir, Va. Low bed trailer. 2,443,611, June 22.
- Ferguson, Harry C.: *See*—
Ferguson, William H. and H. C.
- Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest V.
Chambers, John M., and Bunting.
Dale, Frank D.
Heitshu, Daniel C.
- Ferguson, Henry G., Arlington, Belfast, Ireland. Two-way plow. 2,437,879, Mar. 16.
- Ferguson, Henry G., Belfast, Northern Ireland. Tractor-trailer and safety hitch therefor. 2,442,458, June 1.
- Ferguson, Herbert N., Fontana, Calif. Tree pulling apparatus. 2,436,510, Feb. 24.
- Ferguson, J. L., Company, assignee: *See*—
Ferguson, John L.
- Ferguson, Joe C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Modulating system. 2,445,568, July 20.
- Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Vertical shrinker apparatus. 2,445,214, July 13.
- Ferguson, John P., Berkeley, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase control system for vapor electric converters. 2,447,642, Aug. 24.
- Ferguson, Joseph C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Rectifier circuit frequency multiplier. 2,440,465, Apr. 27.
- Ferguson, Lawrence: *See*—
Ellis, William C., and Ferguson.
- Ferguson, Leonard D., Wallowa, Oreg. Track brake for kiln cars and the like. 2,444,500, July 6.
- Ferguson, Ralph C., Hollydale, assignor to W. W. Pierce, Whittier, Calif. Squaring device. 2,443,788, June 22.
- Ferguson, Ralph C., Hollydale, Calif. Rodless pump. 2,453,365, Nov. 9.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Brush scraping attachment for cans. 2,435,036, Jan. 27.
- Ferguson, Robert P., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized-solid process for forming carbon disulfide. 2,443,854, June 22.
- Ferguson, Robert P., Cranford, N. J., assignor to Standard Oil Development Company. Producing aluminum halides by the reaction of alumina, carbon, and free halogen. 2,446,221, Aug. 3.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Appliance for working on automobile body panels. 2,444,250, June 29.
- Ferguson, William H., Malden, and H. C. Ferguson, Melrose, assignors to H. K. Porter, Inc., Everett, Mass. Spreading tool for reshaping deformed automobile bodies. 2,447,401, Aug. 17.
- Ferguson, William H., Malden, and J. W. Geddes, Boston, assignors to H. K. Porter, Inc., Everett, Mass. Strut terminal for metal-bending jacks. 2,455,664, Dec. 7.
- Ferla, John, East Orange, assignor of one-fourth to P. X. Blaettler, Oaklyn, and three-fourths to U. S. Asbestos Cement Pipe Company, Camden, N. J. Machine for producing asbestos-cement pipes. 2,434,690, Jan. 20.
- Ferlen, Russell P., Minneapolis, Minn. Sextant. 2,443,382, June 15.
- Ferlin, Paul E., New York, and E. Rambusch, Harrison, assignors to Rambusch Decorating Company, New York, N. Y. Lighting system and lantern for use therein. 2,437,350, Mar. 9.
- Fernholz, Erhard: *See*—
Ansbacher, Stefan, and Fernholz.
- Fernholz, Erhard, Princeton, and S. Ansbacher, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Vitamin k-active compositions. 2,455,397, Dec. 7.
- Fernholz, Mary B., administratrix: *See*—
Ansbacher, Stefan, and Fernholz.
- Fernstrom Paper Mills, Inc., assignee: *See*—
MacRill, John R., and Baum.
- Ferraez, Nicolas, Jr., St. Louis, Mo. Apparatus for collecting liquid sediments. 2,435,578, Feb. 10.
- Ferrari, Frank: *See*—
Gallicchio, Paul, and Ferrari.
- Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Apparatus for propelling and increasing the lift of airplanes. 2,437,732, Mar. 16.
- Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Apparatus for detecting and locating enemy vessels. 2,448,787, Sept. 7.
- Ferrel Industries, Inc., assignee: *See*—
Ferrel, Clyde B.
- Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing sealed contact devices. 2,457,218, Dec. 28.
- Ferrenberg, Roy R., assignor of twenty-five per cent to S. Switzer, Latrobe, Pa. Window blind and curtain rod holder. 2,449,597, Sept. 21.
- Ferretti, Antonio, Milan, Italy; vested in the Attorney General of the United States. Manufacture of artificial textile fibers. 2,450,889, Oct. 12.
- Ferrier, David J., St. Kilda, Victoria, Australia. Varying the tuning of stringed instruments. 2,453,572, Nov. 9.
- Ferrill, Thomas M.: *See*—
Frische, Carl A., Ferrill, and Slater.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Course softening system. 2,439,044, Apr. 6.
- Ferrill, Thomas M., Jr., Hempstead, and A. E. Harrison, Rockville Centre, N. Y., assignors to The Sperry Corporation. Position repeating device and system. 2,442,764, June 8.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Wringer. 2,435,536, Feb. 3.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Driving mechanism for ironing machines or the like. 2,441,314, May 11.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Clothes-washing machine. 2,446,750, Aug. 10.
- Ferris, Seymour W., Mount Holly, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Dewaxing of hydrocarbon oils. 2,451,545, Oct. 19.
- Ferris, Seymour W., Mount Holly, N. J., E. R. Lamson, Hatboro, and D. M. Smith, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Guided free film distillation method. 2,447,746, Aug. 24.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Power-operated means and control mechanism therefor. 2,442,164, May 25.
- Ferro Engineering Company, The, assignee: *See*—
Urmetz, Walter W.
Whittle, William S.
- Fersing, Leif, assignor to Jones & Lamson Machine Company, Springfield, Vt. Tool positioning gage. 2,443,704, June 22.
- Ferté, André M. A., Terny, par Margival, France. Operating diffusion batteries. 2,446,751, Aug. 10.
- Fessler, Robert V., Indianapolis, Ind. Ball-player's training device. 2,443,131, June 8.
- Fessler, William A.: *See*—
Beckham, Leland J., and Fessler.
- Fetterley, Guy H., Chippawa, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Composition for igniter for rectifiers. 2,439,290, Apr. 6.
- Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Regenerating spent aqueous alkaline solution. 2,451,817, Oct. 19.
- Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. Re. 22,986, Mar. 16.
- Fettig, Arthur J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adjustable paper stop for business machines. 2,444,641, July 6.
- Fetzer, Maurice C., Wyomissing, and W. H. Kemper, Temple, assignors to The Carpenter Steel Company, Reading, Pa. Cold hobbable steel. 2,449,806, Sept. 21.
- Fetzer, Maurice C., and C. B. Post, Wyomissing, assignors to The Carpenter Steel Company, Reading, Pa. Wear resistant steel. 2,450,883, Oct. 12.
- Fetzer, Walter R., Clayton, Mo., assignor to Union Starch & Refining Company, Columbus, Ind. Solid corn syrup manufacture. 2,439,384, Apr. 13.
- Feucht, Albert, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Lubricator. 2,438,969, Apr. 6.
- Feucht, Albert, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Throttle valve for stoppers. 2,451,671, Oct. 19.
- Fevold, Harry L.: *See*—
Alderton, Gordon, and Fevold.
Boggs, Mildred M., and Fevold.
- Fevold, Harry L., and A. L. Dimick, assignors to United States of America as represented by the Secretary of Agriculture. Isolation of lipovitellenin from egg yolk. 2,454,915, Nov. 30.
- Fey, Arthur W., Hazleton, Pa. Chess game recorder. 2,434,066, Jan. 6.

- Fibiger, Augustus F., Toledo, Ohio. Fish lure. 2,448,523, Sept. 7.
- Fibre Metal Products Company, assignee: *See*—Bowers, Charles E.
- Fibro-Mold Specialties, Inc., assignee: *See*—Skolnik, Max.
- Fick, Clifford G., Schenectady, N. Y., assignor to General Electric Company. Tuning arrangement. 2,440,081, Apr. 20.
- Fickel, Isaac J., assignee: *See*—Zahler, Virgil.
- Fiddymont, Earl, North Quincy, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Material feeding device. 2,446,752, Aug. 10.
- Fiedler, Stuart O., and J. Bjorksten; said Fiedler assignor to Bjorksten Research Laboratories, Inc., Chicago, Ill. Electric current interrupter. 2,437,225, Mar. 2.
- Fiehl, Michael: *See*—Lake, Clair D., and Fiehl.
- Field, Donald C.: *See*—Sparks, William J., Kellog, and Field.
- Field, Lester M.: *See*—Spangenberg, Karl, Field, and Helm.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay bearing structure. 2,435,000, Jan. 27.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Polarized electromagnetic relay. 2,435,001, Jan. 27.
- Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Selective signaling system. 2,448,487, Aug. 31.
- Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory product. 2,438,552, Mar. 30.
- Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft heating control system. 2,437,318, Mar. 9.
- Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control circuits. 2,443,347, June 15.
- Fiedler, Frederick D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,454,147, Nov. 16.
- Fielding, David T. E., Middleton Junction, England. Set shift parallel rule. 2,439,291, Apr. 6.
- Fielding, Edgar C., Walsall, England. Grinding machine and other rotary abrasive or cutting machine. 2,435,622, Feb. 10.
- Fields, Charles I., assignor to Arthur Jans, Detroit, Mich. Ascertaining actual positioning of automobile wheels. 2,434,205, Jan. 6.
- Fields, Charles V., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Terminal bushing seal. 2,434,554, Jan. 13.
- Fields, George C., Cleveland, Ohio, assignor to Solar Corporation, Milwaukee, Wis. Motor vehicle control mechanism for sequentially controlling wheel braking and motor speed. 2,445,058, July 13.
- Fields, George C., Wilmette, Ill., assignor to Solar Corporation, Milwaukee, Wis. Motor scooter. 2,454,046, Nov. 16.
- Fields, John P.: *See*—Long, Henry S., and Fields.
- Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Sifter envelope. 2,442,646, June 1.
- Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Disposable venoclysis set. 2,452,643, Nov. 2.
- Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Apparatus for intravenous administration of liquids. 2,452,644, Nov. 2.
- Fields, Reuben T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fabrication of polytetrafluoroethylene articles. 2,456,262, Dec. 14.
- Fields, Warren S., Sacramento, Calif. Saw sharpener. 2,434,691, Jan. 20.
- Fields, William C., near Seattle, E. E. Carpenter, Seattle, and G. G. Finney, near Seattle, assignors to Boeing Aircraft Company, Seattle, Wash. Apparatus for stretch bending structural elements. 2,442,268, May 25.
- Fidao, Maxine C., assignee, trustee, et al.: *See*—Robinson, William B., and Swenson.
- Fidelity Union Trust Company, executor: *See*—Madden, Harry D.
- Fiene, Heinrich A., Johannesburg, Transvaal, Union of South Africa. Folding gocart. 2,450,373, Sept. 28.
- Fife, Harvey R., Mount Lebanon, Pa., and F. H. Roberts, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Polyoxypolypropylene compounds. 2,448,664, Sept. 7.
- Fife, Harvey R., Mount Lebanon, Pa., and W. J. Tousaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Esters of polyoxalkylene diols. 2,457,139, Dec. 28.
- Fife, Roy E., Jr.: *See*—Fife, Roy E. and R. E., Jr.
- Fife, Roy E. and R. E., Jr., Long Beach, Calif. Oil well mast. 2,438,277, Mar. 23.
- Fife, Truesdell C., Reading, Mass. Water heater. 2,455,988, Dec. 14.
- Figdor, Hans G., assignor to E. F. Houghton & Co., Philadelphia, Pa. Ethyl cellulose composition. 2,453,214, Nov. 9.
- Figg, Basil D.: *See*—Miller, John W., and Figg.
- Figmick, Michael J., Cairnbrook, Pa. Safety hitch for vehicles. 2,454,641, Nov. 23.
- Fikany, James A., Carbondale, Pa. Insertable and detachable arch-supporting unit for footwear. 2,436,716, Feb. 24.
- Fike, Floyd M., Flagstaff, Ariz. Lamp guard. 2,448,582, Sept. 7.
- Flachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Continuous converting lactic acid to polylactic acid. 2,438,208, Mar. 23.
- Flachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Manufacture of esters of hydroxy carboxylic acids. 2,447,693, Aug. 24.
- Filardo, Domenico, Providence, R. I. Paint brush extension handle. 2,443,233, June 15.
- Filbert, John P., assignee: *See*—Zimmerman, Ernest F.
- Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitratealkyl amides. 2,443,903, June 22.
- Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration product of a hydroxy amide. 2,449,843, Sept. 21.
- Filbey, Emery T., trustees, et al.: *See*—Kraybill, Henry R., and Beadle.
- Files, Allison M., executrix: *See*—Files, Glenn W.
- Files, Glenn W., deceased, Elmwood Park, by A. M. Files, executrix, assignor to General Electric X-Ray Corporation, Chicago, Ill. Roentgenological method and apparatus. 2,435,823, Feb. 10.
- Fillmore, William E.: *See*—Schmid, William, and Fillmore.
- Filmer, Philip G., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Photographic process of producing a printing image. 2,446,915, Aug. 10.
- Filo, Frank C.: *See*—Marcus, Arthur P., and Filo.
- Filter, Chester G.: *See*—Kretschmer, Frederick H., and Filter.
- Filtrol Corporation, assignee: *See*—Gary, Wright W.
- Gary, Wright W., and Secor. Oulton, Thomas D.
- Finch, Dan M., Berkeley, Calif. Low voltage direct-current inverter. 2,442,560, June 1.
- Finch, Harold L., Davenport, Iowa. Ceiling and wall construction. 2,447,694, Aug. 24.
- Finch, Harry D.: *See*—Morris, Rupert C., Dannenberg, and Finch.
- Finch, Harry D., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Unsaturated esters of substituted adipic acid and their production. 2,448,259, Aug. 31.
- Finch, Harry D., El Cerrito, S. A. Ballard, Orinda, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Conversion of alicyclic aldehydes. 2,454,047, Nov. 16.
- Finch, William G. H., Newtown, Conn. Stylus. 2,442,561, June 1.
- Finch, William G. H., Newtown, Conn. Variable drum facsimile scanning mechanism. 2,447,473, Aug. 17.
- Finch, William G. H., Newtown, Conn. Facsimile synchronizing system. 2,450,649, Oct. 5.
- Finch, William G. H., Newtown, Conn. Directional antenna tuning system. 2,451,078, Oct. 12.
- Finch, William G. H., Newtown, Conn. Facsimile apparatus record mounting means. 2,451,079, Oct. 12.
- Finch, William G. H., Newtown, Conn., and G. H. Hohmann, Bronx, N. Y., assignors to Finch Telecommunications, Inc., Passaic, N. J. Facsimile transmitter-sheet loading and stripping mechanism. 2,450,080, Oct. 12.
- Finch Telecommunications, Inc., assignee: *See*—Finch, William G. H., and Hohmann.
- Fincher, Walter, Salina, Kans. Roll stabilizer for taking up play in bearings of roll mills. 2,437,733, Mar. 16.
- Fincher, Walter, Salina, Kans. Drive mechanism for reciprocating devices. 2,445,613, July 20.
- Finck, Albert M., Bellevue, Ky. Combination lock. 2,439,461, Apr. 13.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Drive for air compressors. 2,439,686, Apr. 13.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Mold-in thread insert. 2,439,687, Apr. 13.
- Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thread insert. 2,439,685, Apr. 13.
- Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating and ventilating apparatus for vehicles. 2,445,392, July 20.

- Findley, Thomas W.: *See*—
Swern, Daniel, and Findley.
- Fine Art Apron Co., Inc., assignee: *See*—
Mink, Isadore.
- Fine, Bernard M.: *See*—
Dallas, George, Miffin, and Fine.
- Fine, Samuel: *See*—
Beitch, Sol J., and Fine.
- Finer, Henry J., Sutton Coldfield, assignor to Masts Limited, Birmingham, England. Street lighting standard. 2,456,179, Dec. 14.
- Finison, Harvey J., Dayton, Ohio. Radiant energy operated positioning control. 2,441,568, May 18.
- Fink, Jean: *See*—
McCaslin, James F., and Fink.
- Finke, Theodore R.: *See*—
Finneburgh, Lewis H., Jr., and Finke.
- Finkelstein, William, Rye, N. Y. Interchangeable sand-paper device. 2,434,356, Jan. 13.
- Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.
- Finlay, Keith F., assignor to The Garrett Corporation, Airsearch Manufacturing Company division, Los Angeles, Calif. Brazing tube ends. 2,443,577, June 15.
- Finlay, Walter L.: *See*—
Schilling, Albert A., and Finlay.
- Finlayson, Donald: *See*—
Dreyfus, Henry, Finlayson, and Perry.
Simpson, William J., and Finlayson.
- Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Flatiron handle structure. 2,443,448, June 15.
- Finlayson, William M.: *See*—
Burkhart, Raymond A., and Finlayson.
- Finley, Hugh, Berlin, N. J., assignor to Owens-Illinois Glass Company. Apparatus for molding pipe coverings. 2,439,724, Apr. 13.
- Finman, Marian L., Minneapolis, Minn. Comb. 2,454,642, Nov. 23.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for pressing soles on shoes. 2,445,848, July 27.
- Finneburgh, Lewis H., Jr., Cleveland Heights, and T. R. Finke, Euclid, assignors to The Gabriel Company, Cleveland, Ohio. Antenna lead-in connector. 2,444,189, June 29.
- Finney, George G.: *See*—
Fields, William C., Carpenter, and Finney.
- Finnorn, John J.: *See*—
Ushakoff, Alexis E.
- Fiore, William, Brooklyn, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Rectifier and assembly. 2,445,769, July 27.
- Florentino, Vitantonio, Long Island City, N. Y. Curtain and drape mounting. 2,455,576, Dec. 7.
- Floretta, Alexander V., West Los Angeles, Calif. High pressure four-way valve. 2,436,425, Feb. 24.
- Florina, Charles, Hawthorne, assignor of 65 per cent to Infold Novelty Company, Paterson, N. J. Weft cutter on multishuttle box looms. 2,445,024, July 13.
- Firestone, Floyd A., Ann Arbor, Mich., assignor to United Aircraft Corporation, East Hartford, Conn. Surface and shear wave method and apparatus. 2,439,130, Apr. 6.
- Firestone, Floyd A., Ann Arbor, Mich., assignor to United Aircraft Corporation, East Hartford, Conn. Resonance inspection method. 2,439,131, Apr. 6.
- Firestone, Floyd A., Ann Arbor, Mich., and R. B. De Lano, Jr., New York, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J. Time marks for the sweep of cathode ray tubes. 2,448,363, Aug. 31.
- Firestone, Linn J., assignee: *See*—
Greckl, William P. M.
- Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Brown, Roy W.
Carl, John C.
Carr, Edward L., and Smith.
Carter, Mitchell.
Gottschalk, Gordon W.
Jaycox, Edward V. K.
Kinzinger, Siegfried M.
Kitchen, Leland, Jr.
Kuhn, Max O.
Radcliffe, Milton R.
Radcliffe, Milton R., and Best.
Radcliffe, Milton R., and Mayes.
Rowland, George P., Jr., and Reid.
Smith, George E. P., Jr.
Spencer, George A.
Stevens, Horace D.
Thomas, Talbott E.
Walker, Ralph C.
Willert, William H.
- Firling, Osborne, New Dorp, Staten Island, N. Y., assignor to Talon, Inc. Slider for slide fasteners. 2,453,660, Nov. 9.
- Firing, Osborne, Staten Island, N. Y., and R. M. Gibbons, Jr., Meadville, Pa., assignors to Talon, Inc. Tape for slide fasteners. 2,437,734, Mar. 16.
- Firsel, Maurice S., Birmingham, Ala. Bed spring support. 2,452,645, Nov. 2.
- First Industrial Corporation, assignee: *See*—
Nelson, Royal G.
Repka, Paul T.
Riche, Arthur L.
Saretzky, Simon.
Vacha, Fred P.
- First National Bank of Boston, The, assignee, trustee: *See*—
Guilden, Ira.
- Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Shaft bearing. 2,455,166, Nov. 30.
- Firth, Thos., & John Brown Limited, assignee: *See*—
Thornton, Alfred E.
- Fisch, Willi: *See*—
Widmer, Gastav, Sutter, Fisch, and Hochuli.
- Fischbein, Dave, Minneapolis, Minn. Sewing machine. 2,442,647, June 1.
- Fischer, Albert C., Chicago, Ill. Plant cover. 2,446,509, Aug. 3.
- Fischer, Albert C., Chicago, Ill. Method and apparatus for compacting fibrous material. 2,446,644, Aug. 10.
- Fischer, Albert C., Chicago, Ill. Composition of rubber-like qualities. 2,454,506, Nov. 23.
- Fischer, Albert C., Chicago, Ill. Sponge rubber garment product. 2,457,219, Dec. 28.
- Fischer, Albert M., assignor of forty per cent to J. E. Mistarz, Chicago, Ill. Method of and apparatus for processing yeast. 2,448,927, Sept. 7.
- Fischer, Albert W.: *See*—
Kettering, Charles F., and Fischer.
- Fischer, Alfred, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Oil-soluble drier metal salt compositions. 2,456,824, Dec. 21.
- Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Tetra-alkyl carbonyl tetrathio diphosphates and their preparation. 2,434,357, Jan. 13.
- Fischer Casting Company, assignee: *See*—
Fischer, Louis.
- Fischer, Earl K.: *See*—
Engle, Loy S., Sheridan, and Fischer.
- Fischer, Earl K., Long Island City, assignor to Interchemical Corporation, New York, N. Y. Basic iron soap pigment. 2,445,770, July 27.
- Fischer, Eugene H., J. D. Harnish, Derry, and R. Russell, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical insulator. 2,434,555, Jan. 13.
- Fischer, Herbert G. M.: *See*—
Tyson, Charles W., Fischer, and Murphree.
- Fischer, Howard L., assignee: *See*—
Ulvick, George.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling and riveting machine. 2,442,949, June 8.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling mandrel. 2,455,903, Dec. 7.
- Fischer, Howard R., and E. W. Stevens, Detroit, Mich., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Valve control for fluid levels in hydraulic power plants. 2,455,747, Dec. 7.
- Fischer, Kermit, Bridge Valley, Pa. Specific gravity indicator. 2,437,247, Mar. 9.
- Fischer, Kermit, Bridge Valley, assignor to Fischer & Porter Company, Hathoro, Pa. Rotameter and metering tube therefor. 2,441,350, May 11.
- Fischer, Louis, assignor to Fischer Casting Company, Plainfield, N. J. Smoker's stand. 2,437,226, Mar. 2.
- Fischer & Porter Company, assignee: *See*—
Fischer, Kermit.
- Fischer, Richard F.: *See*—
Donicht, Harry L., Fischer, and Baldrige.
- Fischer, Rose: *See*—
Billins, Martin, and Fischer.
- Fischer, Waldo F., assignor to C. E. Kimball, Chattanooga, Tenn. Container washing machine. 2,444,925, July 13.
- Fischer, William R., and C. W. Kendall, Dayton, Ohio. Photographic film processing frame. 2,445,320, July 20.
- Fischer, William V., assignor to The Air-Flo Compressor Company, Akron, Ohio. Compressor. 2,452,232, Oct. 26.
- Fischer, William V., assignor to The Air-Flo Compressor Company, Akron, Ohio. 2,454,600, Nov. 23.
- Fish, Gilbert D., Pelham, assignor to Welded Steel Shapes, Inc., New York, N. Y. Truss side frame. 2,443,980, June 22.
- Fish, Leonard A., assignee: *See*—
Skolnik, Max.
- Fish, Mortimer W., assignor to General Motors Corporation, Dayton, Ohio. Refrigeration apparatus including a direct-current compressor motor and an alternating-current agitator motor. 2,436,426, Feb. 24.
- Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission mechanism. 2,441,140, May 11.
- Fisher, Aiken W., and W. B. Warren, assignors to Fisher Scientific Company, Pittsburgh, Pa. Photoelectric apparatus for spectrographic analysis. 2,436,104, Feb. 17.
- Fisher, Albert T., Hartford, Conn. Closure fastener. 2,444,501, July 6.
- Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Regulating system for inverted rotary converters. 2,444,769, July 6.

- Fisher, Charles B., deceased, by G. F. Fisher, administratrix, Williamsport, Pa. Ice creeper. 2,441,998, May 25.
- Fisher, Charles E., Peekskill, N. Y. Fish net. 2,441,015, May 4.
- Fisher, Charles H.: *See*—
Fein, Martin L., and Fisher.
Filachione, Edward M., and Fisher.
Mast, William C., Rehberg, and Fisher.
Rehberg, Chessie E., and Fisher.
Rehberg, Chessie E., Mast, and Fisher.
- Fisher, Charles H., Abington, Pa., and M. L. Fein, Riverside, N. J., assignors to the United States of America, as represented by the Secretary of Agriculture. Azeotropic distillation of acetic anhydride. 2,438,278, Mar. 23.
- Fisher, Charles H., Abington, Pa., and M. L. Fein, Riverside, N. J., assignors to the United States of America as represented by the Secretary of Agriculture. Acetylating triethyl citrate. 2,445,911, July 27.
- Fisher, Delbert P., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid power steering mechanism. 2,450,126, Sept. 28.
- Fisher, Edward J., and W. B. Franklin, Baytown, Tex., and D. A. Smith, Washington, D. C., assignors to Standard Oil Development Company. Apparatus for alkylation. 2,453,837, Nov. 16.
- Fisher, Ernest F., Meredith, N. H. Machine for blast cleaning with grit such articles as castings. 2,443,819, June 22.
- Fisher, Frank E.: *See*—
Edson, Kenneth C., and Fisher.
- Fisher, Gertrude F., administratrix: *See*—
Fisher, Charles B.
- Fisher, Hardin Y., Hillside, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Nonchattering alternating current solenoid and plunger. 2,456,394, Dec. 14.
- Fisher, Harmon F., Palo Alto, assignor of one-half to Union Oil Company of California, Los Angeles, Calif., and one-half to The Permanente Metals Corporation. Apparatus for cathoretically treating a liquid suspension. 2,441,479, May 11.
- Fisher, Harmon F., Sunneville, assignor to The Permanente Metals Corporation, Oakland, Calif. Refining of volatilizable metals. 2,456,935, Dec. 21.
- Fisher, Harmon F., Palo Alto, and A. C. Peck, Los Altos, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Apparatus for electrophoretic separation of solids from liquids. 2,440,504, Apr. 27.
- Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal receiving system. 2,455,052, Nov. 30.
- Fisher, Harry B.: *See*—
Bankauf, William F., and Fisher.
- Fisher, Irving, New Haven, Conn. Global map. 2,436,860, Mar. 2.
- Fisher, James, Middletown, N. Y. Driller's mask. 2,452,845, Nov. 2.
- Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Engine cooling, cylinder and jacket construction. 2,442,540, June 1.
- Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 2,457,652, Dec. 28.
- Fisher, John M., and Merle M. Eakins, Ford City, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Surfacing runner. 2,453,748, Nov. 16.
- Fisher, John R., Jr., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Apparatus for injection molding. 2,436,993, Mar. 2.
- Fisher, John R., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Dry-cleaning emulsion. 2,450,505, Oct. 5.
- Fisher, Mark, Coventry, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England. Apparatus for providing a ridge on a pipe of ductile material. 2,445,303, July 13.
- Fisher, Oscar, Locust Valley, N. Y. Sand toy. 2,439,800, Apr. 20.
- Fisher Scientific Company, assignee: *See*—
Feffner, Joseph, and Millen.
Fisher, Aiken W., and Warren.
- Fishko, Abraham, Brooklyn, N. Y. Building construction. 2,446,987, Aug. 10.
- Fishman, Bernard, Brooklyn, N. Y. Thread ring gauge. 2,443,904, June 22.
- Fishwood, Rollin W.: *See*—
Williams, Norman C., and Fishwood.
- Fisk, Edwin M., Mission San Jose, Calif. Fuel injection nozzle. 2,434,151, Jan. 6.
- Fisk, Edwin M., Mission San Jose, Calif. Fuel injection pump. 2,442,488, June 1.
- Fisk, Edwin M., Mission San Jose, Calif. Crank-pin bearing. 2,445,025, July 13.
- Fisk, James B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control of magnetron oscillators. 2,444,435, July 6.
- Fisher, William O., Normandy, assignor to Spinner & Kennedy Stationery Co., St. Louis, Mo. Suspended pocket. 2,436,105, Feb. 17.
- Fitch, Clyde J., Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Distributor. 2,456,825, Dec. 21.
- Fitch, Edward W., University Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,441,405, May 11.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Control mechanism. 2,438,658, Mar. 30.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,444,190, June 29.
- Fitch, Harold L., Rochester, N. Y., assignor, by mesne assignments, to Better Packages, Inc., Shelton, Conn. Automatic tape dispenser and cutter. Re. 22,981, Mar. 9.
- Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Film punch. 2,444,732, July 6.
- Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Position indicator device for film strip. 2,455,748, Dec. 7.
- Fitch, Karl E., Summit, N. J., and W. V. K. Large, Locust Valley, and C. W. Lucek, Port Chester, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Satellite telegraph exchange system. Re. 23,027, Aug. 17.
- Fitch, Raymond L., Pacific Palisades, Calif. Magnetic inspection apparatus. 2,446,873, Aug. 10.
- Fitch and Sons, Inc., assignee: *See*—
Fitch, William L.
- Fitch, William L., Santa Cruz, Calif., assignor to Fitch and Sons, Inc. Mechanical movement. 2,445,711, July 20.
- Fitpod, Joseph E., Chicago, Ill., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Dress finisher. 2,443,557, June 15.
- Fitzgerald, Charles D., and G. E. Lynn, assignors to The Dow Chemical Company, Midland, Mich. Herbicide. 2,435,676, Feb. 10.
- Fitzgerald, Harold, Detroit, Mich. Ventilating device for water closets. 2,443,705, June 22.
- Fitzgerald, Reginald P., assignor to Pneumatic Drop Hammer Company, Braintree, Mass. Drop hammer. 2,449,647, Sept. 21.
- Fitzpatrick, Genevieve M., Portland, Oreg. Baby harness for chairs. 2,449,741, Sept. 21.
- Fitzpatrick, J. D., and L. D. Myers, Cincinnati, Ohio. Oxidizing unsaturated fatty bodies. 2,450,858, Oct. 5.
- Fitzpatrick, W. J., Company, The, assignee: *See*—
Fitzpatrick, William J.
Wagner, Harold H., and Magnus.
- Fitzpatrick, William J., assignor to The W. J. Fitzpatrick Company, Chicago, Ill. Stabilized lecithin. 2,444,984, July 13.
- Fix, Eugene J., Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of War. Timing mechanism. 2,440,677, May 4.
- Fix, Eugene J., Philadelphia, Pa., assignor to United States of America, as represented by the Secretary of War. Safety device for fuses. 2,441,569, May 18.
- Fix, Eugene J., Philadelphia, Pa. Fuse. 2,448,022, Aug. 31.
- Fix, Eugene J., Philadelphia, Pa., assignor to the Government of the United States of America as represented by the Secretary of War. Mechanical time fuse. 2,450,890, Oct. 12.
- Fjeld, Thorbjörn, assignor to R. Arbolli, Oslo, Norway. Razor blade sharpening apparatus. 2,451,384, Oct. 12.
- Flader, Fredric E., Kenmore, assignor, by mesne assignments, to Curtiss-Wright Corporation. Arresting gear. 2,452,447, Oct. 26.
- Flagstad, Cornell, Minneapolis, Minn. Grain car door implement. 2,437,780, Mar. 16.
- Flaherty, Charles J., New York, N. Y. Athletic supporter. 2,454,507, Nov. 23.
- Flajole, William, Detroit, Mich. Single runner sled. 2,443,348, June 15.
- Flaker, Jacob E., Barberton, Ohio. Floor mat. 2,449,465, Sept. 14.
- Flam, Stephen, Sherman Oaks, Calif. Vibrator. 2,446,818, Aug. 10.
- Flanagan, John E., Chicago, Ill., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Shockproof mounting. 2,455,891, Dec. 7.
- Flanagan, Robert, Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rotary air compressor. 2,454,048, Nov. 16.
- Flanagan, Robert M., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine for gauging and assorting cartridges according to height of primers. 2,451,615, Oct. 19.
- Flanders, John S., West Kilbride, and E. Jones, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Thermically vaporisable fumigant comprising sensitized ammonium nitrate and a pesticide. 2,440,082, Apr. 20.
- Flanders, Warren B., Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blower apparatus. 2,441,239, May 11.
- Flannery Bolt Company, assignee: *See*—
Greenslade, Grover R.
- Flashlight Company of America, assignee: *See*—
Poliakoff, Theodore.
- Flater, Harold, E. T. Waernhoff, and N. G. Franson, Norrköping, Sweden, assignors to International Harvester Company. Twine making machine. 2,450,947, Oct. 12.

- Flater, Harold, deceased, Norrköping, Sweden; by N. Berglund, administrator, Djursholm, and E. T. Waernhoff, and N. G. Franson, Norrköping, Sweden; said H. Flater and said E. T. Waernhoff, and N. G. Franson, assignors to International Harvester Company. Twine making machine. 2,453,789, Nov. 16.
- Flatford, William R., and F. W. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Radiation absorption cell for optical testing apparatus. 2,436,511, Feb. 24.
- Flatt, William O., Fort Worth, Tex. Bracket for armchair accessory seats. 2,453,007, Nov. 2.
- Flatt, William O., Fort Worth, Tex. Razorstrop composition. 2,456,263, Dec. 14.
- Flaugher, John H., Tiffin, Ohio. Sinkers for deep-sea and beach fishing. 2,457,358, Dec. 28.
- Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Method of and apparatus for manufacturing flash lamps. 2,449,648, Sept. 21.
- Fleck, Elmer E., Silver Spring, and R. K. Preston, Cumberland, Md., dedicated to the free use of the people in the territory of the United States. Low-temperature noncrystallizing DDT-alkylated naphthalene insecticide. 2,448,665, Sept. 7.
- Fleenor, Warren O., Stafford, N. Y. Combined tongs and magnifying glass. 2,435,741, Feb. 10.
- Fleer, Alfred W., assignor to Shell Development Company, San Francisco, Calif. Concentrating dilute aqueous solutions of metal ammonium complex compounds. 2,434,402, Jan. 13.
- Fleig, Arthur C., Orange, Tex. Rattrap. 2,437,248, Mar. 9.
- Fleisch, Joseph R., Hinsdale, Ill. Ring and disc assembly apparatus. 2,441,876, May 18.
- Fleischer, Frank H., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine and securing device. 2,453,504, Nov. 9.
- Fleischer, Fred E.: *See—*
Pigott, Reginald J. S., and Fleischer.
- Fleischmann, Lester K., Chicago, Ill., assignor to Standard Manitoba Company, Inc. Carbon holding device. 2,441,016, May 4.
- Fleischmann, Rudolf A. K., assignor to The Eastern Specialty Company, Philadelphia, Pa. Rotary tap switch. 2,452,916, Nov. 2.
- Fleisher, Julius W.: *See—*
Miller, Arthur J., and Fleisher.
- Fleming, Arthur I., assignee, et al.: *See—*
Jordan, Louis D.
- Fleming, Edward F., Los Angeles, Calif., and D. H. McIntosh, Corpus Christi, Tex., assignors to American Smelting and Refining Company, New York, N. Y. Apparatus for dressing bullion. 2,434,105, Jan. 6.
- Fleming, George L., New York, N. Y. Electric burglar alarm system. 2,436,470, Feb. 24.
- Fleming, Gilbert J., Marion, Ohio. Towing apparatus. 2,436,000, Feb. 17.
- Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of dibasic acids. 2,452,741, Nov. 2.
- Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Crawley carry mechanism. 2,450,787, Oct. 5.
- Fleener, Albert L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Herbicidal composition. 2,450,543, Oct. 5.
- Fleshman, Grigsby J., Oak Hill, W. Va. Billiard cue tip file. 2,448,967, Sept. 7.
- Fletcher, Albert L., assignee: *See—*
Lloyd, Donald.
- Fletcher, David A., Pompton Plains, and M. M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyethylene-polyvinyl acetal composition. 2,448,666, Sept. 7.
- Fletcher, Ed.: *See—*
Slayter, Games, and Fletcher.
- Fletcher, Harvey, Summit, J. F. Müller, Montclair, and K. D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording device. 2,436,384, Feb. 24.
- Fletcher, Herbert J.: *See—*
Collings, William R., Fenn, and Fletcher.
- Fletcher, James, Akron, Ohio, and C. L. Norton, Jr., New York, N. Y., assignors to The Babcock & Wilcox Company, Jersey City, N. J. Metallic structure within high-temperature furnaces. 2,446,222, Aug. 3.
- Fletcher, James, Akron, and E. C. Hulse, Barborton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Pressure sealing device. 2,453,124, Nov. 9.
- Fletcher, Roy A., and L. H. Bevan, London, England. Apparatus for indicating the available seating accommodation at places of entertainment. 2,453,838, Nov. 16.
- Fletcher Works Incorporated, assignee: *See—*
Bartholomew, Robert J.
- Flett, Lawrence H., Hamburg, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing alkyl aryl sulfonates. 2,441,351, May 11.
- Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Derivatives of sulfosuccinamic acid. 2,452,043, Oct. 26.
- Flett, William J., Lansdowne, Pa. Beacon system. 2,441,877, May 18.
- Flexible Vacuum Container Corporation, The, assignee: *See—*
Berch, Samuel H.
- Flexibox Limited, assignee: *See—*
Porges, Frederick B.
- Flexitallic Gasket Company, assignee: *See—*
Lippincott, Stanley S.
- Price, William R.
- Flex-O-Tube Company, The, assignee: *See—*
Couty, Norman M.
- Flexser, Leo A., Elizabeth, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Making ribonolactone. 2,438,883, Mar. 30.
- Flexser, Leo A., Elizabeth, and W. G. Farkas, Palisades Park, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Synthesis of riboflavin. 2,456,395, Dec. 14.
- Flexwood Company, The, assignee: *See—*
Elmendorf, Armin.
- Flinchbaugh, Henry K., York, Pa. Power transmission unit. 2,446,645, Aug. 10.
- Flindt, Charles L., San Jose, Calif. Sole trimming and cutting machine. 2,434,738, Jan. 20.
- Flindt, Charles L., San Jose, Calif. Sole trimming machine. 2,434,739, Jan. 20.
- Flint, Charles R., La Porte, Ind., assignor to The De Luxe Products Corporation. Sparking device. 2,451,482, Oct. 19.
- Flint, Charles R., La Porte, Ind., assignor to The Deluxe Products Corporation. Vacuum breaker. 2,453,125, Nov. 9.
- Flint, Edward F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical method and apparatus for checking propeller blades. 2,455,053, Nov. 30.
- Flint & Walling Manufacturing Co., Inc., assignee: *See—*
Lung, Kenneth R.
- Flodin, Nestor W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Dihydropyran copolymers. 2,443,496, June 15.
- Flodin, Nestor W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl ethers. 2,448,260, Aug. 31.
- Floe, Carl F., Belmont, Mass., assignor to The Nitralloy Corporation. Nitriding. 2,437,249, Mar. 9.
- Floegel, Merle E., Takoma Park, Md. Device for exercising ocular muscles. 2,445,519, July 20.
- Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Portable pin grinding machine. 2,457,359, Dec. 28.
- Flogaus, Howard A., Wallingford, Pa., assignor to A C F-Brill Motors Company, New York, N. Y. Vehicle suspension. 2,450,506, Oct. 5.
- Flogaus, Howard A., Wallingford, Pa., assignor to A C F-Brill Motors Company, New York, N. Y. Vehicle wheel. 2,450,507, Oct. 5.
- Flood, Carl A.: *See—*
Flood, Edward W. and C. A.
- Flood, Edward W. and C. A., assignors to Dennison Manufacturing Company, Framingham, Mass. Tag printing machine. 2,438,118, Mar. 23.
- Flood, Merrill M., Washington, D. C. Polarizing beam-splitting prism. 2,449,287, Sept. 14.
- Flood, William E., Metuchen, and E. Kosinszki, Fords, N. J., assignors to Catalin Corporation of America. Impregnation of cellulosic material. 2,434,106, Jan. 6.
- Floor-O-Matic, Inc., assignee: *See—*
Roger, Henry.
- Flora, Laurence H.: *See—*
Tinnerman, George A., and Flora.
- Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,434,844, Jan. 20.
- Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening construction. 2,457,360, Dec. 28.
- Flora, Russell T.: *See—*
Hobart, Edward A., and Flora.
- Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Door handle assembly. 2,446,753, Aug. 10.
- Floraday, Burton S., Toledo, Ohio, assignor to Marvel Equipment Corporation, Detroit, Mich. Vehicle window regulator. 2,452,448, Oct. 26.
- Florence, Dewey A., Philadelphia, Pa. Fire extinguishing waste paper receptacle. 2,452,118, Oct. 26.
- Florence Stove Company, assignee: *See—*
Reeves, Herbert M.
- Schneider, Frank H.
- Floria, James D., Milwaukee, Wis. Steering mechanism. 2,442,288, May 25.
- Florida Frozen Fruits, Inc., assignee: *See—*
Holzcker, Richard.
- Florjancic, Peter, and E. Boral, assignors to M. Bucher, Zurich, Switzerland. Hand warping device for hand looms. 2,447,402, Aug. 17.
- Flory, Leslie E.: *See—*
Morton, George A., and Flory.
Zworykin, Vladimir K., and Flory.
- Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer. 2,445,215, July 13.
- Flory, Leslie E., Princeton, N. J., assignor to Radio Corporation of America. Reading aid for the blind. 2,457,456, Dec. 28.

- Flory, Leslie E., Oaklyn, and G. A. Morton, Haddon Heights, N. J., assignors to Radio Corporation of America. Electronic switching and computing device. 2,442,403, June 1.
- Flory, Paul J., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Nitriles. 2,452,012, Oct. 19.
- Flotron, Frank E., St. Louis, Mo. Novelty optical device. 2,452,363, Oct. 26.
- Flour City Ornamental Iron Company, The, assignee: *See*—
- Herrington, Ralph J.
- Flowers, Henry F., Findlay, Ohio. Rail vehicle having axleless trucks. 2,439,801, Apr. 20.
- Flowers, Leola W.: *See*—
- Flowers, Ralph G. and L. W.
- Flowers, Ralph G.: *See*—
- Miller, Harry F., and Flowers.
- Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. Polymers of monovinylphenoxthines and preparing the same. 2,449,527, Sept. 14.
- Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. Copolymers of monovinylphenoxthines and preparing the same. 2,449,528, Sept. 14.
- Flowers, Ralph G. and L. W., Pittsfield, Mass., assignors to General Electric Company. Electric capacitor. 2,450,650, Oct. 5.
- Flowers, Ralph G., and L. W., Pittsfield, Mass., assignors to General Electric Company. Vinylphenoxthines and preparing the same. 2,451,818, Oct. 19.
- Floyd, Frederick K., assignor to Metron Instrument Company, Denver, Colo. Electrical measuring apparatus. 2,437,639, Mar. 9.
- Floyd, George H., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric capacitor. 2,454,049, Nov. 16.
- Floyd, Theodore: *See*—
- Schwarz, Carl W., and Floyd.
- Flud Bros., Inc., assignee: *See*—
- Broll, Harry R.
- Flugstad, John B., assignee, et al.: *See*—
- Haight, Clarence R.
- Ftuharty, Omar L., Indianapolis, Ind. Saddle clamp structure. 2,452,186, Oct. 26.
- Flukes, Andrew, and J. T. Smith, assignor to Mills Industries, Incorporated, Chicago, Ill. Absorption refrigeration apparatus. 2,446,988, Aug. 10.
- Fluor Corporation, Ltd., The, assignee: *See*—
- Blohm, Clyde L., Riesenfeld, and Frazier.
- De Flon, James G., and Meyer.
- McCartney, Edward R.
- Stephens, Foster M.
- Yates, Cecil F., and Nolte.
- Flurschein, Cedric H., Bowden, and W. G. C. Vance, Sale, England, assignors, by mesne assignments, to General Electric Company. Retractable undercarriage for aircraft. 2,446,415, Aug. 3.
- Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,443,789, June 22.
- Flygare, Carl G., Worcester, E. D. La Fleur, Lancaster, and H. A. Silven, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,436,561, Feb. 24.
- Flygare, Carl G., and C. C. Alvard, assignors to Norton Company, Worcester, Mass. Hydraulically operated wheel feeding mechanism. 2,448,874, Sept. 7.
- Flynn, Charles A., Phoebus, Va. Ice cube tray. 2,452,846, Nov. 2.
- Flynn, Francis K., and R. H. Adelman, New York, assignors, by mesne assignments, to Silent Hoist & Crane Co., Inc., Brooklyn, N. Y. Load handling apparatus. 2,445,614, July 20.
- Flynn, Grace, North Bergen, N. J. Copy holder. 2,442,870, June 8.
- Flynn, John H., and W. B. Ensign, New Rochelle, assignors to Ensign Ribbon Burners, Inc., Mount Vernon, N. Y. Ribbon burner. 2,443,101, June 8.
- Flynn, Maurice J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tool for setting bushings or inserts. 2,438,744, Mar. 30.
- Flynn, Robert A., United States Navy. Selective disconnection of alleron controls. 2,437,250, Mar. 9.
- Flynt, Frank V., Los Angeles, Calif. Insert. 2,446,174, Aug. 3.
- Focal Company, assignee: *See*—
- Wenger, Frederick R.
- Focht, Carl W., South Williamsport, Pa., assignor of one-half to The Valley National Bank of Phoenix, Phoenix, Ariz. Lens marking gauge. 2,450,651, Oct. 5.
- Focke, Theodore B.: *See*—
- Resek, Marc, Focke, and Kirkpatrick.
- Fockler, Theodore C.: *See*—
- Ludwig, Leon R., Fockler, and Formhals.
- Foddy, Harold M., Colrain, Mass. Ash tray. 2,453,790, Nov. 16.
- Fodor, Nicholas, Wilmette, Ill. Fuel injector. 2,433,985, Jan. 6.
- Foerster, Carl E., Salt Lake City, Utah. Mechanical peel. 2,441,806, May 18.
- Foerster, Charles V.: *See*—
- Cape, Arthur T., and Foerster.
- Foerster, Charles V., Canton, and A. T. Cape, Columbus, Ohio, assignors to Coast Reduction, Inc., Watsonville, California. Recovering chromium values from ores. 2,435,304, Feb. 3.
- Fogg, Jesse W.: *See*—
- Trier, Carl L., and Fogg.
- Fogler, Benjamin B., and L. F. Marek, Lexington, assignors to Arthur D. Little, Inc., Cambridge, Mass. Process for production of oxygen. 2,450,276, Sept. 28.
- Folden, Russell E., Oakland, Calif. Emergency tire carrier. 2,437,811, Mar. 16.
- Földi, Zoltán, Á. Gerecs, I. Demjén, and R. König, Budapest, Hungary, vested in the Attorney General of the United States. Sulphonamide derivatives. 2,444,926, July 13.
- Foley, Charles F., Bloomington, Ill., assignor to Eureka Williams Corporation. Bag coupling. 2,450,544, Oct. 5.
- Foley, Frederic E. B., St. Paul, Minn. Artificial sphincter and method. 2,455,859, Dec. 7.
- Foley Manufacturing Company, assignee: *See*—
- Understood, Sylvester B., and L. M.
- Fol-Gaf Limited, assignee: *See*—
- Darling, Louis H.
- Folk, Irvin W., Belleville, assignor to Atlas Supply Company, Newark, N. J. Interlocking means for electrical testing apparatus or the like. 2,440,505, Apr. 27.
- Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Terminal check for mechanical lubricators. 2,447,695, Aug. 24.
- Folkers, Karl: *See*—
- Harris, Stanton A., and Folkers.
- Peck, Robert L., Harris, Mazingo, Wolf, and Folkers.
- Folkers, Karl, Plainfield, and D. E. Wolf, assignors to Merck & Co., Inc., Rahway, N. J. Optically active basic amino acid salts of a stereoisomer of cis-2-(4'-carboxy-butyl)-3:4-ureido-tetrahydrothiophene. 2,441,141, May 11.
- Folkers, Karl, Plainfield, R. Mazingo, Elizabeth, and D. E. Wolf, assignors to Merck & Co., Inc., Rahway, N. J. Resolution of a mixture of the stereoisomers of cis-2-(4'-carboxy-butyl)-3:4-ureido-tetrahydrothiophene. 2,442,681, June 1.
- Folkins, Hillis O.: *See*—
- Thacker, Carlisle M., and Folkins.
- Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Cracking hydrocarbons in the presence of bromine-containing terpenic compounds. 2,441,142, May 11.
- Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion in presence of added terpenes plus nonmetallic bromine compounds. 2,441,240, May 11.
- Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Cracking hydrocarbons in presence of trimethylene chlorobromide. 2,443,497, June 15.
- Folkman, Marvin L., Shaker Heights, Ohio. Cigarette article. 2,445,476, July 20.
- Folkman, Marvin L., Shaker Heights, Ohio. Ampoule. 2,445,477, July 20.
- Folland, Donald F., East Hempstead, and J. Lyman, Huntington, assignors to The Sperry Corporation. Flight indicator. 2,448,023, Aug. 31.
- Follick, Edwin F., Los Angeles, Calif. Retainer for reeled film. 2,440,853, May 4.
- Follmer, Joseph: *See*—
- Follmer, Joseph A. and J.
- Follmer, Joseph A. and J., Denver, Colo. Quick adjustable bench vise. 2,437,351, Mar. 9.
- Folsom, Rolfe A., Burlingame, Calif. Pipe joint. 2,434,107, Jan. 6.
- Foltis, Anestis, Jackson Heights, N. Y. Toilet paper holder attachment. 2,434,556, Jan. 13.
- Foltis, Anestis, Jackson Heights, N. Y. Toilet paper holder attachment. 2,449,598, Sept. 21.
- Foltz, Harold H., assignor to The Arco Company, Cleveland, Ohio. Material mixing machine. 2,445,216, July 13.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray screen. 2,435,435, Feb. 3.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray tube screen. 2,435,436, Feb. 3.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Infrared-responsive phosphors. 2,447,322, Aug. 17.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Luminescent screen indicating changes in image formation. 2,447,851, Aug. 24.
- Fonda, Harold H., Skaneateles, assignor to Nye-Wait Company, Inc., Auburn, N. Y. Tension regulator and equalizer for pile fabric looms. 2,436,067, Feb. 17.
- Fondation dite: Groupement Français Pour Le Développement des Recherches Aéronautiques, assignee: *See*—
- L'Hermite, Robert.
- Foner, Newton F., Pittsburgh, Pa. Snow bike. 2,442,404, June 1.
- Fonken, Gunther S.: *See*—
- Mozingo, Ralph, and Fonken.
- Fontaine, Clarence F. H., Newport, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Box catch for watch bracelets. 2,454,439, Nov. 23.

- Fontaine, Jack, Cleveland Heights, Ohio. Knitting-machine needle. 2,441,662, May 18.
- Fontaine, John P. K., assignee: *See*—Norman, Noah M., and Brumby.
- Fontaine, John P. K., and A. S. Brumby, Birmingham, Ala.: said Brumby assignor to said Fontaine. Trailer coupler. 2,456,826, Dec. 21.
- Fontana, Celeste M., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oxygen absorbent media. 2,447,323, Aug. 17.
- Fonville, John L., and A. E. Barneycastle, Burlington, N. C., assignors to Celanese Corporation of America. Feed plate. 2,455,412, Dec. 7.
- Fonyo, Aladar, La Grange, assignor to Wm. J. Stange Co., Chicago, Ill. Condiment. 2,455,749, Dec. 7.
- Food Concentrates, Inc., assignee: *See*—Northcutt, Robert T. and R. T., Jr.
- Food Machinery and Chemical Corporation, assignee: *See*—Wade, John B.
- Food Machinery Corporation, assignee: *See*—Kerr, Charles E.
Krueger, Frank W.
Pancoast, Harry M.
Parker, John K.
Rankin, Dan R., and Wade.
Stillwell, Glenn E., and Paxton.
- Food Research Laboratories, Inc., assignee: *See*—Meinick, Daniel.
- Food, Stanley G.: *See*—New, Archibald A., Food, and Beckwith.
- Foot, A. A., assignee, et al.: *See*—Arave, Franklin M., and Nolan.
- Foot Bros. Gear and Machine Corporation, assignee: *See*—Ardussi, Wallace F., and Walsh.
Mackmann, Arthur.
- Foot, Edward J., Benecia, Calif. Nail stripper. 2,443,498, June 15.
- Foot, Paul C.: *See*—Knutson, Norman T., and Foot.
- Forberg, David A.: *See*—Wheeler, Harold E., and Forberg.
- Forbes, Albert C.: *See*—Linn, Albert W., and Forbes.
- Forbes, Charles J., Terre Haute, Ind. Ring lock cutter chain structure. 2,453,898, Nov. 16.
- Forbes, Gordon D., Sudbury, Mass., assignor, by mesne assignments, to the United States of America, as represented by Secretary of War. Peaking circuit. 2,443,790, June 22.
- Forbes, James E., Dallas, Tex. Utility light. 2,447,403, Aug. 17.
- Forbes, James R., Melbourne, Victoria, Australia. Button back for covered buttons. 2,433,986, Jan. 6.
- Forbes, Theodore W., Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the office of Scientific Research and Development. Auditory tone signal indications for flying. 2,445,712, July 20.
- Forbes, William J., Joplin, Mo. Finger stall. 2,439,653, Apr. 13.
- Forchheimer, Ben, New Orleans, La. Garment protector. 2,434,461, Jan. 13.
- Forcier, Eudore A., U. S. Navy. Hand beading tool. 2,453,126, Nov. 9.
- Ford, Charles J., New York, N. Y. Trap. 2,437,020, Mar. 2.
- Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Machine for sorting cards perforated in alphabetical code. 2,448,788, Sept. 7.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire control instrument. 2,437,463, Mar. 9.
- Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Internal-combustion engine. 2,434,038, Jan. 6.
- Ford Instrument Company, Inc., assignee: *See*—Perguson, Andrew W.
- Ford, Hannibal C.
Garrett, Elmer E., and Conable.
Newell, William H.
Newell, William H., and Brown.
Newell, William H., and McKenney.
Poitras, Edsard J., and Tear.
Ross, Elliott P., and Marsh.
- Ford, James G., Sharon, and R. N. Wenzel, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubricants. 2,456,496, Dec. 14.
- Ford, Jared H.: *See*—Bue, Saul R., and Ford.
- Ford, John L., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter mounting. 2,438,497, Mar. 30.
- Ford, John R., Narberth, Pa., assignor to Radio Corporation of America. Reflectometer for waveguide systems. 2,445,348, July 20.
- Ford, Lester L., Eufaula, Ala. Apparatus for extracting vegetable oil. 2,451,081, Oct. 12.
- Ford Motor Box Company, Inc., The, assignee: *See*—Ford, John L.
- Ford Motor Company, assignee: *See*—Bartholomew, Charles J.
Farmer, Roy E.
Ford, Henry.
Jeter, Edgar C., and Korpi.
Jovanovich, Milton, and Wharam.
Pinardi, Charles P., and Brock.
Roberts, Albert O., and Wharam.
Roeder, Dale, and Brock.
Simpson, Ernest L.
Toelle, August.
Wharam, John J., and Bastien.
Wharam, John J., and Jovanovich.
Wharam, John J., and Loon.
- Ford Roofing Products Company, assignee: *See*—O'Reilly, Martin G.
- Ford, Silas M., Jr., assignor of one-half to G. Hamm, St. Paul, Minn. Foldable picture frame. 2,443,234, June 15.
- Ford, Thomas A.: *See*—Coffman, Donald D., and Ford.
- Ford, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. The preparation of alpha, alpha-dialkyl beta-chloropropionic acids. 2,449,163, Sept. 14.
- Ford, Thomas A., Wilmington, Del., and W. E. Hanford, Easton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinylidene fluoride and obtaining the same. 2,435,537, Feb. 3.
- Ford, Thomas A., and H. W. Jacobson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkyl-substituted ethanes. 2,440,678, May 4.
- Ford, William C.: *See*—Vinciguerra, Joseph F., and Ford.
- Ford, William W., and F. D. Thiel, Baton Rouge, La., assignors to Standard Oil Development Company. Low-temperature polymerization process. 2,455,665, Dec. 7.
- Fordham, Stanley, Saltcoats, Scotland, and John L. Moilliet, Styal, England, assignors to Imperial Chemical Industries Limited. Gelatine blasting explosive compositions containing water-soluble salts. 2,454,643, Nov. 23.
- Fordyce, Reid G., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Process for polymerizing vinyl compounds and products formed thereby. 2,444,817, July 6.
- Foreman, Julius C., Chicago, Ill. Garbage can liner. 2,433,945, Jan. 6.
- Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. Electron gun mounting. 2,441,315, May 11.
- Forgue, Stanley V., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube apparatus. 2,454,378, Nov. 23.
- Forkish, Leonard A., New York, N. Y. Child's outer garment. 2,436,165, Feb. 17.
- Formfit Company, The, assignee: *See*—Abeles, Jerome G.
- Formhals, William H.: *See*—Ludwig, Leon R., Pockler, and Formhals.
- Forney, Elbridge W., Canton, Ohio. Drying machine of the air circulating, rotary drum, and enclosing casing type. 2,438,995, Apr. 6.
- Forney, James D., Fort Collins, Colo. Electrode holder. 2,438,279, Mar. 23.
- Forney, James D., Fort Collins, Colo. Welding transformer. 2,449,649, Sept. 21.
- Forney, Harold R., Surprise, Nebr. Extensible and retractable draft hitch. 2,446,223, Aug. 3.
- Fornwald, Lawrence J., Plymouth, Mich. Safety door lock. 2,453,505, Nov. 9.
- Fornwalt, Ralph W., Lebanon, Pa. Synthetic plastic pad. 2,442,405, June 1.
- Forrest, Marshall W., assignor to Angier Corporation, Framingham, Mass. Wrapping sheet for oil-slushed metal articles. 2,445,945, July 27.
- Forrest, Thomas W. W., assignor to D. R. Hoak, Fresno, Calif. Raisin stemming device including reciprocating ladderlike grids. 2,446,646, Aug. 10.
- Forrest, William H.: *See*—Greene, Edgeworth, and Forrest.
- Forry, James E., Culver City, assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Holding device. 2,434,152, Jan. 6.
- Fors, Manford C., Salinas, Calif. Hopper gate. 2,448,303, Aug. 31.
- Forsberg, Erik A., Nockeby, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Centrifuges for separating from a liquid matters suspended or emulsified therein. 2,435,623, Feb. 10.
- Forsberg, Harold S., Shelton, Conn. Tool. 2,437,296, Mar. 9.
- Forsberg, Karl E.: *See*—Hansen, Laurits A., and Forsberg.
- Forsell, Richard H., Spokane, Wash. Sewing cabinet. 2,443,132, June 8.
- Forsman, Gunard, assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire straightener or shaper. 2,445,615, July 20.
- Forsmark, Harold R., assignor to Stiger Precision Products, Inc., Chicago, Ill. Micrometer bore gauge. 2,456,497, Dec. 14.

- Fors, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Impact clutch. 2,439,337, Apr. 6.
- Forsell, Eric G., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Detecting flaws in tubular steel castings. 2,435,134, Jan. 27.
- Forsell, Eric G., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Apparatus for X-ray photographing tubular steel castings. 2,437,688, Mar. 16.
- Forster, Henry, Broadview, Ill. Piston wrist pin carrier. 2,438,849, Mar. 30.
- Forster, Percy: *See*—
De Olariaga, Sara M. I., Bulgarini, and Forster.
- Forster, Warren S.: *See*—
Scalera, Mario, and Forster.
- Forstrom, Edward W., Stratford, Conn., assignor to General Electric Company. Electrode contact. 2,452,917, Nov. 2.
- Forsyth, Archibald G.: *See*—
Smith-Pert, George J., and Forsyth.
Snader, Ira J., and Forsyth.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Self-contained variable pitch propeller. 2,437,188, Mar. 2.
- Forsyth, Archibald G., Cheam, assignor to Fairey Aviation Company Limited, Hayes, Middlesex, England. Self-contained unit for variable pitch propellers. 2,437,189, Mar. 2.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Combustion gas and steam turbine arrangement. 2,447,696, Aug. 24.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Supercharged multiple motor internal combustion unit for aircrafts. 2,448,789, Sept. 7.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Electrically operated pitch changing mechanism. 2,455,000, Nov. 30.
- Forsyth, Edmond J., Chicago, Ill. Easel stand. 2,447,460, Aug. 17.
- Forsyth, Joseph H., Santa Ynez, Calif. Bookmark. 2,449,211, Sept. 14.
- Forsyth, Ralph K., Santa Barbara, Calif. Signal trainer. 2,452,449, Oct. 26.
- Forsythe, John W., deceased, by M. A. Forsythe, executrix, Wilkinsburg, and E. J. Smotzer, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Thawing materials. 2,449,932, Sept. 21.
- Forsythe, Mary A., executrix: *See*—
Forsythe, John W.
- Fortess, Fred: *See*—
Seymour, George W., and Fortess.
- Fortin, Victor, La Tuque, Quebec, Canada. Chimney scraper. 2,455,001, Nov. 30.
- Fortney, William H., Baytown, Tex., assignor to Standard Oil Development Company. Gravity indicator for fluids. 2,442,039, May 25.
- Forton, Harold R., Greenback, Tenn. Method and apparatus for forming a powder from metals. 2,451,546, Oct. 19.
- Fortuna, Bruno G., and Emil Helliker, North Bergen, N. J. Embroidery machine. 2,454,379, Nov. 23.
- Fosgood Corporation, assignee: *See*—
Ward, Robert S.
- Fossum, Henry O., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Valve for rock drills. 2,448,875, Sept. 7.
- Foster, Arnold L., Brooklyn, N. Y. Design-mold for treating fur. 2,449,111, Sept. 11.
- Foster, Arnot P., Cincinnati, Ohio. Operating fluorescent lamps. 2,443,235, June 15.
- Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Making elastic fabrics. 2,450,948, Oct. 12.
- Foster, Charles H., New York, N. Y. Airplane control toy. 2,454,693, Nov. 23.
- Foster, Cyril J., assignor, by mesne assignments, to T. Hawkinson and H. Burnett, Chicago, Ill., co-partners, trading as Crimp Seal Products Co. Terminal member. 2,456,118, Dec. 14.
- Foster, Edwin E., Austin, Tex. Counterbalance mechanism. 2,453,424, Nov. 9.
- Foster, George A. R., and J. Gregory, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Method and apparatus for doffing spinning frames and the like. 2,449,742, Sept. 21.
- Foster, George H., Stamford, and E. F. Williams, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Crystalline material preparation. 2,445,478, July 20.
- Foster, Harry K., Pittsburgh, Pa. Baton. 2,450,545, Oct. 5.
- Foster, Jackson W., and L. E. McDaniel, assignors to Merck & Co., Inc., Rahway, N. J. Production of penicillin. 2,448,790, Sept. 7.
- Foster, Jackson W., New York, N. Y., and L. E. McDaniel, assignors to Merck & Co., Inc., Rahway, N. J. Production of penicillin in cotton seed meal medium. 2,448,791, Sept. 7.
- Foster, Jesse O., Linwood, and G. R. Clawson, Salisbury, N. C. Loom letoff mechanism. 2,435,437, Feb. 3.
- Foster, Larry, Foundation, assignee: *See*—
Foster, Thomas J.
- Foster Machine Company, assignee: *See*—
Davis, Edward R., and Doughty.
Doughty, Howard W., Jr.
Stange, Ferdinand F.
- Foster, Newton C.: *See*—
Swiss, Jack, and Foster.
- Foster, Newton C., McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cast polymerization. 2,451,935, Oct. 19.
- Foster, Peyton J., Corinth, Miss. Portable derrick hoist. 2,443,349, June 15.
- Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Picture size control circuit for television receivers. 2,443,030, June 8.
- Foster, Reginald T., Birkenhead, and N. Bennet, Ditton, England, assignors to Imperial Chemical Industries Limited. Manufacture of dichloro phenols. 2,440,602, Apr. 27.
- Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Manufacture of acrylonitrile from acetylene and HCN. 2,442,040, May 25.
- Foster, Robert E.: *See*—
Wallace, Frank C., and Foster.
- Foster, Theodore, assignor to The Monarch Machine Tool Company, Sidney, Ohio. Lathe attachment. 2,450,788, Oct. 5.
- Foster, Thomas J., Ridgewood, assignor to Larry Foster Foundation, Montclair, N. J. Building constructions. 2,445,823, July 27.
- Foster, Walter W., Wichita, Falls, Tex. Automatic cat-head. 2,436,717, Feb. 24.
- Foster Wheeler Corporation, assignee: *See*—
De Lorenzo, Bartholomeo.
- Fostoria Pressed Steel Corporation, assignee: *See*—
Goble, Lawrence E.
- Fot, Chin J., assignor to Guyan Machinery Company, Logan, W. Va. Terminal clips. 2,438,850, Mar. 30.
- Foudy, Francis W., assignor to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,455,002, Nov. 30.
- Fought, William O., Jr., Parkersburg, W. Va. Garment stand. 2,454,148, Nov. 16.
- Fouke, George W., assignor to Lee-Rowan Company, St. Louis, Mo. Sock drier. 2,451,208, Oct. 12.
- Foulds, Neil M.: *See*—
Wolf, Cecil, and Foulds.
- Foulke, Thomas A., Executor: *See*—
Burns, Joseph R.
- Foulkes, Christopher H., assignor to Standard Telephones and Cables Limited, London, England. Mechanical adjustment of elements mounted inside vacuum tubes. Re. 22,982, Mar. 9.
- Foulkes, Christopher H., London W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Ultra high frequency electron discharge device. 2,451,328, Oct. 12.
- Foulkes, Christopher H., assignor to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus. 2,454,786, Nov. 30.
- Fouls, Edwin D., United States Navy. Jet propulsion fuel feeding and exhaust control device. 2,443,186, June 15.
- Foulston, Roy A., Tugaskie, Saskatchewan, Canada. Wind electric governor. 2,454,440, Nov. 23.
- Foundry Equipment Company, The, assignee: *See*—
Barnett, Charles A., and Beyvl.
- Fountain, Claude R., Spring Lake, N. J., assignor to the United States of America, as represented by the Secretary of War. Voltage measuring device. 2,440,679, May 4.
- Fountain, James M., assignee: *See*—
King, Gladys S.
- Fountain, Lawrence L.: *See*—
Wagner, Charles F., and Fountain.
- Fountain, Lawrence L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus bar support. 2,445,424, July 20.
- Fourneau, Ernest, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Amino-dioxacyclopentanes. 2,439,969, Apr. 20.
- Fourneau, Ernest, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. New amino-derivatives of dioxacyclopentane. 2,445,393, July 20.
- Fournier, John L., Los Gatos, Calif. Transforming volcanic rock. 2,455,666, Dec. 7.
- Fowler, Arthur H.: *See*—
Vokes, Cecil G., and Fowler.
- Fowler, Chester C., Evanston, and G. T. Clark, Chicago, Ill., assignors to Lanteen Medical Laboratories, Inc. Tablet counting apparatus. 2,457,220, Dec. 28.
- Fowler, Clarence B., Washington, D. C. Lamp circuit and control. 2,433,840, Jan. 6.
- Fowler, Clarence E., Hollywood, Calif. Hydraulic pulsator system. 2,456,869, Dec. 21.
- Fowler, Floyd A.: *See*—
Wilson, Evan F., Grubb, and Fowler.
- Fowler, Harlan D., San Diego, Calif. Locking and safety signal combination for cargo airplanes. 2,439,423, Apr. 13.

- Fowler, Harlan D., San Diego, Calif. Cargo container for airplanes. 2,442,459, June 1.
- Fowler, Ival G., Toledo, and D. W. Dunipace, Perrysburg, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing optical elements from commercial plate glass. 2,452,364, Oct. 26.
- Fowler, John, Stockport, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electric switch. 2,435,438, Feb. 3.
- Fowler, John T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material reducing apparatus particularly adapted to reduce metal turnings. 2,453,008, Nov. 2.
- Fowler, Raymond F., Colorado Springs, Colo. Device for holding articles in roofs of automobiles. 2,438,659, Mar. 30.
- Fox, Alexander P.: *See*—
Rotter, Lutwin C., Fox, and Mueller.
- Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricant injector. 2,448,585, Sept. 7.
- Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide bend. 2,434,645, Jan. 20.
- Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide branching arrangement. 2,434,646, Jan. 20.
- Fox, Arthur G., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission. 2,438,119, Mar. 23.
- Fox, Arthur G., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective system. 2,443,612, June 22.
- Fox, Arthur L., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfonated polybenzyl. 2,445,569, July 20.
- Fox, Benjamin, Philadelphia, Pa., assignor, by mesne assignments, to H. H. Eby, Fort Wayne, Ind. Spring binding post. 2,447,324, Aug. 17.
- Fox, Benjamin, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. High emission cathode. 2,452,044, Oct. 26.
- Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,439,164, Apr. 6.
- Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,442,593, June 1.
- Fox, Charles W.: *See*—
Larson, Albert H., and Fox.
- Fox, Edward A., Jr., and S. C. Tingquist, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for molding wax objects. 2,434,557, Jan. 13.
- Fox, Grady L., assignee, et al.: *See*—
Dysart, Norman A.
- Fox, Irving: *See*—
Raskin, Archie, Fox, and Puls.
- Fox, Kenneth H., Red Bank, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electromagnetic apparatus. 2,438,745, Mar. 30.
- Fox, Louine M., New York, N. Y. Compact. 2,442,541, June 1.
- Fox, Martin, and G. F. Hassel, Chicago, Ill., assignors to The Seng Company. Sofa bed hinge structure. 2,437,949, Mar. 16.
- Fox, Philip, Bala, Pa. Jewel case. 2,439,045, Apr. 6.
- Fox Products Company, assignee: *See*—
Medlar, Lewis A.
- Fox, Raymond S., and C. A. Whitney, assignors to Niles-Bement-Pond Company, West Hartford, Conn. Continuous air gage. 2,438,696, Mar. 30.
- Fox, Robert A., Glenview, Ill., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Polarized armature electrical instrument. 2,439,970, Apr. 20.
- Fox, William T., Jr., United States Navy. Governor. 2,445,321, July 20.
- Foxboro Company, The, assignee: *See*—
Powditch, Hoel L.
Cook, Lyman.
Philbrick, George A., and Catheron.
- Foy, William J.: *See*—
Wolff, Robert L., and Foy.
- Fraenkel-Conrat, Heinz L.: *See*—
Olcott, Harold S., and Fraenkel-Conrat.
- Fraenkel-Conrat, Heinz L., H. Humfeld, and J. C. Lewis Berkeley, Calif., assignors to the United States of America, as represented by the Secretary of Agriculture. Reaction product of gramicidin and formaldehyde and method of production. 2,438,209, Mar. 23.
- Fraga, Frank M., Fresno, Calif. Implement hitch. 2,438,553, Mar. 30.
- Fraga, Frank M., Fresno, Calif. Tractor scoop. 2,449,212, Sept. 14.
- Fraga, Frank M., Fresno, Calif. Lifting hitch for implements. 2,456,693, Dec. 21.
- Fragen, Nathan, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Recovery of catalysts. 2,437,352, Mar. 9.
- Fragola, Caesar F.: *See*—
Depp, Marlin C., Curry, and Fragola.
- Fram Corporation, assignee: *See*—
Bickle, Harry M.
Burley, George E.
Hicks, Richard V.
- Frame, Gordon F.: *See*—
Allen, Charles F. H., Wilson, and Frame.
- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting mechanism for industrial trucks. 2,439,599, Apr. 13.
- Francek, Joseph R., Fox River Grove, assignor to E. J. Sheehan, Chicago, Ill. Dry expansion of wood veneer. 2,454,787, Nov. 30.
- Franchi, Francisco A. R., Villa Christa, La Rosiaz, near Lausanne, Switzerland. Treatment of iron in order to obtain a clean metallic surface. 2,455,411, Dec. 7.
- Francis, A. Glyn, assignee: *See*—
Middleton, John M.
- Francis, Alfred W., Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of olefins. 2,445,520, July 20.
- Francis, Alfred W., Woodbury, and C. H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkyl benzenes. 2,450,652, Oct. 5.
- Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Process for making needle felts. 2,437,689, Mar. 16.
- Francis, Carleton S., Jr., West Harwich, Mass. Apparatus for forming films and coatings. 2,439,802, Apr. 20.
- Francis, Charles B., Pittsburgh, Pa. Utilization of spent pickling acid and crude coke works ammonia in the manufacture of ammonium sulphate and iron hydrates or oxides. 2,443,765, June 22.
- Francis, Charles B., Pittsburgh, Pa. Utilization of ferrous sulfate solutions in the manufacture of ferric alums. 2,448,425, Aug. 31.
- Francis Company: *See*—
Taft, Franklin J.
- Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Bin level control. 2,441,480, May 11.
- Francis, Fred P., Hartford, Conn. Automatic metering water injector for engines. 2,445,479, July 20.
- Francis, Howard T.: *See*—
Herbert, William S., and Francis.
- Francis, John G., Heidelberg, near Melbourne, Victoria, Australia. Automatic feeding appliance for poultry, pigeons, and other birds. 2,440,332, Apr. 27.
- Francis, Joseph S., assignee: *See*—
Taft, Franklin J.
- Francis, Louis, Union City, N. J. Expandable chamber motor with valved flexible piston. 2,455,245, Nov. 30.
- Francis, Lynn M., Detroit, Mich. Vehicle wheel mounting. 2,441,807, May 18.
- Francis, Oliver T., Renville, Minn. Voltage magnitude discriminator circuit. 2,435,579, Feb. 10.
- Francis, Victor J., Aylesbury, and E. H. Nelson, Harrow Weald, England, assignors to The General Electric Company. Circuit for electric discharge devices. 2,456,870, Dec. 21.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. High-pressure coupling. 2,447,060, Aug. 17.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Control device. 2,448,968, Sept. 7.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Coupling for high-pressure tubing. 2,455,667, Dec. 7.
- Frank, Lester W., assignor to Independent Paper Box Co., Los Angeles, Calif. Collapsible shipping and display carton. 2,435,135, Jan. 27.
- Frank, Paul L., Washington, D. C. Direction signal. 2,456,498, Dec. 14.
- Franco, John G., Cristobal, C. Z. Composition for cold water cement paint. 2,445,521, July 20.
- Frank, Carol, New York, assignor of one-half to A. Romagnoli, Maspeth, L. I., N. Y. Hairpin dispenser. 2,441,352, May 11.
- Frank, Edward J.: *See*—
Boisseau, Alexander C., Beall, Frank, and Lowery.
- Frank, Edward J., and C. S. Keller, Springfield, Pa., assignors to General Electric Company. Control for pressure operated switches. 2,437,086, Mar. 2.
- Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel. 2,439,926, Apr. 20.
- Frank, Herbert J., Philadelphia, Pa. Multiple screw C clamp. 2,440,820, May 4.
- Frank, Herman M., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Slide fastener. 2,440,007, Apr. 20.
- Frank, Louis, Fellows, Calif. Clamping connector and carrier. 2,434,358, Jan. 13.
- Frank, Louis, Fellows, Calif. Electric plug and socket latch. 2,489,462, Apr. 13.
- Frank, Louis, Fellows, Calif. Screw or nut driver. 2,440,854, May 4.
- Frank, Louis, Fellows, Calif. Rivet inserting tool. 2,445,026, July 13.
- Frank Prox Company, Inc., assignee: *See*—
Fluke, Frank L.
- Franko, Roland C., Mullen, Nebr. Material handling apparatus. 2,436,718, Feb. 24.

- Frankel, Leo, Chicago, Ill. Lamp housing for film projectors. 2,452,646, Nov. 2.
- Frankel, Sidney, Forest Hills, and M. Silver, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Condenser discharge control circuit. 2,438,907, Apr. 6.
- Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Voltage control circuit. 2,457,140, Dec. 28.
- Frankenstein, William P., assignee: *See—*
Free, William G., and Jones.
- Frankenstein, William P., Cincinnati, Ohio. Hollow-walled carton. 2,451,209, Oct. 12.
- Frankfield, Robert, assignee: *See—*
Bruck, Michael.
- Franklin, Albert W., New York, assignor of one-half to J. Poster, Brightwaters, N. Y. Making a structural unit. 2,451,725, Oct. 19.
- Franklin, Albert W., New York, N. Y. Radio tube socket. 2,455,300, Nov. 30.
- Franklin, Charles S., Dayton, Ohio. Ground speed indicator. 2,442,765, June 8.
- Franklin, Constance W., Belmont, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Piezoelectric system. 2,447,061, Aug. 17.
- Franklin, John L., Atlanta, Ga. Announcing machine and system. 2,444,818, July 6.
- Franklin, Leslie U., and C. F. Plumhoff, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Isomerization of normal butane. 2,454,149, Nov. 16.
- Franklin Railway Supply Company, assignee: *See—*
Kirchhof, Julius.
Kirchhof, Julius, and Delano.
- Franklin, Raymond F., Scotia, N. Y., assignor to General Electric Company. Commutator for dynamoelectric machines. 2,452,918, Nov. 2.
- Franklin, Raymond J., Chicago, assignor to The Chicago Hardware Foundry Company, North Chicago, Ill. Wrought gray iron welding rod. 2,435,883, Feb. 10.
- Franklin Transformer Manufacturing Company, assignee: *See—*
Fugh, Merlin L.
Savidge, Clinton W.
William, Alan C.
- Franklin, William B.: *See—*
Fisher, Edward J., Franklin, and Smith.
- Franklin, William B., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vapor phase extraction. 2,436,471, Feb. 24.
- Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Weather resistant steel and articles. 2,435,624, Feb. 10.
- Franks, Theodore W.: *See—*
Amesbury, Earl M., Franks, and Jesevich.
- Frankwich, Alexander C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for detecting imperfections in filamentary materials. 2,446,647, Aug. 10.
- Franson, Nils G.: *See—*
Flater, Harold, Berglund, Waernhoff, and Franson.
Flater, Harold, Waernhoff, and Franson.
- Franta, Albert, assignee, et al.: *See—*
Roxy, Frank C.
- Frantz Manufacturing Company, assignee: *See—*
Wolf, Cecil, and Poulds.
- Franz, Arvel O., and O. C. Keplinger, Alton, Ill., assignors to Olin Industries, Inc. Apparatus for the manufacture of explosives. 2,445,741, July 20.
- Franz, Charles H., Jr., Wauwatosa, assignor to The Heinn Company, Milwaukee, Wis. Follower for loose-leaf binders. 2,440,939, May 4.
- Franzene, Robert D., Lake Geneva, Wis., assignor to Henry Hildebrandt, Chicago, Ill. Crank device. 2,452,742, Nov. 2.
- Frankowiak, Nicholas W., Schaller, Iowa. Pump jack. 2,437,911, Mar. 16.
- Fraser, Charles E., Kew Gardens, N. Y. Pneumatic cleaner for sand filters. 2,442,594, June 1.
- Fraser, Harold M., assignor to International Lubricant Corporation, New Orleans, La. Lubricating greases and making the same. 2,455,892, Dec. 7.
- Fraser, James, assignor to Speakman Company, Wilmington, Del. Mixing valve. 2,443,499, June 15.
- Fraser, James, assignor to Speakman Company, Wilmington, Del. Showerhead. 2,448,792, Sept. 7.
- Fraser, John W., Detroit, Mich., and L. Gordon, Eaton-town, N. J. Terminal structure. 2,450,423, Oct. 5.
- Frazier, Joseph W. C., Baltimore, Md., and O. G. Bennett, Forest Hills, assignors to Catalyst Research Corporation, Pittsburgh Pa. Short delay fuse elements. 2,434,067, Jan. 6.
- Fraser, Malcolm W., trustee: *See—*
Parson, John B.
- Frawley, Robert N.: *See—*
Grinstead, Carl E., and Frawley.
- Frazer, Joseph C. W., Baltimore, Md., and O. G. Bennett, Forest Hills, assignors to Catalyst Research Corporation, Pittsburgh, Pa. Time fuse element. 2,440,579, Apr. 27.
- Frazier, Henry D.: *See—*
Blohm, Clyde L., Riesenfeld, and Frazier.
- Frazier, John W.: *See—*
Heintz, Ralph M., and Frazier.
- Frazier, Larry C., Lakewood, Ohio, assignor to National-Standard Company, Niles, Mich. Apparatus for building tires. 2,440,662, Apr. 27.
- Frazier, Larry C., Lakewood, Ohio, assignor to National-Standard Company, Niles, Mich. Extrusion apparatus. 2,453,312, Nov. 9.
- Frazier, Orville Z., assignor of one-half to H. Andresen, Elkhart, Ind. Internal-combustion engine. 2,442,237, May 25.
- Frazier, Van, Springfield, Mo. Tandem axle spring suspension. 2,455,989, Dec. 14.
- Fredenburgh, Charles H., Nyssa, Oreg. Therapeutic device. 2,452,450, Oct. 26.
- Frendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Voltage adjusting system. 2,454,150, Nov. 16.
- Frederick, John T., assignor of one-half to C. E. Green, Huntington, W. Va. Load retainer for hand trucks. 2,453,427, Nov. 9.
- Frederick, Oscar C., Springfield, Pa., assignor to General Electric Company. Control system. 2,452,365, Oct. 26.
- Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for lasting shoes. 2,447,062, Aug. 17.
- Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Art of sewing. 2,454,277, Nov. 23.
- Frederickson, Carl J., assignee, et al.: *See—*
Hart, Carl F.
- Frederiksen, Jacob B., assignor of one-half to L. Sorensen, Detroit, Mich. Fish spear. 2,442,974, June 8.
- Fredholm, Johan O. H., Alsten, and P. H. E. Claesson, Jakobsberg, assignors to N. G. Schonander, Stockholm, Sweden. Device for the frequency modulation of the resonant frequency of cavity resonators. 2,436,640, Feb. 24.
- Fredrich, Edwin T., W. B. Mitchell, and F. E. Buyken, Seattle, Wash. Wire straightener. 2,447,242, Aug. 17.
- Fredrick, Raymond R., assignor to The Bastian-Blessing Company, Chicago, Ill. Telltale control switch. 2,449,213, Sept. 14.
- Free, Charles H.: *See—*
Gordon, Hiram, and Free.
- Free Sewing Machine Co., assignee: *See—*
Ivandick, Matthew G.
- Freeberg, Benjamin F.: *See—*
Alley, Harold R., and Freeberg.
- Freed, Ben J., Washington, D. C. Hot food table heating apparatus. 2,453,425, Nov. 9.
- Freed, Edward A., Moline, Ill. Scrap separator for materials conveyer. 2,455,750, Dec. 7.
- Freed, Samuel, Danbury, Conn. Wheel traction device. 2,453,426, Nov. 9.
- Freedman, Louis, Mount Vernon, N. Y. Preparation of fat soluble vitamins. 2,438,554, Mar. 30.
- Freedman, Louis, Mount Vernon, assignor to U. S. Vitamin Corporation, New York, N. Y. Therapeutic composition. 2,446,916, Aug. 10.
- Freedman, Ruth, New York, N. Y. Brassiere. 2,440,466, Apr. 27.
- Freel, John A., Bay City, Mich. Frenum guide. 2,437,812, Mar. 16.
- Freel, William G., and S. F. Jones, London, Ontario, Canada, assignors, by mesne assignments, to W. P. Frankenstein, Cincinnati, Ohio. Double-walled foldable carton. 2,447,243, Aug. 17.
- Freeland Spool & Bobbin Corp.: *See—*
Markle, George B., Jr.
- Freeman, George H., Toronto, Ontario, Canada. Insulated container for perishable products. 2,444,344, June 29.
- Freeman, Joel G., Mount Vernon, assignor to Pharmaceutical Organics Inc., New York, N. Y. Preparing double salts of ascorbosaliclylate. 2,457,141, Dec. 28.
- Freeman, Jorge T., Buenos Aires, Argentina. Collapsible awning. 2,435,073, Jan. 27.
- Freeman, Raymond C., Marblehead, Mass., and R. F. Wyer, Rexford, N. Y., assignors to General Electric Company. Indicating apparatus. 2,441,406, May 11.
- Freeman, Walter C., Jr., assignor to Sylvania Electric Products Inc., Emporium, Pa. Ultra high frequency tuning unit. 2,450,192, Sept. 28.
- Freeman, Walter R., St. Louis County, Mo. Shaft bearing. 2,439,971, Apr. 20.
- Freeport Sulphur Company, assignee: *See—*
Tainton, Uryln C.
- Freesz, Tibor, assignor to Camloc Fastener Corporation, New York, N. Y. Fastener construction. 2,438,044, Mar. 16.
- Freevol, Harold, assignee, et al.: *See—*
Nelson, Noble A.
- Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,438,697, Mar. 30.
- Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and knitting. 2,440,333, Apr. 27.
- Freholm, Henry M., Midlothian, Ill. Automobile door and window lock. 2,440,742, May 4.
- Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Venting enclosed spaces. 2,442,489, June 1.

- Frei, Jakob R., Sidney, and R. M. Purdy, Bainbridge, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,445,570, July 20.
- Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Coupling means. 2,449,807, Sept. 21.
- Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical connecting means and radio shielding means therefor. 2,452,847, Nov. 2.
- Freinkel, Leonard, Washington, D. C. Control systems for synchronous motors. 2,449,065, Sept. 14.
- Freitag, Fritz, Zurich, Switzerland. Vegetable and fruit peeler. 2,436,562, Feb. 24.
- Fréjacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France. Treating bituminous shales. 2,457,457, Dec. 28.
- Fremlin, John H., and C. Strachey, assignors to Standard Telephones and Cables Limited, London, England. Electron discharge device of the velocity modulation type. 2,445,771, July 27.
- Fremlin, John H., assignor to Standard Telephones and Cables Limited, London, England. Ultra short wave oscillator. 2,452,559, Nov. 2.
- French, Edward A., Chicago, Ill., assignor to Birtman Electric Company. Tank type suction cleaner. 2,447,500, Aug. 24.
- French, Edward A., Chicago, Ill., assignor to Birtman Electric Company. Fan for suction cleaners. 2,457,142, Dec. 28.
- French, Elby E., assignor to O. K. Ko-Op Rubber Welding System, Denver, Colo. Tire repair device. 2,439,083, Apr. 6.
- French, Frederick A.: *See—*
Souders, Mott, Jr., and French.
- French, George F., assignor to R. French, and himself, Manchester, England. Ladder webbing. Re. 22,959, Jan. 6.
- French Look, Inc., The, assignee: *See—*
Licht, Anna.
- French, Louis O., Milwaukee, Wis. Internal-combustion engine. 2,442,082, May 25.
- French, Louis O., Milwaukee, Wis. Grinder. 2,445,138, July 13.
- French Oil Mill Machinery Company, The, assignee: *See—*
Stacy, Thomas F.
- French, Roger, assignee: *See—*
French, George F.
- French, Roy B., Superior, W. Va. Key retainer. 2,448,969, Sept. 7.
- French, Walter F., Schlater, assignor to H. Y. Kitchell, Greenwood, Miss. Disc and blade sharpener. 2,435,775, Feb. 10.
- Frendo, John V., Detroit, Mich. Block cleaner. 2,443,001, June 8.
- Frennesen, Carl U., St. Paul, Minn. Main spring tension indicator for watches and similar mechanisms. 2,443,558, June 15.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Inductance clip. 2,445,772, July 27.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Multiple contactor. 2,454,788, Nov. 30.
- Freund, Clarence H., Wilmette, assignor to C. H. and I. Freund, and J. W. and A. L. Walz, copartners doing business as Nu-Art Engraving Company, Chicago, Ill. Printing names on cards. 2,436,691, Feb. 24.
- Freund, Irene, assignee, et al.: *See—*
Freund, Clarence H.
- Freund, Robert R., Mount Carmel, Ill. Patient adjustable foot section for articulated beds. 2,452,366, Oct. 26.
- Freund, Robert R., Mount Carmel, J. M. Royal, Villa Park, and L. F. Schoelkopf, Madison, Wis.; said Royal and said Schoelkopf assignors to said Freund. Sanitation hospitalization bed. 2,443,905, June 22.
- Frevel, Bart W., Minneapolis, Minn. Hole cutter. 2,435,648, Feb. 10.
- Frewin, Kenneth M.: *See—*
Campbell, Edward R., Frewin, Lennox, and Morris.
- Frey, Charles N., Scarsdale, and G. E. Miller, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Drying egg substance and resulting product. 2,447,063, Aug. 17.
- Frey, Cleon F., Greenfield, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical transformer and primary winding thereof. 2,445,169, July 13.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing cyclopentadiene. 2,434,403, Jan. 13.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenation of 2,3-dimethylbutane. 2,438,315, Mar. 23.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrogen fluoride solutions. 2,445,217, July 13.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrofluoric acid alkylation process. 2,450,038, Sept. 28.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,450,039, Sept. 28.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Co. Moldable reaction products of sulfur dioxide and olefins. 2,450,424, Oct. 5.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of paraffins in presence of hydrofluoric acid. 2,455,003, Nov. 30.
- Frey, Frederick E., Bartlesville, Okla., P. V. McKinney, Pittsburgh, Pa., and W. H. Wood, Cleveland, Ohio, assignors to Phillips Petroleum Company. Alkylating hydrocarbons. 2,445,824, July 27.
- Freygang, Walter H., Essex Fells, N. J., assignor to Kidde Manufacturing Co., Inc. Apparatus for dehumidifying air. 2,438,120, Mar. 23.
- Freyre, Daniel V., Buenos Aires, Argentina. Thread-holding pincers for the cleansing of interdental and intermolar spaces. 2,444,697, July 6.
- Freysinger, John B., Hamden, assignor to Sargent & Company, New Haven, Conn. Door lock. 2,444,819, July 6.
- Freysinger, John B., Hamden, assignor to Sargent & Company, New Haven, Conn. Door lock. 2,444,820, July 6.
- Freyssinet, Eugène, Neuilly-sur-Seine, France. Piles and making the same. 2,435,345, Feb. 3.
- Frez-O-Mat Corporation, assignee: *See—*
Rifkin, Milton.
- Frez-O-Mat Sales Corporation, assignee: *See—*
Rifkin, Milton.
- Friberg, Alger R., Beverly Hills, Calif. Apparatus for lining brakes. 2,444,191, June 29.
- Frick, Albion N., assignor to F. G. Bradbury, Los Angeles, Calif. Method and apparatus for cooling by evaporation. 2,437,156, Mar. 2.
- Frick Company, assignee: *See—*
Good, Daniel F.
- Friden Calculating Machine Co., Inc., assignee: *See—*
Machado, Anthony B.
- Moody, John L.
- Fridolph, Annette, New York, N. Y. Mattress handle. 2,435,388, Feb. 3.
- Fridolph, Maude C., Los Angeles, Calif. Body garment. 2,445,322, July 20.
- Fried, Joseph W., Los Angeles, Calif. Foot control accessory for drill presses. 2,444,562, July 6.
- Fried, Schenk's Wee. Stadtmühle Bern, assignee: *See—*
Stalder, Oskar.
- Frieder, Leonard P., assignee: *See—*
Johnsen, Bjornulf.
- Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Mechanical release. 2,442,682, June 1.
- Frieder, Leonard P., Great Neck, Long Island, and W. S. Finken, Brooklyn, N. Y., said Finken assignor to said Frieder. Balloon apparatus and parachute associated therewith. 2,444,642, July 6.
- Frieders, Robert T., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Folded napkin dispenser. 2,434,206, Jan. 6.
- Friedhelm, Ernst A. H., and S. Soloway, New York, N. Y. Addition compounds of pyridine derivatives and preparing same. 2,455,924, Dec. 14.
- Friedlen, Maurice A., Chicago, Ill. Preparing appliques for attachment. 2,456,264, Dec. 14.
- Friedman, Bernard S., Chicago, and G. L. Hervert, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Production of surface active agents. 2,456,119, Dec. 14.
- Friedman, Bertha B., Inwood, Long Island, N. Y. Crib robe. 2,443,102, June 8.
- Friedman, Ernest, New York, N. Y. Indicating system for baseball games. 2,440,042, Apr. 20.
- Friedman, Henry, Chicago, Ill. Saliva ejector and reflector. 2,436,040, Feb. 17.
- Friedman, Herbert, Arlington, Va. Analysis by fluorescent X-ray excitation. 2,449,066, Sept. 14.
- Friedman, Herbert, Arlington, Va. X-ray apparatus and method for crystal analysis. 2,452,045, Oct. 26.
- Friedman, Jules, New York, N. Y. Button broaching machine. 2,438,363, Mar. 23.
- Friedman, Philip, New York, N. Y. Garment hanger. 2,444,345, June 29.
- Friedman, Theodore, New York, N. Y. Collapsible container. 2,438,434, Mar. 23.
- Friedmann, Hugo, Astoria, N. Y. Divider and the like with measuring scales. 2,454,050, Nov. 16.
- Friedrich, Ed. Inc., assignee: *See—*
Brinkoeter, Clinton C.
Hardin, Hubert W.
- Friedrich, Frank, West Forest Hills, Long Island, N. Y., assignor to The National Steam Conservation Company. Motor and receptacle therefor. 2,442,871, June 8.
- Friedrich, Robert E.: *See—*
Leeds, Winthrop M., and Friedrich.
- Friegel, August R., deceased; E. M. Friegel, administratrix, assignor to The Superior Appliance Company, New York, N. Y. Interlock. 2,441,316, May 11.
- Friegel, Elsie M., administratrix: *See—*
Friegel, August R.
- Frieleman, Jacob G., Tiffin, Ohio. Sanitary garment. 2,450,789, Oct. 5.
- Friend, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Television system. 2,451,026, Oct. 12.

- Friend, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Power supply. 2,452,013, Oct. 19.
- Fries, Eduard, Zurich-Oerlikon, Switzerland. Transformer with regulatable leakage reactance. 2,437,021, Mar. 2.
- Friette, Vincent J., New York, N. Y., assignor to Ridbo Laboratories, Inc., Paterson, N. J. Sulfur containing coating compositions. 2,440,467, Apr. 27.
- Frink, Frederick W., East Orange, N. J. Calculating device. 2,440,438, Apr. 27.
- Frink, Frederick W., East Orange, N. J., and M. Kaplan, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Tuning control mechanism. 2,454,789, Nov. 30.
- Frink, Russell E.: *See*—
Dickinson, Robert C., and Frink.
- Frisby, Frank D., and M. W. Marien, assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Hydraulic control oil ring. 2,446,224, Aug. 3.
- Frisby, Frank D., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Retaining ring. 2,450,425, Oct. 5.
- Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,447,644, Aug. 24.
- Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Propulsion drive. 2,451,936, Oct. 19.
- Frisch, Erling, Pittsburgh, and M. R. Lory, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ship propulsion controls. 2,447,643, Aug. 24.
- Frisch, Irving M., assignee, et al.: *See*—
Boeringer, Barbara S.
- Frisch, Marie: *See*—
Ryer, August I., and Frisch.
- Frische, Carl A., Great Neck, T. M. Ferrill, Jr., Hempstead, and J. M. Slater, Garden City, N. Y., assignors to The Sperry Corporation. Stabilized radio direction finder and homing device. 2,437,251, Mar. 9.
- Fritch, Charles A., Brantford, Ontario, Canada. Grit blending and spreading machine. 2,445,027, July 13.
- Fritsch, Nicholas, Graf, Iowa. Dirt retainer for culverts and pipes. 2,445,522, July 20.
- Fritsch, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Training device for object locating signaling systems. 2,442,351, June 1.
- Fritsch, Walter W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting and connecting apparatus. 2,444,037, June 29.
- Fritzinger, George H., assignee: *See*—
Kendall, Harold G.
- Fritzinger, George H., West Orange, N. J., assignor of one-half to H. J. Kendall, Brooklyn, N. Y. Device for and method of using adhesive tape. Re. 22,972, Feb. 10.
- Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Apparatus for using adhesive tape. 2,437,022, Mar. 2.
- Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Polarized armature current ratimeter. 2,446,579, Aug. 10.
- Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical control and/or measuring system. 2,456,499, Dec. 14.
- Fritzen, Thomas L., Florence, Ala., assignor to Reynolds Metals Co., Richmond, Va. High-strength corrosion-resistant aluminum alloy sheets. 2,454,312, Nov. 23.
- Froehlich, Kurt, and E. Grieshaber, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Reversing gear. 2,434,647, Jan. 20.
- Froelich, Edward, New York, N. Y. Eyeglass. 2,449,694, Sept. 21.
- Froelich, George E., Two Rivers, Wis. Knockapart toy. 2,457,653, Dec. 28.
- Froelich, Herman C.: *See*—
Porter, Lawrence C., and Froelich.
- Froelich, Herman C., Cleveland, Ohio, assignor to General Electric Company. Luminescent material. 2,443,728, June 22.
- Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Ultraviolet emitting magnesium pyrophosphate phosphor. 2,455,415, Dec. 7.
- Froelich, Herman C., Cleveland, and A. R. Hersey, Shaker Heights, Ohio, assignors to General Electric Company. Calcium cadmium molybdate phosphor. 2,434,764, Jan. 20.
- Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Calcium phosphate phosphor. 2,455,413, Dec. 7.
- Froelich, Herman C., and J. M. Margolis, Cleveland Heights, Ohio, assignors to General Electric Company. Aluminum phosphate phosphor. 2,455,414, Dec. 7.
- Fröhlich, Alfred: *See*—
Zeh, Walter, Schneider, and Fröhlich.
- Frohner, Rudolph: *See*—
Fryzel, Louis V., and Frohner.
- Frobock, Warren S., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Control of vaporizable material. 2,456,396, Dec. 14.
- Frohring, Paul R.: *See*—
Tabor, Joseph M., Seibert, and Frohring.
- Froland, Olav, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,434,315, Jan. 13.
- Frolich, Per K., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Modifying agents for use in low-temperature polymerization reactions. 2,456,265, Dec. 14.
- Frolich, Per K., Westfield, and I. E. Lightbown, Roselle, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Copolymer compositions containing finely divided metal particles. 2,441,945, May 25.
- Fromer, Walter C., assignor to Crown Can Company, Philadelphia, Pa. Head spacing apparatus for container closing machines. 2,444,502, July 6.
- Frondel, Clifford, Flushing, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Quartz oscillator plate. 2,437,912, Mar. 16.
- Frondel, Clifford, Flushing, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Quartz oscillator plate. 2,437,913, Mar. 16.
- Frondel, Clifford, Flushing, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Quartz oscillator plate. 2,437,914, Mar. 16.
- Frondel, Clifford, Flushing, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Quartz oscillator plate. 2,437,915, Mar. 16.
- Frondel, Clifford, Flushing, assignor to Reeves-Ely Laboratories, Inc., New York, N. Y. Quartz oscillator plates. 2,449,844, Sept. 21.
- Fronmuller, Douglas: *See*—
Rowland, Ben W., and Fronmuller.
- Frontz, Le Roy, Allenwood, Pa. Portable wire reel holder. 2,453,979, Nov. 16.
- Frosch, Alex, Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,436,563, Feb. 24.
- Frosch, Alex, Houston, Tex., assignor to Standard Oil Development Company. Induction magnetometer. 2,451,819, Oct. 19.
- Frosch, Carl J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cured polyester synthetic rubbers formed from dissecondary glycols. 2,448,584, Sept. 7.
- Frost, Charles B.: *See*—
TeGrotenhuis, Theodore A., and Frost.
- Frost, H., and Company, Limited, assignee: *See*—
Perrio, Albert E. B.
- Frost, Leslie R., Southampton, England. Electric selective signaling system. 2,454,967, Nov. 30.
- Frost, Lester P., U. S. Army, Fort Belvoir, Va. Outtrigger type support. 2,436,799, Mar. 2.
- Frost, Robert P., Redding, Calif. Press assembly. 2,439,725, Apr. 13.
- Frost, Walter, Rochdale, England. Cotton bale mixing and opening machine. 2,445,912, July 27.
- Frost, William F., Stewart Manor, N. Y., assignor to The Sperry Corporation. Rate taking circuit. 2,445,773, July 27.
- Frost, Wright W., Knoxville, Tenn., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Object holder for opaque picture projectors. 2,449,112, Sept. 14.
- Frostick, Harold G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator system. 2,456,936, Dec. 21.
- Frudden, Conrad E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Forage cutting apparatus, including rotor having pocketed blades. 2,450,277, Sept. 28.
- Fruehauf Trailer Company, assignee: *See*—
Reid, Frederick M.
- Fruit and Produce Packing, Incorporated, assignee: *See*—
McCormick, James A.
- Fruit Growers Express Company, assignee: *See*—
Thompson, Clifford J.
- Frum, Alexander: *See*—
Grieg, Donald D., Frum, and Dubin.
- Frunk, Otto E., assignor to Aktiebolaget Linham, Stockholm, Sweden. Machine for grinding internal surfaces of workpieces. 2,442,595, June 1.
- Fruth, Hal F., Chicago, Ill., assignor to Motorola, Inc. Holder for piezoelectric crystal units. 2,434,265, Jan. 13.
- Fruth, Hal F., Skokie, Ill. Electric discharge device. 2,449,113, Sept. 14.
- Fruth, Hal F., Chicago, and D. E. Noble, Elmhurst, Ill., assignors to Motorola, Inc. Piezoelectric crystal unit. 2,434,266, Jan. 13.
- Fry, Bruce M.: *See*—
La Mont, Elbert M., and Fry.
- Fry, Donald R., East Greenbush, N. Y. Dry cell depolarizing and reconditioning device. 2,451,726, Oct. 19.
- Fry, Douglas J.: *See*—
Kendall, John D., and Fry.
- Fry, Eugene M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote control mechanism. 2,441,808, May 18.
- Fry, Glenn A., Columbus, Ohio, assignor to the United States of America, as represented by the Secretary of War. Contrast measuring device. 2,435,074, Jan. 27.
- Fry, Horace P., Jr., Swarthmore, R. W. Stanley, Drexel Hill, and H. J. McDermott, Prospect Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Conditioning filamentary material. 2,447,977, Aug. 24.

- Fry, Macon: *See*—
McLaren, Peter J., Vaughan, and Fry.
- Fry, Macon, et al.: *See*—
Maxson, William L., McLaren, Black, and Fry.
- Fry, Sedgwick T., assignor to Philco Corporation, Philadelphia, Pa. Insulating support structure. 2,433,449, June 15.
- Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier. 2,446,465, Aug. 3.
- Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Blocking layer rectifier. 2,446,466, Aug. 3.
- Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Dry plate rectifier. 2,446,467, Aug. 3.
- Fry, Stanley S., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifiers. 2,446,468, Aug. 3.
- Fry, Walter L., South Merstham, Redhill, England. Electric heater member for apparatus for permanently waving the hair. 2,443,183, June 8.
- Frye, Frederick E. J., Weston, Ontario, and E. A. Pollard, Ville St. Laurent, Quebec, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Demand valve. 2,437,462, Mar. 9.
- Frye, Jack, Broomfield, Abbots Langley, England. Milling machine control gear. 2,450,546, Oct. 5.
- Frye, Norman, Davenport, Iowa. Power transmission shaft. 2,441,265, May 11.
- Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of butadiene-1,3 hydrocarbons in acidic aqueous emulsion in the presence of a persulfate and aluminum chloride. 2,444,643, July 6.
- Fryzel, Louis V., and R. Frohner, New York, N. Y. Adjustable stanchion. 2,436,800, Mar. 2.
- Fuchs, Morton, New York, assignor to Federal Standard Telephone and Radio Corporation, New York, N. Y. Mechanical modulator. 2,434,917, Jan. 27.
- Fuehrer, George H., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for rock drills. 2,450,278, Sept. 28.
- Fuehrer, George H., Phillipsburg, N. J., and C. W. Hosking, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Drilling machine. 2,445,218, July 13.
- Fuel Refining Corporation, assignee: *See*—
Otto, Carl.
- Fuel Research Corporation, assignee: *See*—
Zwoyer, Ellsworth B. A.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter dust cover. 2,443,159, June 8.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. High-speed symmetrical opening photographic shutter. 2,448,876, Sept. 7.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Bulb exposure mechanism for camera shutters. 2,448,877, Sept. 7.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamoelectric machine. 2,438,872, Mar. 30.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Single-phase induction-motor control system. 2,454,968, Nov. 30.
- Fuge, Harry B., and J. W. Momberg, Somerville, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Signal device for thermostatic switches. 2,439,338, Apr. 6.
- Fuglie, Elmer A., assignor to Winona Tool Manufacturing Company, Winona, Minn. Electrical circuit tester. 2,445,667, July 20.
- Fuhrer, Charles: *See*—
Fuhrer, Fred and C.
- Fuhrer, Fred, Geneva, and C. Fuhrer, Uniondale, Ind. Coupling pin. 2,436,210, Feb. 17.
- Fuhrman, Robert C., assignor to The Parker Appliance Company, Cleveland, Ohio. Antiseize and sealing composition. 2,448,090, Aug. 31.
- Fujiwara, Hatsue, assignee: *See*—
Fujiwara, Mack M.
- Fujiwara, Mack M., assignor of 40 per cent to H. Fujiwara, Chicago, Ill. Toy cap gun. 2,446,698, Aug. 10.
- Fulke, Frank L., Terre Haute, Ind. Adjustable sectional boat. 2,441,999, May 25.
- Fulke, Frank L., assignor to Frank Prox Company, Inc., Terre Haute, Ind. Coal cutting bit and holder therefor. 2,449,288, Sept. 14.
- Fulkerson, Dorman J.: *See*—
Kovacs, Stella, and Fulkerson.
- Füllemann, Johann, Washington, D. C., assignor to Alfred Buchl, Winterthur, Switzerland. Speed responsive regulation of turbosupercharged engines. 2,444,644, July 6.
- Fuller, Alfred J.: *See*—
Potter, William W., and Fuller.
- Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vulcanizing saturated linear polymers and vulcanized products produced thereby. 2,442,330, June 1.
- Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyethylene isopropylene sebacate adhesive compositions and methods and articles utilizing them. 2,443,613, June 22.
- Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Organic peroxide-curable and organic peroxide-cured synthetic polyester rubbers. 2,448,585, Sept. 7.
- Fuller Company, assignee: *See*—
Gaffney, Joseph B.
- Fuller, Everett E.: *See*—
Berger, Henry G., Noland, and Fuller.
- Fuller, Everett W.: *See*—
Berger, Henry G., and Fuller.
- Fuller, Everett W., Woodbury, R. V. White, Pitman, N. J., and B. W. Story, Freehold, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,443,578, June 15.
- Fuller, Everett W., Woodbury, R. V. White, Pitman, N. J., and B. W. Story, Freehold, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,443,579, June 15.
- Fuller, Everett W., and H. S. Angel, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,455,668, Dec. 7.
- Fuller, Frederic B.: *See*—
Gilbert, Francis W., and Fuller.
- Fuller, Frederick, Middletown, N. Y. Draftsman's compass. 2,448,878, Sept. 7.
- Fuller, Frederick L.: *See*—
Watson, Thomas J., Beattie, and Fuller.
- Fuller Label & Box Company, assignee: *See*—
Monks, Frank E.
- Fuller, Lawrence J., assignor to Welding Engineers Incorporated, Philadelphia, Pa. Extruder. 2,441,222, May 11.
- Fuller, Mack F.: *See*—
Burrows, Lawton A., and Fuller.
- Fuller Manufacturing Co., assignee: *See*—
Cook, Charles A.
Trail, Herbert H.
- Fuller, Walton H., Graeagle, Calif. Barbecue set. 2,441,190, May 11.
- Fullers' Earth Union Limited, The, assignee: *See*—
Speakman, John B., and Whewell.
- Fullerton, Herbert S. Merion, Pa., assignor to The Baldwin Locomotive Works. Apparatus for testing tubes by fluid pressure. 2,445,876, July 27.
- Fullman, James B.: *See*—
Thompson, George J., Koester, Jr., and Fullman.
- Fullmer, Norman C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitor. 2,443,677, June 22.
- Fulton, Claude C., Florissant, Mo. Attachable traction lug rim. 2,451,937, Oct. 19.
- Fulton, Joel B., assignor to R. L. Brinson Company, trading as Transport Apparatus and Device Company, High Point, N. C. Air controlled throttle. 2,449,599, Sept. 21.
- Fulton, Lyle W.: *See*—
Baysinger, Royal D., and Fulton.
- Fulton Sylphor Company, The, assignee: *See*—
Giesler, Jean V.
- Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Fuel burner. 2,444,985, July 13.
- Funk, Charles E., Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Purification of guanidine nitrate. 2,454,644, Nov. 23.
- Funk Forging Company, assignee: *See*—
Powers, James T., Jr.
- Funk, Frank F. and R. D., Ottawa, Ill. Great gun charger. 2,443,981, June 22.
- Funk, Robert D.: *See*—
Funk, Frank F. and R. D.
- Funk, Truman B., assignor, by mesne assignments, to Truck-Man, Inc., Jackson, Mich. Motorized lift truck. 2,448,176, Aug. 31.
- Funkhouser, Luther K., assignee: *See*—
Elliott, Paul C.
- Furby, Neal W., El Cerrito, assignor to California Research Corporation, San Francisco, Calif. Decolorizing petroleum hydrocarbon resins. 2,447,404, Aug. 17.
- Furer, Edward: *See*—
Shea, Robert P.
- Furkert, Ernst A., Chicago, Ill. Flame hardening apparatus. 2,457,654, Dec. 28.
- Furlong, Ralph: *See*—
Mulkey, Stanley A., and Furlong.
- Furman, Clifton A., assignee: *See*—
Wilcox, James R.
- Furman, George R., Beacon, assignor to The Texas Company, New York, N. Y. Automotive battery heating system. 2,440,369, Apr. 27.
- Furnace Engineers, Inc., assignee: *See*—
Dobrin, Harry.
- Furnas, Thomas C., Jr., Cambridge, Mass. Tripod leg. 2,442,000, May 25.
- Furness, William H., Haddonfield, assignor to American Rayon Company, Inc., Collingswood, N. J. Method and apparatus for liquid treatment of yarn, thread, and the like. 2,453,366, Nov. 9.

- Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filaments. 2,453,839, Nov. 16.
- Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,456,120, Dec. 14.
- Furse, Oliver L., Overton, Tex., assignor to Standard Oil Development Company. Subsurface choke. 2,440,506, Apr. 27.
- Furst, Albert J., Newark, and J. J. Aakjer and P. M. Dickerson, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic device having a metal collar and discal ring supporting an electrode from a resonator. 2,454,313, Nov. 23.
- Furter, Max F., Upper Montclair, and M. Hoffer, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Riboflavin solution. 2,438,880, Mar. 30.
- Fuschi, Antonio, New York, N. Y. Symphonic instrument. 2,452,743, Nov. 2.
- Fusco, Anthony J., Belleville, N. J., and J. L. Bleiweis, New York, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Electrochemical salvaging method. 2,435,714, Feb. 10.
- Fuston, Leon L., Oak Park, Ill. Toothbrush. 2,445,571, July 20.
- Fyffe, Everett: *See*—
Reynolds, Theron E., and Fyffe.
- Fyke, Frank C.: *See*—
Tarr, Allan L., Oxley, and Fyke.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Radio detecting and range finding systems. 2,435,960, Feb. 17.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Height computing apparatus. 2,444,770, July 6.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Height computing apparatus. 2,444,771, July 6.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Synchronized pulse communication system. 2,446,819, Aug. 10.
- G. B. & S. Mill, Inc., assignee: *See*—
Gates, Wearing D.
- G. and H. Hosiery Company, Inc., assignee: *See*—
Grove, Cornelius S., Sr., Pittman, and McKinney.
- G. M. S. Corporation, assignee: *See*—
Morton, William A., and Sloan.
- Gabar, Harry W., and L. Horowitz, Arlington, Va. Fire-place flue system. 2,447,405, Aug. 17.
- Gabbert, Ferdinand A., Minneapolis, Minn., assignor, by mesne assignments, to W. E. Johnston. Hearing aid. 2,445,425, July 20.
- Gabbey, Eric G. D., Edgware, England. Gauge for measuring or checking the effective diameters of screw threads. 2,443,820, June 22.
- Gabel, John, Chicago, Ill. Supporting device. 2,448,304, Aug. 31.
- Gable, Paul T., Harrisburg, and W. C. Weiss, Penbrook, Pa. Air tight mail slot. 2,437,319, Mar. 9.
- Gabor, Dennis, Rugby, England, assignor to General Electric Company. Electron optical system. 2,452,919, Nov. 2.
- Gabriel, Adam, River Forest, assignor, by mesne assignments, to Acme Industrial Hydraulics, Inc., Chicago, Ill. Pressure fluid follow-up servomotor. 2,438,316, Mar. 23.
- Gabriel, Adam, River Forest, assignor, by mesne assignments, to Acme Industrial Hydraulics, Inc., Chicago, Ill. Servo actuator. 2,438,317, Mar. 23.
- Gabriel, Christopher K., Portland, Ore. Retractable vehicle step. 2,436,961, Mar. 2.
- Gabriel Company, The, assignee: *See*—
Finneburgh, Lewis H., Jr., and Finke.
- Gabriel Steel Company, assignee: *See*—
Zabriskie, William F., and Post.
- Gabrielsen, Christian, assignor to The Rowe Manufacturing Co., Inc., Whippany, N. J. Changeable key cylinder lock. 2,453,066, Nov. 2.
- Gabrielsen, Christian, Mountain Lakes, N. J., and J. Nisenon, New York, N. Y., assignors to Rowe Manufacturing Co., Inc., New York, N. Y. Coin selector. 2,442,890, June 8.
- Gadd, Ernest R.: *See*—
Betteridge, Walter, and Gadd.
- Gaddini, Norman E., Winters, Calif. Machine for distributing fruit in rows on drying trays. 2,437,950, Mar. 16.
- Gadwa, Truman A., Mount Vernon, assignor to The Lummus Company, New York, N. Y. Styrene distillation. 2,457,361, Dec. 23.
- Gaenssle, Paul W.: *See*—
Eksbergian, Carolus L., and Gaenssle.
- Gaenssle, Paul W., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Cushioned disk brake shoe assembly. 2,451,329, Oct. 12.
- Gaenssle, Paul W., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,447,244, Aug. 17.
- Gaffney, Joseph B., Hokendauqua, assignor to Fuller Company, Borough of Catasauqua, Pa. Cooling means for rotary kiln nose rings. 2,434,845, Jan. 20.
- Gage, Gordon, and D. Hughes, Butler, Pa., assignors to The American Rolling Mill Company, Middletown, Ohio. Rolling of thin gauged material. 2,434,553, Jan. 13.
- Gage, Nellie M., Dayton, Ohio. Mop stand. 2,441,697, May 18.
- Gagen, Charles V., assignor to Bendix Aviation Corporation, South Bend, Ind. Control valve. 2,452,647, Nov. 2.
- Gagliano, Louis J.: *See*—
Davidson, Harry S., and Gagliano.
- Gagnebin, Albert P., Red Bank, N. J., L. L. Seigle, Philadelphia, Pa., and J. S. Vanick, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Alloys for making cast iron. 2,455,751, Dec. 7.
- Gagnepain, Gaston: *See*—
Bassani, Laurent, and Gagnepain.
- Gagnier, George E., Detroit, Mich. Self-supporting resilient article. 2,455,669, Dec. 7.
- Gagnon, Jules, Verdun, Quebec, Canada. Combined lock and key. 2,438,435, Mar. 23.
- Gahagan, Orren M., Dallas, Tex. Cathed. 2,449,376, Sept. 14.
- Gahagan, Orren M., Dallas, Tex. Automatic cathed. 2,452,451, Oct. 26.
- Gahl, William E.: *See*—
Jakoubek, Frank J., and Gahl.
- Galley, Florence L., Los Angeles, Calif. Stocking heel protector. 2,438,280, Mar. 23.
- Galmari, Angelo I., Chicago, Ill. Nursing bottle. 2,446,917, Aug. 10.
- Gainer, Joseph B., Washington, D. C. Band-pass transformer. 2,452,560, Nov. 2.
- Gaines, Charles, Vallejo, Calif. Swiveling reciprocating-saw sawing machine. 2,453,899, Nov. 16.
- Gaines, John M., Jr., Buffalo, N. Y., assignor to The Linde Air Products Company. Thermally working mineral and like masses. 2,436,001, Feb. 17.
- Gaines, Walter S.: *See*—
Meyers, Ellwood H., and Gaines.
- Gainsley, Sheldon H., Minneapolis, Minn. Jig-saw puzzle and rack therefor. 2,448,667, Sept. 7.
- Gair, Robert, Company, Inc., assignee: *See*—
Benoit, Leon.
- Blackwell, Preston J.
- Gaiser, Romey A., and P. T. Mattimoe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Silvering surfaces. 2,439,654, Apr. 13.
- Gaither, Herbert C., Detroit, Mich. Elevator shoe. 2,435,742, Feb. 10.
- Galandak, John, and E. A. Kamp, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc. Liquid treatment tank with concentric compartments and with conduits below an inner bottom portion. 2,436,749, Feb. 24.
- Galanty, Harold E.: *See*—
Watson, Gavin, Bruns, and Galanty.
- Galatioto, Luigi C., Providence, R. I., assignor to Textron, Incorporated, New York, N. Y. Recovering spent dye liquors by treatment with activated carbon and product thereof. 2,445,323, July 20.
- Galbrecht, Frank I.: *See*—
Sabel, Edward R., and Galbrecht.
- Gale, Frederick H.: *See*—
Cork, Edward C., Bowman-Manifold, Gale, and Blythen.
- Gale, Harold W., assignor to Hexagon Tool and Engineering Corporation, Dearborn, Mich. Manually controlled tracer. 2,437,190, Mar. 2.
- Gales, Robert S.: *See*—
Watson, Norman A., Veneklasen, Leonard, and Gales.
- Galewski, George F., Los Angeles, assignor of one-third to K. B. Niles, Venice, and one-third to H. D. Russell, Los Angeles, Calif. Homogenizing unit. 2,435,884, Feb. 10.
- Galion Metallic Vault Company, The, assignee: *See*—
Ekin, Hursel L., and Young.
- Galitzenstein, Eugen G., and C. Woolf, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of alkyl chlorides. 2,454,645, Nov. 23.
- Gall, James E., Washington, D. C. Support for multi-conductor electrical cables. 2,434,918, Jan. 27.
- Gall, James E., Washington, D. C. Cathode-ray tube mount. 2,440,260, Apr. 27.
- Gallagher, Charles E., Doylestown, Pa. Automatic braking system for aircrafts. 2,444,927, July 13.
- Gallagher, Dudley M., and L. A. Gillette, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of water-insoluble salts of alkyl dithiocarbamic acids. 2,443,160, June 8.
- Gallagher, John L., United States Army, Santa Ana, Calif. First-aid pressure dressing. 2,453,705, Nov. 16.
- Gallagher, Mabel H., Chicago, Ill. Jointed structure. 2,438,391, Mar. 23.
- Gallagher, Paul C., Omaha, Nebr. Shopping perambulator. 2,443,236, June 15.
- Gallagher, Thomas F., Chicago, Ill., assignor to Research Corporation, New York, N. Y. Production of 3, 11-oxygenated steroids. 2,447,325, Aug. 17.
- Gallagher, William M., Oklahoma City, Okla. Nutcracker with an adjustable sliding jaw. 2,454,601, Nov. 23.
- Gallaher, Andrew J., St. Louis, Mo. Boiler of tubular-section type. 2,454,866, Nov. 30.
- Gallai-Hatchard, Marcel, Cheam, England. Production of porous slags or other smelts. 2,443,103, June 8.

- Galley, Charles E., Chicago, Ill., assignor to Luxene Inc. Apparatus for molding dentures. 2,442,847, June 8.
- Galley, John H., Los Angeles, Calif., and L. J. Carey, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Reciprocating expandable chamber windshield wiper motor with shaft operated snap action distributing valve plungers. 2,450,653, Oct. 5.
- Galliano, John B., assignor to Industrial Ideas, Inc., Oakland, Calif. Pot handle. 2,450,193, Sept. 28.
- Gallichio, Paul, and F. Ferrari, New York, N. Y. Broiler. 2,456,397, Dec. 14.
- Gallmeyer & Livingston Company, assignee: *See*—Bunker, Vincent W.
- Galloway, Arthur L., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Fumigating package. 2,449,695, Sept. 21.
- Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Mold for the manufacture of storage batteries. 2,454,051, Nov. 16.
- Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Storage battery plate assembly. 2,454,052, Nov. 16.
- Galloway, Charles D., Wyndmoor, Pa., assignor to The Electric Storage Battery Company. Process for the manufacture of storage batteries. 2,454,053, Nov. 16.
- Galloway, Clarence T., Pittsford, assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 2,448,426, Aug. 31.
- Gallowhur Chemical Corporation, assignee: *See*—Andersen, Carl N.
- Gallt, Seymour B.: *See*—Williams, Morris F., and Gallt.
- Galper, Isa, assignor to Bee Bee Shoe Co., Manchester N. H. Platform cover turning device. 2,454,441, Nov. 23.
- Galusha, Albert L., Caldwell, N. J. Gas producer. 2,440,940, May 4.
- Galuska, Stanley, Chicago, Ill. Window sash construction. 2,439,726, Apr. 13.
- Galvier, Gaston M.: *See*—Devalay, Cesar, and Galvier.
- Galvin, George B., Springfield, Ohio. Steel wool machine. 2,437,424, Mar. 9.
- Gamache, Armand R., Springfield, Mass., assignor to United States Rubber Company, New York, N. Y. Hydraulic gun. 2,439,566, Apr. 13.
- Gambino, Nate, and N. La Rosa, Modesto, Calif. Meat scraper. 2,437,316, Mar. 9.
- Gamble Brothers, assignee: *See*—Dosker, Cornelius D.
- Gamble, David E., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch plate. 2,448,879, Sept. 7.
- Gamble, David E., Tucson, Ariz., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch plate. 2,448,880, Sept. 7.
- Gamble, David L., H. M. Cyr, and C. W. Siller, Palmerton, and G. W. Bisbing, Lehighton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Producing carbon disulfide. 2,443,383, June 15.
- Gamble, Morgan F.: *See*—West, Willis Z., Jr., and Gamble.
- Gamble, Ralph M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Chuck for automatic machine tools. 2,451,210, Oct. 12.
- Gamble, Ralph M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Machine tool. 2,454,916, Nov. 30.
- Gamblin, Fay B., Smithers, British Columbia, Canada. Hot-air heater with selective indirect draft. 2,439,972, Apr. 20.
- Gambrill, Richard D., and C. E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electric cables. 2,446,820, Aug. 10.
- Gamel, Gayne D., Verona, and W. S. Hawkins, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,445,426, July 20.
- Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticizers for polyvinyl acetal resins. 2,455,301, Nov. 30.
- Ganson, Bernard W., Chicago, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Production of carbon bisulfide. 2,447,003, Aug. 17.
- Ganson, Bernard W., Chicago, assignor to Great Lakes Carbon Corp., Morton Grove, Ill. Sulfo-compositions and their manufacture. 2,447,004, Aug. 17.
- Ganson, Bernard W., Chicago, assignor to Great Lakes Carbon Corp., Morton Grove, Ill. Method and apparatus for producing sulfo-compositions. 2,447,005, Aug. 17.
- Ganson, Bernard W., Chicago, assignor to Great Lakes Carbon Corp., Morton Grove, Ill. Production of sulfo-compositions. 2,447,006, Aug. 17.
- Ganger, Jesse R.: *See*—Christian, Raymond A., Ganger, and Paden.
- Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sadgebury.
- Ganger, Karl M., and J. B. Burrowes, assignors to The Lau Blower Company, Dayton, Ohio. Ventilating device. 2,453,009, Nov. 2.
- Gangloff, Wilmer C., assignor to the Drackett Company, Cincinnati, Ohio. Drain trap cleaning device. 2,452,367, Oct. 26.
- Gannett, Joseph K., Montclair, N. J., R. Smith, Jr., Richmond Heights, and B. W. Saveland, Cleveland Heights, assignors to The Austin Company, Cleveland, Ohio. Broadcasting studio. 2,451,283, Oct. 12.
- Gano, Joseph J., Worcester, and L. W. Richardson, Cherry Valley, Mass., assignors to Controls Laboratories, Inc. Cutting machine for plastic material. 2,451,027, Oct. 12.
- Ganter, Francis X., Los Angeles, Calif. Window drape rod hanging means. Re. 22,989, Mar. 23.
- Gantner, John O., Jr., San Francisco, Calif. Swimming suit. 2,450,085, Sept. 28.
- Gantt, Jacob P., Rock Hill, S. C. Pivoted jaw plier wrench with slotted fulcrum guide. 2,455,480, July 20.
- Gantt, Richard R., San Antonio, Tex. Ventilated shoe. 2,441,879, May 18.
- Ganuchau, James J., assignor to Southern Shell Fish Company, Inc., New Orleans, La. Preserving tinned crustacean meat. 2,448,970, Sept. 7.
- Ganz, Albert G., New York, and A. D. Hasley, New Rochelle, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,448,364, Aug. 31.
- Ganz, Henry, Ridgefield Park, assignor to The Personal Products Corporation, New Brunswick, N. J. Manufacture of absorbent tampons. 2,455,925, Dec. 14.
- Gapen, Clarence A. and L. Morgantown, W. Va. Antiskid rubber tire. 2,434,207, Jan. 6.
- Gapen, Lonnie: *See*—Gapen, Clarence A. and L.
- Garand, John C., Springfield, Mass. Combination rear sight and ejector for firearms. 2,444,038, June 29.
- Garand, John C., Springfield, Mass., assignor to United States of America, as represented by the Secretary of War. Telescope mount. 2,449,551, Sept. 21.
- Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Grenade launcher. 2,455,361, Dec. 7.
- Garbell, Maurice A., assignor to Maurice A. Garbell, Inc., San Francisco, Calif. Fluid-foil lifting surface. 2,441,758, May 18.
- Garbell, Maurice A., Inc., assignee: *See*—Garbell, Maurice A.
- Garbo, Paul W., Freeport, N. Y. Catalytic production of amides. 2,453,706, Nov. 16.
- Garbuny, Max, and W. E. Pakala, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead-in bushing for vapor electric devices. 2,438,004, Mar. 16.
- Garbuny, Max, and R. E. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,451,938, Oct. 19.
- Garbutt, Rose M., San Diego, Calif. Garment supporter. 2,445,349, July 20.
- Garceau, Fred T., Negaunee, Mich. Mechanically operated bell. 2,443,559, June 15.
- Garcia, Anthony, New York, N. Y. Disappearing automobile window screen. 2,434,559, Jan. 13.
- Garcia, José D., Buenos Aires, Argentina. Resilient wheel for vehicles. 2,435,625, Feb. 10.
- Gard, Robert A., Charlton City, Mass. Mule spinning device. 2,442,724, June 1.
- Gard, Robert A., Charlton City, Mass. Mule spinning device. 2,442,725, June 1.
- Gardais, Jean: *See*—Guinot, Henri M., and Gardais.
- Garden, Henry B., Paoli, Pa., assignor to American Viscose Corporation, Wilmington, Del. Beaming apparatus. 2,446,580, Aug. 10.
- Garden City Plating & Manufacturing Co., assignee: *See*—Kurtzon, George B.
- Gardener, Harry J., Los Angeles, and W. A. Blome, South Pasadena, Calif. Art device. 2,450,127, Sept. 28.
- Gardenhour, Allen J., Waynesboro, Pa. Multiple contact jack. 2,435,136, Jan. 27.
- Gardiner, Arthur W., and W. T. Nickel, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Airplane engine and propeller pitch control. 2,435,037, Jan. 27.
- Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. High-frequency coupling device. 2,446,003, July 27.
- Gardiner, William R., and J. T. Mays, Herrin, Ill. Film developing apparatus. 2,453,900, Nov. 16.
- Gardner, Arthur A., and J. G. McCormack, assignors to Breslee Mfg. Company, New York, N. Y. Heat-sealing apparatus. 2,451,728, Oct. 19.
- Gardner, Arthur T., Kansas City, Mo. Granulating machine. 2,448,214, Aug. 31.
- Gardner, Bernard C., Fryeburg, Maine, assignor, by mesne assignments, to Farnsworth Research Corporation. Electron control tube. 2,442,848, June 8.
- Gardner, Charles E., Hollis, Long Island, N. Y., assignor to Wingfoot Corporation, Akron, Ohio. Production of thread. 2,453,984, Nov. 16.
- Gardner, Fred W., Winter Park, Fla. Lawn mower. 2,448,091, Aug. 31.
- Gardner, George D., San Jose, Calif. Spinach tumbler. 2,440,008, Apr. 20.
- Gardner, John R.: *See*—Swanson, Albert J., and Gardner.
- Gardner, John W., Richmond Hill, N. Y. Floor cleaning machine. 2,452,744, Nov. 2.

- Gardner, Lowell C., North Miami, Fla. Register device. 2,444,224, June 29.
- Gardner-Richardson Company, The, assignee: *See*—
Ringle, William A.
Ringle, William A., Sooy, and Von Sydow.
- Gardner, Royal C.: *See*—
Loudenslager, Oscar W., Gardner, and Ensley.
- Gardner, Ulrick K., Montgomery, Ala. Flange facing tool. 2,451,729, Oct. 19.
- Garehime, Ervin D., assignor of one-third to W. M. Jackson and one-third to E. Young, La Porte, Ind. Airplane control system. 2,442,289, May 25.
- Garey, Calavah G.: *See*—
Kaelin, Gottfried, and Garey.
- Garey, John P., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Bobbin holder. 2,445,849, July 27.
- Garey, Sanford H., Uvalde, Tex. Axially shifting hydraulic rim and tire separating device. 2,449,289, Sept. 14.
- Garfunkle, Morris H., Newark, N. J. Support for portable fire baskets. 2,447,938, Aug. 24.
- Garibay, Mariano A., San Pedro de los Pinos, Mexico City, Mexico. Threaded electric fuse. 2,443,134, June 8.
- Garing, Jane E., Atlanta, Ga. Protection device for hair driers. 2,456,180, Dec. 14.
- Garland, Charles R., Hollywood, Calif. Piston pin holder attachable to conventional vise jaws. 2,451,727, Oct. 19.
- Garland, Elmer C., La Conner, Wash. Meat pattle molding and cutting device. 2,447,245, Aug. 17.
- Garlick, Robert C., East Longmeadow, Mass. Pick for stringed instruments. 2,449,890, Sept. 21.
- Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr.
Thorn, Frederick C., and Waples.
- Garner, Fay, Longmont, Colo. Excavating and loading apparatus. 2,438,660, Mar. 30.
- Garner, Herman H., assignee: *See*—
Russell, Kenneth F.
- Garner, Russell F.: *See*—
Weber, Victor, and Garner.
- Garnett, Edward O., Colbyn, Pretoria, Transvaal, Union of South Africa. Machine for forming curved surfaces. 2,437,596, Mar. 9.
- Garnett, Edward V.: *See*—
Garnett, Victor G., and E. V.
- Garnett, Edward V., Denver, Colo. Automobile transporting truck. 2,451,284, Oct. 12.
- Garnett, Edward V., Denver, Colo. Automobile transporting truck. 2,454,554, Nov. 23.
- Garnett, Victor G. and E. V., Denver, Colo. Dual wheel construction. 2,446,699, Aug. 10.
- Garnuch, Robert K., Houston, Tex. Internal-combustion rotary motor. 2,445,877, July 27.
- Garofalo, Domenico, Brooklyn, N. Y. Platform type shoe. 2,434,995, Jan. 27.
- Garonis, Tom A., Santa Barbara, Calif. Sanitary sink strainer. 2,457,038, Dec. 21.
- Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company, Heater. 2,445,059, July 13.
- Garrett Corporation, The, assignee: *See*—
Chapman, James E.
Rosaes, Joseph G.
Snedecor, Frank E.
- Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
Andersen, Soren K.
Burns, Bruce.
Finlay, Keith E.
Forry, James E.
Hostetter, Robert J.
Jensen, Raymond W.
Morris, Charles O.
Williamson, Garland S.
- Garrett, Elmer E., Freeport, N. Y., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,451,820, Oct. 19.
- Garrett, Elmer E., Floral Park, and W. F. Conable, Bellerose, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Rate generating mechanism. 2,446,754, Aug. 10.
- Garrett, Emil, United States Marine Corps. Firing mechanism. 2,454,790, Nov. 30.
- Garrett, Joseph W., Detroit, Mich. Bus bar bender. 2,454,867, Nov. 30.
- Garrett, Maurice C., New York, N. Y. Lipstick holder and casing. 2,441,017, May 4.
- Garrett, Richard A., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making textile fiber drafting aprons. 2,455,362, Dec. 7.
- Garrie, Jean, assignor to Societe Industrielle De Bonneterie, Troyes, France. Mechanism for the execution of the untravelable edge of the lateral sole entrance parts of stockings. 2,441,018, May 4.
- Garriott, Francis E., West Allis, assignor to Ampco Metal, Inc., Milwaukee, Wis. Arc-welding electrode. 2,440,941, May 4.
- Garrison, Allen D.: *See*—
Hayes, Everett P., and Garrison.
- Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Treatment of drilling fluids. 2,437,297, Mar. 9.
- Garrison, John R.: *See*—
Garrison, Ralph P. and J. R.
- Garrison, John W., Oceanside, Calif. Hot line jumper stick. 2,438,746, Mar. 30.
- Garrison Machine Works, Inc., assignee: *See*—
Garrison, Ralph P. and J. R.
- Garrison, Ralph P. and J. R., assignors to Garrison Machine Works, Inc., Dayton, Ohio. Bearing temperature control system. 2,452,046, Oct. 26.
- Garrity, Philip A., Oak Park, Ill., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Detachable electrode assembly for primary cells. 2,441,481, May 11.
- Garros, Michael, assignor of 50% to E. F. Widin, Garwood, N. J. Window frame and sash. 2,452,119, Oct. 26.
- Garside, John I., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,455,004, Nov. 30.
- Garson, Ruth U., Montreal, Quebec, Canada. Woman's garment. 2,442,803, June 8.
- Gartin, Elmer G., Claremont, N. H., assignor to Joy Manufacturing Company. Bearing structure. 2,447,852, Aug. 24.
- Gartz, William J., assignor to Crane Co., Chicago, Ill. Valve. 2,444,401, June 29.
- Garvelink, Henry: *See*—
Gerulis, Benedict R., and Garvelink.
- Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Chlorinated rubber cements. 2,443,673, June 22.
- Garvin, John S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controlling switch. 2,442,766, June 8.
- Gary, Charles B.: *See*—
Clausing, George, and Gary.
- Gary, Wright W., assignor to Filtrrol Corporation, Los Angeles, Calif. Promoted acid treated clay catalyst and preparation thereof. 2,440,743, May 4.
- Gary, Wright W., assignor to Filtrrol Corporation, Los Angeles, Calif. Purification of sludge acid and activation of clays. 2,446,273, Aug. 3.
- Gary, Wright W., Los Angeles, and R. B. Secor, South Gate, assignors to Filtrrol Corporation, Los Angeles, Calif. Ammoniated acid activated montmorillonite catalyst and preparation thereof. 2,449,891, Sept. 21.
- Gash, Abram D., Jr., Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Coupling device for use in toy railroads. 2,449,466, Sept. 14.
- Gash, Charles B., Oak Park, Ill. Box having a drawer and a cover and interconnected latching and locking means thereof. 2,440,541, Apr. 27.
- Gasio, James, Los Angeles, Calif. Practical paper perforator. 2,436,801, Mar. 2.
- Gasoteria Corporation, assignee: *See*—
Kush, Leo E.
- Gassel, William, Philadelphia, Pa., and H. Gritz, Inka, Miss., assignors to Philco Corporation, Philadelphia, Pa. Resistance-capacitance tuned oscillator. 2,446,821, Aug. 10.
- Gast, Frank J.: *See*—
Chizek, Joseph, and Gast.
- Gate City Sash and Door Company, assignee: *See*—
Jones, Earl P.
- Gates, Cecil B., assignee: *See*—
Bouffard, Joseph A., and Greemen.
- Gates, Charles E., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Valve mechanism. 2,451,162, Oct. 12.
- Gates, Charles W., and W. P. Woods, Elmira, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Recovery of fluosulfonic acid and use as condensing agent in production of D. D. T. 2,447,326, Aug. 17.
- Gates, Charles W., and C. R. Howey, Elmira, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Purification of phenothiazine. 2,451,082, Oct. 12.
- Gates, D. Wearing, Seattle, assignor to G. B. & S. Mill, Inc., Yakima, Wash. Drum grinding mill with discharge openings in the liner. 2,456,266, Dec. 14.
- Gates, Frederic P., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Electric range switch. 2,454,646, Nov. 23.
- Gates, Geoffrey R. G., London, England, assignor to Bendix Aviation Corporation, Chicago, Ill. Servo brake mechanism. Re. 22,965, Jan. 20.
- Gates, George W.: *See*—
Swisher, Robert E., and Gates.
- Gates, Jesse A., Royal Oak, Mich. Spring winder. 2,446,755, Aug. 10.
- Gates, Marshall D., Jr., Arlington, Va. Condensation products of quinnones with active ethylene compounds. 2,437,087, Mar. 2.
- Gates, Richard L.: *See*—
Curtis, Russell R., and Gates.
- Gates, Robert M., Scarsdale, assignor to The Air Preheater Corporation, New York, N. Y. Plate arrangement for preheaters. 2,438,851, Mar. 30.
- Gates Rubber Company, assignee: *See*—
Kennedy, Grosvenor A., and Moore.
Mitchell, Lee W.
Mueller, William M., and Heckethorn.
Nassimbene, Ernest.
Steinke, Theodore W.

- Gates, William O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control circuits for alternating current motors. 2,442,406, June 1.
- Gattuccio, Salvatore, and L. G. Cerruti, San Jose, Calif. Bottle cap. 2,450,949, Oct. 12.
- Gätzi, Karl: *See*—
Martin, Henry, Gätzi, and Margot.
- Gaubatz, Arthur W.: *See*—
Dolza, John, Croissant, Gaubatz, and Perish.
- Gaubert, Rene J., assignor to Simplex Wrapping Machine Co., Oakland, Calif. Label or liner applying machine. 2,439,361, Apr. 6.
- Gaucher, Leon P., Mount Vernon, assignor to The Texas Company, New York, N. Y. Catalytic synthesis of hydrocarbons and the like from hydrogen and the oxides of carbon. 2,436,962, Mar. 2.
- Gaudenzi, Arthur, Wettingen, and O. Schärli, Baden, assignors to Patenhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Transmitting tube. 2,443,237, June 15.
- Gaudet, Edgar E.: *See*—
Wood, Winchester R., and Gaudet.
- Gauge, Pitter, assignee, et al.: *See*—
Glover, Leonard E.
- Gaugler, Lloyd P., Elysburg, Pa. Safety device for firearms. 2,455,990, Dec. 14.
- Gaugler, Richard S., Dayton, and H. W. Guenther, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Aeroplane propeller having an ice preventing coating. 2,434,208, Jan. 6.
- Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Capillary heat transfer device for refrigerating apparatus. 2,448,261, Aug. 31.
- Gaul, Blair H., assignor to Toledo Scale Company, Toledo, Ohio. Connecting means. 2,439,510, Apr. 13.
- Gause, Marvin B., Yakima, and E. O. Burling, Vancouver, Wash., assignors to California Packing Corporation, San Francisco, Calif. Photoelectrically controlled apparatus for grading pears according to length. 2,433,946, Jan. 6.
- Gauss, Eugene S., assignee: *See*—
Kenyon, Sidney C.
- Gauss, Lawrence A., assignee: *See*—
Kenyon, Sidney C.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making cores of magnetic material for electromagnet coils. 2,434,692, Jan. 20.
- Gautier, Trevor R., and R. W. Hoyt, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesive strip server. 2,434,996, Jan. 27.
- Gautney, Roy T.: *See*—
Binash, Albert H., Tull, and Gautney.
- Gauvreau, Alphonse P., East Cleveland, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Overload relay having an instantaneous primary movement and a delayed secondary movement. 2,445,110, July 13.
- Gaver Tank & Mfg. Co., Inc., assignee: *See*—
Kamp, Ewald A.
- Gavin, Edward M.: *See*—
Grey, Ralph E., and Gavin.
- Gavin, Malcolm R., Wembley, and V. A. Heathcote, Fulham, London, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Variable-frequency oscillator system. 2,448,177, Aug. 31.
- Gavriles, Pete, Laurel, Md. Bottle cap. 2,449,290, Sept. 14.
- Gay, Alphonse, assignor to Societe Mediterrannee De L'Energie Marine, Grenoble, France. System utilizing the energy of the waves. 2,441,759, May 18.
- Gay, Frazer W., Metuchen, N. J. Storing fluids for power generation. 2,433,896, Jan. 6.
- Gay, Jacob D., Jr.: *See*—
Bell, Harry G., and Gay.
- Gay, Paul S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Recording apparatus volume level indicator. 2,449,291, Sept. 14.
- Gay, Walter A., Jr., assignee: *See*—
Hare, Willis G., and Roebuck.
- Gaydos, Stephen, Jr., Gary, Ind. Tape cutting attachment for spools. 2,436,166, Feb. 17.
- Gaye, Felix, Broadmoor, near Dorking, England. Winch and the like. 2,452,297, Oct. 26.
- Gaylor, Peter J., Union, N. J. Purification of sirups by solvent extraction. 2,442,804, June 8.
- Gaylor, Peter J., Union County, N. J. Continuous process for making solid polymer. 2,450,547, Oct. 5.
- Gaylord Container Corporation, assignee: *See*—
Blackman, Smith A.
Fallert, Clifford D., and Meinhardt.
Meinhardt, John W.
Rosenberg, Leon J.
Rushing, Fred L.
Williams, Benjamin M.
- Gaylord Products, Incorporated, assignee: *See*—
Norin, Allan A.
- Gaynor, Edwin G., Fairfield, Conn. Socket for fluorescent lamps. 2,447,801, Aug. 24.
- Gayring, Wallace F., Minoa, assignor to G. A. Braum, Inc., Syracuse, N. Y. Machine for drying and finishing dry-cleaned garments. 2,443,069, June 8.
- Gazda, Antoine, Providence, R. I. Cleaner and humidifier for carburetors. 2,440,580, Apr. 27.
- Gazda, Antoine, Providence, R. I. Handle bar. 2,456,267, Dec. 14.
- Gburski, Leonard J., Fort Wayne, Ind., assignor to General Electric Company. Voltage stabilizing transformer. 2,434,493, Jan. 13.
- Gear Grinding Machine Company, The, assignee: *See*—
Brady, Samuel G., and King.
Dickieson, Robert W.
Gruenberg, Ivor J.
Gruenberg, Ivor J., and Brady.
- Gearhart, Carl E., Wilmington, Del. Micrometer depth gauge. 2,445,060, July 13.
- Gearhart, William M.: *See*—
Meyer, Lester W. A., and Gearhart.
- Gebauer, Adam H., Short Hills, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Oil-wax separator. 2,439,463, Apr. 13.
- Gebauer, Adam H., Short Hills, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Regulating apparatus. 2,444,563, July 6.
- Gebauer, Charles L., assignor to The Gebauer Chemical Company, Cleveland, Ohio. Lubricating composition. 2,449,114, Sept. 14.
- Gebauer Chemical Company, The, assignee: *See*—
Gebauer, Charles L.
- Gebhart, Arthur I., Union City, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of aluminum salts. 2,447,064, Aug. 17.
- Gebhardt, William C., San Antonio, Tex. Holder for paint buckets and the like. 2,444,986, July 13.
- Geddes, George A., Minneapolis, Minn. Brake and clutch mechanism for transmissions. 2,454,917, Nov. 30.
- Geddes, George A., Minneapolis, Minn. Spinning top. 2,454,918, Nov. 30.
- Geddes, John W.: *See*—
Ferguson, William H., and Geddes.
- Geddes, Walter H., and P. W. Schanke, assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil temperature regulator. 2,449,696, Sept. 21.
- Gee, Norman E., Narberth, Pa. Sanding device for railway rolling stock. 2,437,384, Mar. 9.
- Gee, William P., Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y. Fractional separation of fatty oil substances. 2,450,235, Sept. 28.
- Geers, John B.: *See*—
Carey, Edward J., and Geers.
Randall, Harold O., and Geers, and More.
- Geertsema, Kenneth B., Valley Stream, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Long-shaft stud driver. 2,435,137, Jan. 27.
- Geertsema, Kenneth B., Valley Stream, N. Y., assignor to Heli-Coil Corporation. Insert coil setting tool. 2,453,840, Nov. 16.
- Geffner, Joseph, Weirton, W. Va., and E. R. Millen, McCandless Township, Allegheny County, Pa., assignors to Fisher Scientific Company, Pittsburgh, Pa. Electronic apparatus for spectrographic analysis. 2,446,874, Aug. 10.
- Geh, Ernest, Rocky River, Ohio. Bottle opener. 2,455,752, Dec. 7.
- Gehrenbeck, Gilbert B., White Bear Lake, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Soluble and infusible synthetic resins and producing the same. 2,456,629, Dec. 21.
- Geier, Conrad W., Robbins, assignor to R. E. L. Holt, Jr., Greensboro, N. C. Doffing and donning apparatus. 2,446,416, Aug. 3.
- Geiger, Aaron, Brooklyn, N. Y. Cigar or cigarette lighter. 2,456,694, Dec. 21.
- Geiger, Carl J., New York, N. Y. Buffing or polishing machine. 2,442,744, June 1.
- Geiger, George M., and W. Ernst, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Pintle porting. 2,437,089, Mar. 2.
- Geiger, George M., and H. A. Donnerwirth, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Pressure cylinder. 2,443,312, June 15.
- Geiger, John F., Buffalo, N. Y. Cargo tie down. 2,449,600, Sept. 21.
- Geiger, John P., assignee: *See*—
Smith, Merton J.
- Geiger, Lyle M., Edgewood, and D. L. Marsh, Avalon, assignors to The Neville Company, Neville Island, Pittsburgh, Pa. Water dispersible phenothiazine and producing same. 2,455,054, Nov. 30.
- Geigy, A. G., J. R., assignee: *See*—
Hirt, Rudolf, Gysin, and Martin.
- Geigy, J. R., A.-G., assignee: *See*—
Babey, Charles, and Goodall.
Conzetti, Achille.
Grün, Adolf.
Krebs, Adolf, and Kuster.
Martin, Henry, and Gysin.
Martin, Henry G., and Zaeslin, and Margot.
Martin, Henry, Gätzi, and Margot.
Trebooux, Jules and Bellvilá.

- Geigy, J. R., A. G., assignee: *See*—
 Babey, Charles T., and Stocker.
 Biedermann, Robert.
 Bindler, Jakob.
 Grun, Adolf.
 Jenny, Alfred, and Pedolin.
 Krebsner, Adolf, and Bossard.
 Martin, Henry, and Häfiker.
 Martin, Henry, Gysin, Neracher, and Hirt.
 Schetty, Guido.
- Geilear, George W., Brockton, Mass. Arch-supporting insole. 2,435,776, Feb. 10.
- Geimer, William J., assignor to Bemis Bros. Bag Company, Minneapolis, Minn. Waterproof bag. 2,435,743, Feb. 10.
- Geiselman, Ralph A., and William H. Cuttino, Wilkinsburg, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Automatic switching system. 2,451,939, Oct. 19.
- Gelisse, John H., Madison, Wis. Roadable airplane with folding and detachable wings. 2,434,068, Jan. 6.
- Geissler, Carl G., Alameda, Calif. Medical divider. 2,448,708, Sept. 7.
- Geist, Sidney R., Sr., New York, and N. R. Davis, assignors to Gemloid Corporation, Elmhurst, Long Island, N. Y. Tube forming apparatus. 2,438,498, Mar. 30.
- Gelco Development Corporation, assignee: *See*—
 Gelpke, Karl A.
- Geldhof, Peter E., and L. Ringer, assignors to Nineteen Hundred Corporation, St. Joseph, Mich. Fluid handling system for automatic cleansing apparatus. 2,444,645, July 6.
- Geller, Max, Brooklyn, N. Y. Jointed mannequin doll. 2,448,668, Sept. 7.
- Gellman Manufacturing Company, assignee: *See*—
 Andersen, Carl N.
 Petskeyes, Charles H.
- Gelpke, Karl A., Edgefield, S. C., assignor to Gelco Development Corporation, Canton, Mass. Shuttle. 2,436,356, Feb. 17.
- Geltz, Harold G., assignee, et al.: *See*—
 Whittall, Henry C.
- Gelzer, John R., assignor to Eltron, Inc., Jackson, Mich. Voltage multiplying vibrator apparatus. 2,449,214, Sept. 14.
- Gemberling, Cameron H., South Bend, Ind., assignor to The Oliver Corporation. Tractor-drawn disc plow. 2,440,581, Apr. 27.
- Gem Crib and Cradle Company, assignee: *See*—
 Landry, Henry J., and Bockus.
- Gem-Dandy, Inc., assignee: *See*—
 Mason, George C.
- Gemloid Corporation, assignee: *See*—
 Geist, Sidney R., Sr., and Davis.
- Gemmell, Gordon R., Portland, Oreg. Mixing valve. 2,450,128, Sept. 28.
- Gendusa, Michel J., New Orleans, La. Doughnut glazing machine. 2,451,940, Oct. 19.
- General Air Conditioning Corporation, assignee: *See*—
 Kercheval, James E.
- General American Transportation Corporation, assignee: *See*—
 Shanor, Edgar E.
- General Aniline & Film Corporation, assignee: *See*—
 Anish, Alfred W.
 Anish, Alfred W., and Clark.
 Bavley, Abraham.
 Bock, Walter.
 Coroniti, Samuel C.
 Dersch, Fritz, and Clark.
 Famulener, Keith, and Easton.
 Grosser, Frederick.
 Guenther, Alfred, and Morgan.
 Hanford, William E.
 Harsh, Harold C., Haff, and Kaszuba.
 Heimbach, Newton.
 Heimbach, Newton, and Clark.
 Heimbach, Newton, and Kelley.
 Huey, William G., and Drautz.
 Johnston, Robert C.
 Kaszuba, Frank J.
 Loessel, Edward H., and Risdon.
 Martin, Willibald.
 Morgan, Jack F.
 Morrell, Herbert W., Jr.
 Mueller, Fritz W. H.
 Mueller, Fritz W. H., Bavley.
 Ney, William O.
 Orinik, Michael T.
 Prentice, Russell E.
 Renfrew, Edgar E., Jr.
 Riester, Oskar.
 Riester, Oskar, and Wilmanns.
 Saunders, David R.
 Schaefer, Arthur E.
 Slifkin, Sam C.
 Sweet, Monroe H.
 Thompson, Thomas R.
 Thunberg, Leander O.
 Trump, Frederick O.
 Tulagin, Vsevolod.
 Vogt, Curt G.
 Von Glahn, William H., and Bergstroj.
- General Aniline & Film Corporation, assignee: *See*—
 continued.
 Von Glahn, William H., and Stanley.
 Wolthuis, Enno, and Shafer.
 Zeh, Walter, Schneider, and Frölich.
- General Baking Company, assignee: *See*—
 Sauter, Joseph H., and Byrne.
- General Binding Corporation, assignee: *See*—
 Emmer, Charles B.
- General Biochemicals, Inc., assignee: *See*—
 Tabor, Joseph M., Seibert, and Frohring.
- General Cable Corporation, assignee: *See*—
 Atkinson, Ralph W.
 Smith, John H.
- General Controls Co., assignee: *See*—
 Biggle, Laurence C.
 Cunningham, Lewis L.
 Paille, Eugene.
 Ray, William A.
- General Die-Stamping Tool Company, assignee: *See*—
 Brenne, Ronald F.
- General Dry Batteries, Inc., assignee: *See*—
 Deibel, Cyril P.
 Deibel, Cyril P., Mertes, and Gray.
 Rock, Arthur F.
- General Electric Company, assignee: *See*—
 Adamson, Arthur P.
 Admiraal, Daniel J. H.
 Agnes, Maynard C.
 Alexanderson, Ernst F. W.
 Alexanderson, Ernst F. W., and Patterson.
 Alexanderson, Ernst F. W., Mittag, and Sims.
 Anderson, Cleophos E.
 Anderson, Harold W.
 Arnold, David C., Strand, and Lewis.
 Arone, Nicholas F., and Boehne.
 Atchison, Leonard W.
 Auger, Claude H.
 Ayers, Edgar H.
 Bachman, Charles H.
 Bany, Herman.
 Baranowski, Frank, Jr.
 Barnes, Norman F.
 Baumann, Frederick W.
 Bayer, Charles H.
 Bazley, Carl E.
 Bazley, Carl E., and Bangert.
 Becker, Howard I.
 Bedford, Burnice D.
 Beggs, James E.
 Belfils, Georges.
 Bellinger, Spencer L.
 Bennett, Robert M.
 Bensen, Igor B.
 Berkoff, Seymour.
 Bias, Frank J.
 Bias, Frank J., and Lord.
 Bilodeau, Wilfred J.
 Bivens, Maurice E.
 Blake, Harold D., and Winninghoff.
 Blewett, John P.
 Bloomberg, David J.
 Bluestein, Ben A.
 Boehne, Eugene W.
 Bohrer, George J.
 Boisseau, Alexander C.
 Boisseau, Alexander C., and Bold.
 Boisseau, Alexander C., and Beall.
 Boisseau, Alexander C., Beall, Frank, and Lowery.
 Bondley, Ralph J.
 Boyajian, Aram.
 Boynton, Erwin R., and Rauch.
 Brian, William S.
 Brown, Carl A., and Van Sickle.
 Bruntli, Irwin M., and Reihman.
 Buchanan, William K., and Simpson.
 Burkhard, Charles A., and Patnode.
 Bush, Ralph R.
 Butler, Henry E.
 Callinan, Thomas D.
 Camilli, Guglielmo.
 Camilli, Guglielmo, and H. F. Miller.
 Campbell, James D.
 Campbell, John H.
 Carlson, Frank E.
 Carlson, George.
 Carson, Percy A.
 Cartun, Paul O.
 Cass, William E.
 Cassidy, George E.
 Chabrol, Armand A.
 Chalberg, Harry W. A.
 Choudhury, Shafi-Uddin A., Clark, and Maggs.
 Clark, Earl W.
 Clark, Frank M.
 Clark, Frank M., and Raab.
 Clarke, Stephen C., Jr.
 Clenny, James T.
 Cobean, Richard W.
 Coggeshall, Almy D.
 Coggeshall, Almy D., and Erikson.
 Cook, Leonard W.
 Cooper, Benjamin, and Cillié.
 Cox, Ralph E.

General Electric Company, assignee: *See*—Continued.

Cress, Jay J.
 Crever, Frederick E.
 Crever, Frederick E., and Burton.
 Crowley, George C.
 D'Alelio, Gaetano F.
 D'Alelio, Gaetano F., and Underwood.
 Dalton, William.
 Darley, William G.
 Doyle, Charles D.
 Dazley, Frederick C., and Pistey.
 Deltz, Le Roy, and Johnson.
 D'Entremont, Franklin R.
 De Reamer, Frank C., and Pistey.
 De Tar, Donald R.
 Devine, George F.
 De Walt, Kenneth C.
 Dolan, Loyd M.
 Dolude, Roman J.
 Dome, Robert B.
 Downie, Emerson G.
 Dunkelberger, George F., and Schehl.
 Dunn, Cecil G.
 Dunn, George B.
 Dyrkacz, Wasil W.
 Edwards, Martin A.
 Elliott, John R.
 Elliott, John R., and Kriebble.
 Elmendorf, Duryea E.
 Emigh, Willard F.
 Farr, John W.
 Faus, Harold T.
 Favre, John A.
 Felertag, Karl M.
 Feiker, George E., Jr.
 Ferguson, Charles S., and Sellers.
 Fick, Clifford G.
 Finlayson, Frank E.
 Fisher, Alec.
 Flaws, John, Jr.
 Fleischer, Frank H.
 Flowers, Ralph G. and L. W.
 Floyd, George H., Jr.
 Flurscheim, Cedric H., and Vance.
 Fonda, Gorton R.
 Forstrom, Edward W.
 Foster, Raymond F.
 Francis, Victor J., and Nelson.
 Frank, Edward J., and Keller.
 Franklin, Raymond F.
 Frederick, Oscar C.
 Freeman, Raymond C., and Wyer.
 Froelich, Herman C.
 Froelich, Herman C., and Hersey.
 Froelich, Herman C., and Margolis.
 Fyler, George W.
 Gabor, Dennis.
 Gardiner, Paul C.
 Gburski, Leonard J.
 Gethmann, Richard B.
 Gisolf, Jacob H., Kröger, and Bakker.
 Gittings, William N.
 Godet, Sidney.
 Goldblum, Kenneth B.
 Goss, James H.
 Graff-Baker, William S.
 Graham, Ansel H.
 Graham, Douglas H.
 Greiner, Alfred.
 Greiner, Alfred and Seitz.
 Gurewitsch, Anatole M.
 Haber, Charles P.
 Hall, Chester I.
 Hallstrand, Eric A.
 Hanna, Max R.
 Harkness, Joseph R.
 Hausz, Walter.
 Hayward, Claude D.
 Hchenkamp, Theodorus.
 Herman, Clairmont J.
 Hertz, Lester M.
 Heumann, Gerhart W., and Taylor.
 Hewlett, Clarence W.
 Hickey, John S., and Teare.
 Hiehle, Michael E.
 Hinman, Donald D.
 Hoffmann, Georges.
 Holmgren, Viking R.
 Hottenroth, Frederick W., Jr.
 Hubbard, Albert B.
 Hugin, Adolph C.
 Hurd, Dallas T.
 Iden, Fred B.
 Isaac, Elmer B., and Rippl.
 Jackson, Edwin J.
 Jackson, George W.
 Janos, Alfred G.
 Jensen, Richard C.
 Johnson, Howard A.
 Johnson, Robert F.
 Johnson, Wilbert M., and Cook.
 Johnson, Wilfrid E.
 Jones, Henry F.
 Jones, Ray D.
 Jordan, John P.

General Electric Company, assignee: *See*—Continued.

Karlin, Nathan A.
 Kearsley, William K.
 Keiffer, Lawrence R.
 Keiffer, Raymond L.
 Keim, Donald B.
 Keister, James E.
 Kelling, Leroy U. C.
 Kettlewell, Eric.
 Kinman, Thomas H., and Davis.
 Kluender, Edward C.
 Koch, Arthur R.
 Kogane, León.
 Kriebble, Robert H.
 Kriebble, Robert H., and Elliott.
 Ksim, Donald B.
 Kubler, Ernest F.
 Kuyper, William W.
 Lafferty, James M.
 Lafferty, James W.
 Langmuir, Irving, and Schaefer.
 Langmuir, Robert V.
 Lemmers, Eugene.
 Levoy, Louis G., Jr.
 Lewis, Thomas X.
 Linde, Leonard J., Arone, and Spiro.
 Linke, Ernest A.
 Linville, Thomas M.
 Livingston, Orrin W.
 Livingston, Orrin W., and Moyer.
 Locke, Raymond C.
 Longfellow, Richard C.
 Lord, Harold W.
 Lum, Walter O.
 Lunberg, John E.
 Macintyre, John R.
 Malloy, Frank J.
 Marsden, James.
 Marsden, James, and Roedel.
 Martin, Harold M.
 Mason, Charles R.
 Mathes, Kenneth N.
 Matricone, Marcel.
 Maul, John A., and Lautzenheiser.
 Maxwell, Donald E.
 Maxwell, Hugh S.
 Mayer, Harry F.
 McArthur, Elmer D.
 McArthur, Elmer D., and Beggs.
 McCarty, Orin P.
 McClain, Joseph W.
 McComb, Robert D.
 McConnell, Andrew J.
 McGee, Hugh P.
 McMahan, Kenton D., and Bailey.
 Meals, Robert N.
 Melville, William S.
 Mendelsohn, Lewis I.
 Merrill, Frank W.
 Merrill, George S.
 Miller, Harry F., and Flowers.
 Moe, William W.
 Moore, John R., and Colbath.
 Moran, Don E., and Jarvis.
 Mork, Raymond P.
 Mynall, Dennis J.
 Nelson, John D., and Steenstrup.
 Nelson, Richard B.
 Newkirk, Arthur E.
 Newman, Delbert F.
 Nicodemus, Paul O.
 Noel, Edward B.
 Nordlander, Birger W.
 Norgaard, Donald E.
 Norlander, Birger W., and Cass.
 Northlander, Birger W.
 Oakley, Henry D.
 Ogden, Harold S.
 Ogle, Hugh M.
 Oppel, John A.
 Osman, Lee E.
 Paluev, Konstantin K.
 Patnode, Winton I.
 Patterson, Franklin G., and Sims.
 Paul, William E.
 Paul, William E., Tommerman, Jr., and Bold.
 Peterson, Eric O., Wright, and Heaton.
 Peterson, Harold A.
 Petersen, Julius.
 Porter, Lawrence C., and Froelich.
 Porter, Richard W., and Linowiecki.
 Powell, Alric H.
 Pritchard, Franklin H.
 Pugsley, Donald W.
 Pyle, James J.
 Rano, Simon.
 Rauch, William T.
 Reardon, Robert T.
 Reeder, Paul C.
 Reich, Philip J.
 Reifschneider, Paul J.
 Rhoads, James C.
 Rich, Theodore A.
 Rietz, George A.
 Roberts, Willard A.

General Electric Company, assignee: *See*—Continued.

Rochow, Eugene G.
 Root, Charles S.
 Rosentreter, Ernest W.
 Ross, Paul D.
 Roualt, Charles L.
 Rowe, Robert F.
 Safford, Moyer M.
 Safford, Moyer M., and Mincher.
 St. Pailey, Zoltan O.
 Scheldorf, Marvel W.
 Schmitz, Anton W.
 Schouwstra, Pieter.
 Schuck, Carl L.
 Scott, Carl F., and Carlson, and Rugg.
 Scott, William J., and Milner.
 Seaman, Joseph W.
 Seaver, John D.
 Seeley, Harold T.
 Seibel, Richard M.
 Seitz, August W.
 Sellers, Jesse E., and Davis.
 Shea, Richard F.
 Sheahan, Robert E.
 Sheppard, Raymond.
 Short, Thomas T.
 Silvester, Austin G.
 Sims, Marion W.
 Sinks, Allen T.
 Skeats, Wilfred F.
 Smith, Sidney R., Jr.
 Snell, De Witt S., and Grobel.
 Sobell, Morton.
 Sommerville, Gareth G.
 Sperow, Leon H.
 Spiro, Benjamin E.
 Spiro, Benjamin E., and Baskerville.
 Spofford, Warren A.
 Sprung, Murray M., and Burkhard.
 Stacy, John D.
 Stanworth, John E.
 Starie, George B.
 Stauffer, Lynn H.
 Stephenson, Hugh M.
 Stimson, Allen G.
 Stoeckly, Eugene E.
 Storm, Herbert F., and Hutton.
 Stratton, Jerry L.
 Sullivan, Earle C.
 Summers, Claude M.
 Taylor, Augustus H.
 Teker, John W.
 Thayer, Richard N.
 Thielemann, Rudolf H.
 Thomas, Charles A.
 Thompson, Louis W., and Crever.
 Tillman, John E.
 Timmerman, Julius W., Jr.
 Traver, Oliver C., and Walle.
 Treanor, Edward D.
 Uhlig, Herbert H.
 Umhoefer, Robert R.
 Uttal, Joseph A., and Short.
 Valentin, Andre.
 Van Amburg, Otto H., and Pistey.
 Van Hoorn, Fred G.
 Van Horn, Irving H.
 Van Liempt, Johannes A. M.
 Wahlman, Lawrence C.
 Wainwright, Joseph A.
 Walle, Ludwig S.
 Wargin, Edward F., and Harkness.
 Wargin, Edward F., Harkness, and Peroutky.
 Warner, Donald F.
 Warren, Glenn B., and Smith.
 Watts, Donald E., and Vahle.
 Weaver, Burr S.
 Webb, Donald R.
 Weeks, Walter R.
 Welch, Alfred F., and Enochs.
 Wellings, John G.
 Wellman, Albert.
 Welsh, Charles E.
 Wendt, Harry C.
 Whalley, Harry, and Shand.
 Whitman, Lawrence C.
 Wightman, Lawrence W.
 Wilcock, Donald F.
 Wilcox, Thomas W.
 Wilkinson, Kenneth J. R.
 Williams, Ernest.
 Williams, William D.
 Willis, Winfield H.
 Willits, Glenn D.
 Wilson, Wayne E.
 Winchester, Clark E., and Lathrop.
 Wood, Winchester R., and Gaudet.
 Woodson, Thomas T.
 Wright, James G. E.
 Wright, James G. E., and Oliver.
 Youngson, Donald A., and Matthews.
 Zabel, William P.
 Zelt, Elmer J.
 Zuvers, Howard E.

General Electric Company Limited, The, assignee: *See*—

Baker, William F., and Pickering.
 Espley, Dennis C.
 Espley, Dennis C., and Walter.
 Ransley, Charles E.
 Ransley, Charles E., and Williams.
 Stenning, Luis C.

General Electric X-Ray Corporation, assignee: *See*—

Atlee, Zed J.
 Files, Glenn W.

General Engineering Company, The, assignee: *See*—

Riddell, William A.

General Foods Corporation, assignee: *See*—

Barnes, Harry M.
 Elder, Lucius W., and Levenson.
 Gilbert, Harry A., Tolf, and Thayer.
 Kremers, Roland E.
 Luke, Charles E.
 Murer, Harvey K., and Mitchell.
 Nickerson, John T. R.
 Ozai-Durrani, Ataullah K.

General Industrial Diamond Co. Inc.: *See*—

Gockinga, Walter S.

General Industries Company, The, assignee: *See*—

Bender, Joseph, Jr.
 Ewing, Charles E.
 Metzner, Robert G.
 Sweighert, David V.
 Van der Woude, Fritz R.

General Mills, Inc., assignee: *See*—

Aske, Leonard E.
 Jakobsen, Jakob L.
 Salo, Paul W.
 Widen, Gunnar G., and Helgerud.
 Wittcoff, Harold.

General Motors Corporation: *See*—

Lovell, Wheeler G., Mulligan, and Lichtenwalner.
 Rady, William J.

General Motors Corporation, assignee: *See*—

Almen, John O.
 Anderson, Louis A.
 Arthur, James L.
 Beare, Charles H.
 Bell, James R., Stacy, and Dischinger.
 Berkeley, Harrison C.
 Bidwell, Joseph B., and Underwood.
 Blanchard, Werner J., and MacNeil.
 Blessing, William H.
 Braun, Adolph F.
 Brown, James V.
 Burns, John R., and Whitmore.
 Candor, Robert R.
 Carlson, Wilbur L.
 Chase, Theron P.
 Clark, Harry F.
 Cooper, Lonzo S.
 Coppock, Kenneth E., and Smith.
 Corbin, Douglas H.
 Davidson, Charles D.
 Dilworth, Richard M.
 Dolza, John, Croissant, Gaubatz, and Perish.
 Duncan, Bartow B.
 Dyer, John B.
 Ehlers, Russell W.
 Elsea, Jacob O.
 Eshbaugh, Jesse E.
 Falge, Robert N., and Mears.
 Ferris, Donald K.
 Filmer, Philip G.
 Fish, Mortimer W.
 Gardiner, Arthur W., and Nickel.
 Gaugler, Richard S.
 Gaugler, Richard S., and Guenther.
 Gould, Louis P., and Whiteside.
 Green, Harry J.
 Grinstead, Carl E., and Frawley.
 Grube, William L.
 Hahn, Rea I.
 Hardy, Vaughn H.
 Harrold, Marshall C.
 Henney, Charles F.
 Hindall, Alva L.
 Hutchinson, Philip H.
 Jorgensen, Clarence H., and Taylor.
 Kaufman, Daniel L.
 Kettering, Charles F., and Fischer.
 Kunzog, Theodore W.
 La Motte, Ralph R.
 Leland, Robert W.
 Lillquist, Torsten O.
 Liston, Max D.
 Liston, Max D., and Quinn.
 Mann, Cecil A.
 Martin, Edward J., and Sargeant.
 Martin, Edward J., and Sproull.
 McCormack, Alex A.
 McCormick, Francis H.
 McDougal, Taine G.
 Norris, Paul A.
 Pearce, George C.
 Plexico, Robert S.

- General Motors Corporation, assignee: *See*—Continued.
 Rabezzana, Hector.
 Rataiczak, Francis I.
 Reeves, Donald H.
 Riley, Frank O., and Anderson.
 Ripplingille, Edward V.
 Rossman, Edwin F.
 Rowland, Charles W.
 Sampson, Frederick W.
 Schjolin, Hans O.
 Schneider, Paul L., and Dudderar.
 Schwartz, Fred J.
 Short, Brooks H.
 Short, Brooks H., and Hartzell.
 Stevens, Clarence C.
 Storer, Richard M.
 Sullivan, Franklin S.
 Teeter, Wilford H.
 Van Degrift, Thomas C., Zmuda, and Riopelle.
 Wallace, De Loss D.
 Watt, Andrew K., and Hays.
 Werner, Calvin J.
 Wittlinger, Leonard M.
 Zeigler, Philip B.
- General Railway Signal Company, assignee: *See*—
 Barker, William M.
 Black, Harry L.
 Craig, Frank S.
 Dicke, Oscar H.
 Field, Oscar S.
 Field, Oscar S., and Wight.
 Knapp, James W., and O'Brien.
 Koenig, Emil L.
 O'Brien, John C.
 Preston, Neil D., and Hitchcock.
- General Railway Signal Company, The, assignee: *See*—
 Merkel, Joseph F.
 Taylor, Herbert.
- General Refractories Company, assignee: *See*—
 Boyd, William H.
 Heuer, Russell P.
- General Register Corporation, assignee: *See*—
 Hughes-Caley, George F.
 Webb, Christopher F.
- Weingart, Richard I. N., and Torkelson.
- General Sales Company of Cadillac, assignee: *See*—
 Greeley, Leo O.
- General Spring Corporation, assignee: *See*—
 Wood, Joseph K.
- General Steel Castings Corporation, assignee: *See*—
 Pfleger, Harry M.
 Travilla, James C., Jr., Jones, and Stein.
 Travilla, James C., Jr., and Krautheim.
- General Telephone Corporation, assignee: *See*—
 Bartelink, Everhard H. B.
- General Time Instruments Corporation: *See*—
 Denniston, Adolph L., and Martin.
- General Time Instruments Corporation, assignee: *See*—
 Amend, Adolph, Jr., and Engel.
 MacLean, John B., and Schlenker.
- General Tire & Rubber Company, The, assignee: *See*—
 Beckett, Joseph A., and Berry.
 Beward, Chalmers L.
 Breth, Walter J.
 Dodge, Howard M.
 Jahant, Charles J.
 Kraft, Herman T.
 Neher, Eldon P.
 Schwall, Chester F., Jr.
 Te Grotenhuis, Theodore A.
 Te Grotenhuis, Theodore A., and Frost.
 Te Grotenhuis, Theodore A., and Swart.
 Thiry, Leon F.
 Winkeljohn, Thomas H.
- General Tire & Rubber, The, assignee: *See*—
 Te Grotenhuis, Theodore A.
- General X-Ray Corporation, assignee: *See*—
 Atlee, Zed J.
- Gencsee Research Corporation, assignee: *See*—
 White, Chester M.
- Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum cleaner. 2,454,314, Nov. 23.
- Genter, Albert H., Mount Lebanon, Pa. Rail flange clamp. 2,444,599, July 6.
- Gentner, Edmund J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated granular resin and process of making same. 2,448,524, Sept. 7.
- Geometric Tool Company, The, assignee: *See*—
 Strickland, Royce M.
- Geophysical Research Corporation, assignee: *See*—
 Millikan, Charles V.
 Owen, John E.
- George Angus & Company Limited, assignee: *See*—
 Sowerby, George A., and Short.
- George, Edgar J., Jacksonville, Fla. Electrical cooking device. 2,448,215, Aug. 31.
- George, F. C., Machine Company, assignee: *See*—
 George, Frank C.
- George, Frank C., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla. Tamping device for block molding machines. 2,456,181, Dec. 14.
- George, Joseph J.: *See*—
 Tweedale, Ralph L., and George.
- George, Joseph J., Wyandotte, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission with flow control by-pass valve. 2,447,406, Aug. 17.
- George, Millard C., El Cerrito, Calif. Calculator. 2,445,264, July 13.
- George, Warren E.: *See*—
 Olivier, Jules A., and George.
- Georgi, Beatrice, Yonkers, N. Y. Hosiery reknitting needle. 2,446,225, Aug. 3.
- Georgian, Vlasios, Quincy, W. F. Amon, Jr., Roxbury, R. Gofstein, Haverhill, and E. H. Land, C. D. West, and R. B. Woodward, assignors to Polaroid Corporation, Cambridge, Mass. Light-polarizing suspension of oriented crystals of dibenzacridine periodide in cellulose acetate. 2,441,019, May 4.
- Gerald, Curtis F.: *See*—
 Thomas, Charles L., and Gerald.
- Gerals, Jerry, assignor to Mid-West Wire Products Company, Inc., Detroit, Mich. Basket structure. 2,440,507, Apr. 27.
- Gerard, Roy H., Oakland, Calif., and R. M. Smith, Jeanette, Pa., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Permanent fault isolator time-delay switch. 2,452,233, Oct. 26.
- Gerber, Charles A., Wayne Township, Du Page County, Ill. Apparatus for preparing dehydrated bread crumbs. 2,446,175, Aug. 3.
- Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Converter for suction cleaners. 2,450,828, Oct. 5.
- Gerber, Edward R., Chicago, Ill., assignor to International Harvester Company. Corn sheller. 2,443,031, June 8.
- Gerber, Isidor, assignee: *See*—
 Primus, Irving.
- Gerber, Paul D., Woodlynne, N. J., assignor to Radio Corporation of America. Oscillation generation control. 2,438,392, Mar. 23.
- Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Pretreatment of reaction zone containing iron oxide. 2,436,564, Feb. 24.
- Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Isomerizing paraffins. 2,447,573, Aug. 24.
- Gerbing, Willard E., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Tube capping machine. 2,455,860, Dec. 7.
- Gerdes, John C., Glendale, Calif. Bed heater. 2,452,234, Oct. 26.
- Gerecs, Árpád: *See*—
 Földi, Zoltán, Gerecs, Demjén, and König.
- Gereke, Oscar, Stockett, Mont. Dehorning paste applicator. 2,433,947, Jan. 6.
- Gerhard, Albert W., assignee, et al.: *See*—
 Hassler, John H., and Englert.
- Gerhardt, Andrew H., Skokie, and A. P. Schulz, Hinsdale, Ill., assignors to Thor Corporation. Control dial assembly. 2,438,045, Mar. 16.
- Gerhart, Howard L.: *See*—
 Lycan, William H., and Gerhart.
- Gerhart, Howard L., Milwaukee, Wis., and L. M. Adams, Corpus Christi, Tex., assignors to Pittsburgh Plate Glass Company. Preparation of an alkyd type resin. 2,436,641, Feb. 24.
- Gerhold, Clarence G.: *See*—
 Brown, Kenneth M., and Gerhold.
- Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Fractionation control apparatus. 2,456,398, Dec. 14.
- Gerhold, Clarence G., and J. E. Burgess, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,436,041, Feb. 17.
- Gerin, Fernand L., Sandusky, Ohio, assignor to The Youngstown Miller Company, Belleville, N. J. Method of and apparatus for oil purification. 2,440,680, May 4.
- Gerken, John C., Detroit, Mich. Window ventilator. 2,440,468, Apr. 27.
- Gerlach, Francis H., Wapakoneta, and J. D. Miner, Jr., Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor. 2,454,155, Nov. 16.
- Gerlach, Frank A.: *See*—
 Matthews, Albert, and Gerlach.
- Gerlach, Joseph M., Albany, Calif. Sand blasting nozzle. 2,440,334, Apr. 27.
- Gerlicher, Robert A., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Low-temperature polymer production. 2,436,767, Feb. 24.
- Germ-Ex Mask Company Limited, assignee: *See*—
 Williams, Spencer R.
- Germain, Albert J., assignor to Albert J. Germain Company, Haverhill, Mass. Shoe platform beveling machine. 2,442,490, June 1.
- Germain, Albert J., Company, assignee: *See*—
 Germain, Albert J.
- Germain, Joseph F. L. M.: *See*—
 Morrison, George O., Lossing, Heatley, and Germain.
- German, Howard M., East Orange, assignor to Driver-Harris Company, Harrison, N. J. Alloy. 2,451,547, Oct. 19.
- Germeshausen, Kenneth J.: *See*—
 Eisenstein, Albert S., and Germeshausen.

- Gerner, Anson J., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grid structure in electron discharge devices. 2,434,494, Jan. 13.
- Gerondale, John J., assignor of one-half to V. K. Stanley, Detroit, Mich. Cigaret dispenser. 2,437,464, Mar. 9.
- Gerould, Charles H., and P. C. Woodland, assignors to The Dow Chemical Company, Midland, Mich. Drying photographic prints. 2,445,572, July 20.
- Gerow, Kenneth N., Belleville, Ontario, Canada. Insulator. 2,442,165, May 25.
- Gerrits, Adrian E., and H. E. Gygi, Appleton, Wis. Abrasive tool. 2,447,327, Aug. 17.
- Gerrits, Paul H., Appleton, Wis. Golf club gripper. 2,447,328, Aug. 17.
- Gerry, Everett D., New York, N. Y. Shoulder pad construction. 2,441,482, May 11.
- Gerry, William R.: *See*—
Shakespeare, Henry G., and Gerry.
- Gersdorff, Wilbur A.: *See*—
McGovran, Edward R., and Gersdorff.
- Gerson, Fred, Elmhurst, N. Y. Sliding and swinging catch for closures. 2,442,041, May 25.
- Gerson, Irving: *See*—
Maizel, Ben, and Gerson.
- Gerson, Morris, Newark, N. J., assignor to Henry L. Kotkins, Seattle, Wash. Reinforced luggage. 2,455,861, Dec. 7.
- Gerspacher, Robert E.: *See*—
Miller, William A., and Gerspacher.
- Gerspacher, Thomas S., and F. A. Maynard, Cleveland, Ohio. Multiple outlet molding. 2,441,698, May 18.
- Gerst, Chris, Detroit, Mich. Transmission. 2,443,313, June 15.
- Gersten, Lee, New York, N. Y. Cabinet, chest, and similar article. 2,451,211, Oct. 12.
- Gertler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Fly sprays comprising an N-alkylphthalimide and DDT. 2,436,919, Mar. 2.
- Gertler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to United States of America, as represented by the Secretary of Agriculture. Fly sprays comprising an N, N-dialkylcinnamamide and DDT. 2,436,920, Mar. 2.
- Gertz, Melvin H.: *See*—
Pfennig, Reuben F., and Gertz.
- Gerulis, Benedict R., and H. Garvelink, Grand Rapids, Mich. Variable-speed motor. 2,444,821, July 6.
- Gese, Carl R., Rome, N. Y. Folding parcel carrier. 2,441,531, May 11.
- Gessler, Albert E., Scarsdale, C. J. Rolle, Yonkers, and F. J. Tuttle, assignors to Interchemical Corporation, New York, N. Y. Decorated wall covering. 2,441,961, May 25.
- Gessler, Albert E., Scarsdale, N. Y., W. F. Grupe, Lyndhurst, N. J., C. J. Rolle, Yonkers, and F. J. Tuttle, assignors to Interchemical Corporation, New York, N. Y. Automobile body structure. 2,455,926, Dec. 14.
- Getaz, James L., New York, N. Y. Method of and apparatus for separating knitted fabrics. 2,437,735, Mar. 18.
- Getaz, James L., New York, N. Y. Reverse plating of knitting fabrics. 2,444,503, July 6.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermal circuit breaker. 2,455,753, Dec. 7.
- Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Deflection coil and yoke for cathode ray tubes. 2,437,513, Mar. 9.
- Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Electromagnetic deflecting yoke and circuit. 2,443,032, June 8.
- Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Cathode-ray apparatus. 2,456,399, Dec. 14.
- Getter, Herman, Bronx, N. Y. Still picture attachment for moving picture projectors. 2,452,745, Nov. 2.
- Getz, Arnold G.: *See*—
Mayo, Edward L., and Getz.
- Getz, Charles A., Glen Ellyn, Ill., assignor to Aeration Processes, Inc., Columbus, Ohio. Aeration of butter fat-containing liquids. 2,435,682, Feb. 10.
- Getz, Joseph A., Brooklyn, N. Y. Self-serving display device. 2,443,384, June 15.
- Geweke, Walter E., assignee: *See*—
Kopp, William.
- Ge Wertz, Arthur L., Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc. Cable hanger. 2,445,481, July 20.
- Gewirtzman, Morris, assignor to The Advertisers' Service Division Incorporated, New York, N. Y. Rotating game disk. 2,435,885, Feb. 10.
- Geyh, Charles P., Hartsdale, N. Y., assignor to Bendix Aviation Corporation, Towson, Md. Radio cabinet having integral handle device. 2,446,756, Aug. 10.
- Ghiglieri, Lloyd, Oakland, Calif. Wrench for removing the backs of waterproof watches. 2,435,346, Feb. 3.
- Ghisletta, Franklin C., Patterson, Calif. Hair clip. 2,449,845, Sept. 21.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Making phosphorus- and sulfur-containing organic reaction products. 2,449,933, Sept. 21.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,449,934, Sept. 21.
- Giannini, G. M., & Co. Inc., assignee: *See*—
Giannini, Gabriel M.
- Giannini, Gabriel M., West Los Angeles, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Microphone assembly. 2,437,088, Mar. 2.
- Giannini, Gabriel M., assignor to G. M. Giannini & Co. Inc., Pasadena, Calif. Low torque toroidal resistor. 2,456,261, Dec. 14.
- Giannini, Gabriel M., West Los Angeles, and J. F. Manildi, Pasadena, Calif., assignors, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Telemetric system. 2,441,760, May 18.
- Giannopoulos, Alexander, Fresno, Calif. Irrigation pipe and constructing same. 2,456,400, Dec. 14.
- Giannuzzi, George A., Vestal, and K. J. Miller, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Making electrical units, such as commutators. 2,438,046, Mar. 16.
- Glansante, Daniel, assignor to Colonial Radio Corporation, Buffalo, N. Y. Pulse controlled selector circuit. 2,442,872, June 8.
- Giara, Emil J., Mobile, Ala. Aerial toy. 2,452,746, Nov. 2.
- Giarratano, Joseph, Babylon, N. Y. Hairdressing instrument. 2,443,729, June 22.
- Gibb, Docia I., Denver, Colo. Egg poacher. 2,454,054, Nov. 16.
- Gibbes, Ronald E., Weedon, England. Drinking appliance for birds and animals. 2,444,772, July 6.
- Gibboney, Walter L., Denver, Colo. Defrosting tunnel. 2,435,538, Feb. 3.
- Gibbons, Donald R., Belmar, and H. L. Chaney, Red Bank, N. J. Regulator circuit. 2,435,961, Feb. 17.
- Gibbons, Frank J., Worcester, Mass., deceased; H. J. Gibbons, administrator. Safety cranking means for hand wheels of machine spindles and the like. 2,447,574, Aug. 24.
- Gibbons, Harry J., administrator: *See*—
Gibbons, Frank J.
- Gibbons, James, Company, The, assignee: *See*—
Middlestadt, William F.
- Gibbons, Robert M., Jr.: *See*—
Firing, Osborne, and Gibbons.
- Gibbons, Thomas, Chicago, Ill. Hobbyhorse. 2,440,172, Apr. 20.
- Gibbons, William E., and G. Scharton, assignors to Illinois Publishing and Printing Company, Chicago, Ill. Stereotype mat drier. 2,442,407, June 1.
- Gibbs, Charles E., Middletown, Ohio. Storm door check. 2,446,004, July 27.
- Gibbs, Clifford J., Laingsburg, Mich., and J. H. Stein, Toms River, N. J., assignors to Texaco Development Corporation, New York, N. Y. Apparatus for removing random fluctuations from intensity measurements. 2,438,747, Mar. 30.
- Gibbs, Frank C., Jr., Borger, Tex., B. M. Baird, Oklahoma City, Okla., and R. J. Brosamer, U. S. Navy, assignors to Phillips Petroleum Company. Catalyst preparation. 2,456,268, Dec. 14.
- Gibbs, Harold L., Salt Lake City, Utah. Differential froth flotation of sulfide ores. 2,449,984, Sept. 28.
- Gibbs, Kelly W., and R. Hillman, Ashland, Ky. Cement block machine. 2,454,442, Nov. 23.
- Gibbs, William J., Brooklyn, N. Y. Apparatus for storing stacked articles. 2,449,892, Sept. 21.
- Gibian, Emil F., Cleveland Heights, Ohio, assignor to Thompson Products, Inc. Pressure welding machine. 2,439,246, Apr. 6.
- Gibler, John W., U. S. Army, Mattoon, Ill. Milk turning machine. 2,456,630, Dec. 21.
- Giblin, Mark A., West Allis, Wis. Self-balancing centrifuge. 2,453,367, Nov. 9.
- Gibney, Jane: *See*—
Donaldson, Eleanor, and Gibney.
- Gibson, Austin A.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
- Gibson, Donald L.: *See*—
Mueller, Erich O., and Gibson.
- Gibson, Eleanor W., Detroit, Mich. Infant's feeding bib. 2,445,850, July 27.
- Gibson, G. H., assignee: *See*—
Richbourg, James W.
- Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination process. 2,448,092, Aug. 31.
- Gibson, Jefferson C., Chicago, Ill. Oscillating mechanism for swinging members. 2,456,777, Dec. 21.
- Gibson, Ransom R., Wattsville, S. C. Bunch builder mechanism. 2,433,897, Jan. 6.
- Gibson Refrigeration Company, assignee: *See*—
Benson, Ralph L.
- Gibson Refrigerator Company, assignee: *See*—
Drake, Earl D.
- Gibson, Samuel: *See*—
Alexander, Cecil D., and Gibson.
Buchanan, Stephen N., and Gibson.

- Gibson, Sydney A.: *See*—
Argyle, Christopher S., and Gibson.
- Gibson, William A., and C. W. Mayer, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass. Removable drive shaft unit for pulverizing mills. 2,454,868, Nov. 30.
- Gibson, William C., Jr., Atlanta, Ga. Collecting empty bobbins. 2,443,855, June 22.
- Gibson, William P., Plainfield, N. J., assignor to Holdall Bag Company, Inc., New York, N. Y. Combined shopping bag and handbag. 2,450,040, Sept. 28.
- Gibson, William T., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron discharge apparatus using velocity modulated beams. 2,452,561, Nov. 2.
- Gibson, William T., assignor to Standard Telephones and Cables Limited, London, England. Vacuum tube and mounting therefor. 2,454,791, Nov. 30.
- Giem, Seth E., River Unit, assignee: *See*—
Abraham, Ralph.
- Glenger, Fred: *See*—
Wood, Frederic E., Glenger, Decker, and Sargisson.
- Gies, Harry H., assignee: *See*—
Morden, Harley W.
- Giesen, Josef H., U. S. Navy. Surgical drill. 2,430,803, Apr. 20.
- Gieskieng, Marion W. and W. A., Denver, Colo. Railway wheel checking device. 2,442,491, June 1.
- Gieskieng, William A.: *See*—
Gieskieng, Marion W. and W. A.
- Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Damped bellows. 2,434,794, Jan. 20.
- Giesler, Jean V., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Manufacture of damped bellows. 2,444,192, June 29.
- Giessen, Norman D., Lakewood, Ohio. Wedge-shaped dispensing container for powdery substances. 2,444,987, July 13.
- Giffin, Harold A., Lowell, and H. York, Dracut, Mass. Spool stripper. 2,443,002, June 8.
- Gifford, Robert A., Memphis, Tenn. Hydraulic scale mechanism. 2,457,655, Dec. 28.
- Gigas, Braeme E., executor: *See*—
Ruddock, William.
- Giglio, Antonio J., Providence, R. I., assignor to Premier Thread Company. Apparatus for cooling sewing-machine needles. 2,457,362, Dec. 28.
- Gill, Irving: *See*—
Rockola, David C., and Gill.
- Gillas, Anthony D., Brooklyn, N. Y. Stapling machine. 2,436,473, Feb. 24.
- Gilbert, A. C., Company, The, assignee: *See*—
Erhardt, Oscar P.
Morse, Shirley P.
Smith, William R.
- Gilbert, Alfred G., South Acton, and W. H. Rogers, Jr., Malden, assignors to Reece Folding Machine Company, East Cambridge, Mass. Infolding method and machine. 2,453,623, Nov. 9.
- Gilbert & Barker Manufacturing Company, assignee: *See*—
Cochrane, Richard M.
De Lancey, Warren H.
Duemler, Virgil E.
Grise, Alfred L.
Logan, Joseph A.
Mesh, Theodore J.
- Gilbert, Clarence H., Green Springs, Ohio. Control valve. 2,440,942, May 4.
- Gilbert, Everett E., New York, and H. D. Segool, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation. Purification of diaryl monosulfides. 2,456,500, Dec. 14.
- Gilbert, Harry A., and I. L. Tolf, Battle Creek, Mich., and J. J. Thayer, Elkhart, Ind., assignors to General Foods Corporation, New York, N. Y. Apparatus for weighing and discharging dry materials. 2,443,350, June 16.
- Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal cleaning. 2,448,262, Aug. 31.
- Gilbert, Herman W., Forest Hills, and W. Deichmann, Elmont, N. Y.; said Deichmann assignor to said Gilbert. Cloth laying-up machine. 2,442,352, June 1.
- Gilbert, Joseph A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for wrapping of block-shaped articles. 2,443,952, June 22.
- Gilbert, Joseph A., San Francisco, Calif., assignor to Moore Business Forms, Inc. Carbon interleaved record assembly. 2,448,143, Aug. 31.
- Gilbert, Joseph A., San Francisco, and P. A. Johnson, assignors to Moore Business Forms, Inc., Emeryville, Calif. Sheet feed for writing machines. 2,451,330, Oct. 12.
- Gilbert, Lee E.: *See*—
Book, Raymond H., and Gilbert.
- Gilbert, Lewis W., Bradford, Pa., assignor to F. Kelper, Rochester, and N. E. B. Gilbert, Seneca Falls, N. Y. Device to regulate depth of gasoline in the float chamber of a carburetor. 2,448,709, Sept. 7.
- Gilbert, Lewis W., Seneca Falls, N. Y. Automatic starting switch. 2,437,023, Mar. 2.
- Gilbert, Lowell B., Kenmore, and R. J. Kieffer, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Chain forming machine. 2,450,396, Sept. 28.
- Gilbert, Nora E. B., assignee et al.: *See*—
Gilbert, Lewis W.
- Gilbert, Roswell W., Montclair, assignor to Western Electrical Instrument Corporation, Newark, N. J. Dual electric instrument. 2,455,167, Nov. 30.
- Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter and generator means. 2,453,215, Nov. 9.
- Gilbert, Stanley W., Middletown, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,446,469, Aug. 3.
- Gilbert, Walton E., Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for drilling and producing wells. 2,452,920, Nov. 2.
- Gilbert, William I., New Kensington, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic dealkylation of alkyl aromatic compounds. 2,435,038, Jan. 27.
- Gilbert, William I., New Kensington, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Production of long-chain olefins by catalytic cracking of paraffinic wax. 2,441,962, May 25.
- Gilbertson, John A.: *See*—
Callahan, John T., and Gilbertson.
- Gilchrist, John E., Chicago, Ill. Injection molding of plastic material. 2,456,778, Dec. 21.
- Gilchrist, Lawrence B., Hammondville, Ohio, assignor to National Steel Corporation. Apparatus for handling material. 2,454,055, Nov. 16.
- Gilcrest, Leo J., Cyrus, Minn. Ice-cream packer. 2,457,541, Dec. 28.
- Gile, William A., Stoneham, Mass. Toolholder for lathes. 2,448,586, Sept. 7.
- Giles, Dee, Farmington, N. Mex. Smelting furnace. 2,444,646, July 6.
- Giles, Eugene M., Western Springs, assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Grip nut. 2,454,443, Nov. 23.
- Giles, Henry H., Pittsburgh, Pa. Pipe reamer. 2,442,922, June 8.
- Giles, Henry H., Pittsburgh, Pa. Pipe reamer and rest. 2,442,923, June 8.
- Giles, William M., San Diego, Calif., and C. M. Kucera, Houston, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Throttle control device operable to control reversible pitch propellers. 2,446,700, Aug. 10.
- Gilfillan, Charles W.: *See*—
Townsend, Kenneth, and Gilfillan.
- Gill, Emerson C.: *See*—
Goodhue, William V., and Gill.
- Gill, Ferdinand A., Chicago, Ill. Lubricating device. 2,442,166, May 25.
- Gill, Franklin C., Flint, Mich. Method and means for adjusting contacts. 2,439,362, Apr. 6.
- Gill, Joseph W., Elmhurst, assignor to United States Gypsum Company, Chicago, Ill. Plastic joint composition. 2,456,269, Dec. 14.
- Gill, Ray H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Upsetting tool for hollow rivets. 2,437,191, Mar. 2.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Levelling support. 2,446,325, Aug. 3.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure switch. 2,454,647, Nov. 23.
- Gille, Willis H., St. Paul, and J. V. Sigford, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Impedance bridge. 2,444,733, July 6.
- Gillespie, Alex J., assignor to The Thew Shovel Company, Lorain, Ohio. Tread shoe. 2,452,921, Nov. 2.
- Gillespie, Charles N., Brooklyn, N. Y., assignor to Radio Corporation of America. Automatic facsimile message scanning system. 2,443,953, June 22.
- Gillespie, J. W., Henderson, Tex. Sucker rod guide. 2,436,994, Mar. 2.
- Gillespie, Rollin W., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Projector and receiver of supersonic frequencies. 2,448,365, Aug. 31.
- Gillet, Eugene C., Valenciennes, assignor to Societe Anonyme des Tubes de Valenciennes & Denain, Paris, France. Telescopic tubular prop. 2,450,374, Sept. 28.
- Gillet, James M., Evanston, Ill., assignor to Victor Chemical Works. Drilling fluid composition. 2,435,211, Feb. 3.
- Gillett, Donald B., Wooster, Tex., assignor to Standard Oil Development Company. Lubricating oil. 2,436,565, Feb. 24.
- Gillett, Glenn D., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Backlash eliminator for planetary gears. 2,444,734, July 6.
- Gillett, William, Grosse Pointe Park and E. A. Miller, assignors to Detroit Steel Products Company, Detroit, Mich. Building structure. 2,449,292, Sept. 14.

- Gillette, Frank N., Cambridge, and L. J. Haworth, Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Plan position indication system. 2,444,193, June 29.
- Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Delay fuse. 2,436,385, Feb. 24.
- Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Fuse. 2,452,562, Nov. 2.
- Gillette, John C., Washington, D. C., and B. H. Tabb, Jr., Arlington, Va. Fuse. 2,453,107, Nov. 2.
- Gillette, Leslie A.: *See*—
Gallagher, Dudley M., and Gillette.
- Gillette, Leslie A., Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of water-insoluble salts of substituted dithiocarbamic acids. 2,443,161, June 8.
- Gillette Safety Razor Company, assignee: *See*—
Locke, Edwin A., Jr.
Muros, Joseph.
Testi, Nicholas.
- Gillin, Francis O., assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Electric condenser mount. 2,441,809, May 18.
- Gilliver, Gilbert, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric soldering iron. 2,457,143, Dec. 28.
- Gilman, Arthur H., Spokane, Wash. Arch support heel. 2,435,677, Feb. 10.
- Gilman, David M., Chelsea, Mass. Lock bolt or nut. 2,449,846, Sept. 21.
- Gilman, Frederick C. Pompton Lakes, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hermetically sealed submersible pumping structure. 2,449,772, Sept. 21.
- Gilman, Lawrence M., Gilman, Conn. Blanket insulation and method of and apparatus for forming the same. 2,435,347, Feb. 3.
- Gilman, Martin J., Gilman, Conn. Toy football dummy. 2,449,935, Sept. 21.
- Gilman, Webster E., assignor to Permoflux Corporation, Chicago, Ill. Magnetostrictive vibrator unit. 2,433,893, Jan. 6.
- Gilman, Webster E., Maywood, assignor to Permoflux Corporation, Chicago, Ill. Permanent magnet electrodynamic transducer. 2,440,439, Apr. 27.
- Gilman, Wilbert M., Wellesley Hills, Mass., assignor to Cread Engineering and Research Company, Cranston, R. I. Clutch and brake mechanism. 2,449,893, Sept. 21.
- Gilmann, Henry H., Philadelphia, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Salts of alkylolamine boric esters. 2,441,063, May 4.
- Gilmore, Jackson G., Columbus, Ohio. Magazine-type heater. 2,442,124, May 25.
- Gilmore, Ronald P., Fulton, Mo., assignor to Shell Development Company, San Francisco, Calif. Interference eliminator for seismic recording systems. 2,456,401, Dec. 14.
- Gilmore, Roy E., Portland, Oreg. Folding child's vehicle. 2,455,168, Nov. 30.
- Gilowitz, Benjamin, Bronx, assignor of twelve and one-half percent to I. Skrilow, and twelve and one-half percent to A. Levin, New York, N. Y. Rotatable rubber heel. 2,447,905, Aug. 24.
- Gilpin, Garth G., deceased, Chicago, Ill., by J. B. Gilpin, executrix, Steubenville, Ohio; said G. G. Gilpin, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler support and positioning device. 2,441,625, May 18.
- Gilpin, Garth G., deceased, Chicago, Ill., by J. B. Gilpin, executrix, Steubenville, Ohio; said G. G. Gilpin, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler support and positioning device. 2,441,626, May 18.
- Gilpin, Jessie B., executrix: *See*—
Gilpin, Garth G.
- Gilreath, Thomas G.: *See*—
Whitener, Ernest K., Gilreath, Saunders, and Elmore.
- Gilron Products Company, assignee: *See*—
Orozco, Gilbert H.
- Gilson Brothers Company, assignee: *See*—
Gilson, Michael V.
- Gilson, Hiram B., West Allis, Wis., assignor to The Linde Air Products Company. Heating or flame hardening apparatus. 2,440,716, May 4.
- Gilson, Michael V., assignor to Gilson Brothers Company, Fredonia, Wis. Concrete mixer. 2,438,555, Mar. 30.
- Gilson & Neeb Company, assignee: *See*—
Gilson, Seth J.
- Gilson, Seth J., assignor to Gilson & Neeb Company, Cleveland, Ohio. Window screen. 2,444,288, June 29.
- Gilson, Warren E., Madison, assignor to The Burdick Corporation, Milton, Wis. Metal locator. 2,442,805, June 8.
- Ginn, Clarence M.: *See*—
Anderson, Eric M., Kelso, and Ginn.
- Ginn, Earl, and K. M. Cloud, North Muskegon, assignors to Continental Motors Corporation, Muskegon, Mich. Engine. 2,442,924, June 8.
- Ginnings, Defoe C., Macomb, Ill. Multiple-effect solar still. 2,445,350, July 20.
- Ginsberg, Maxwell R., assignor: *See*—
Jantzen, Frederick H.
- Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Bearing packer. 2,439,888, Apr. 20.
- Ginzton, Edward L., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency control system. 2,434,294, Jan. 13.
- Ginzton, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Radio locator test apparatus. 2,440,261, Apr. 27.
- Ginzton, Edward L., Wantagh, N. Y., assignor to The Sperry Corporation. Impedance transformer. 2,436,427, Feb. 24.
- Giordano, Salvatore, Maspeth, Long Island, N. Y. Handbag frame assembly. 2,437,597, Mar. 9.
- Giralt, Thomas R., Habana, Cuba. Domestic bar with disappearing shelf compartment. 2,445,394, July 20.
- Girard, Edmond P., Geneva, Switzerland. Rotary compressor sealing means. 2,457,221, Dec. 28.
- Girard, Ernest, Central Falls, assignor to American Tool Head Corporation, Providence, R. I. Bolt pointing machine. 2,448,305, Aug. 31.
- Girard, Jean M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Braking asynchronous motors. 2,434,919, Jan. 27.
- Girard, Wilfrid J., San Francisco, Calif. Knife sharpening kit. 2,455,477, Dec. 7.
- Girdler Corporation, The, assignee: *See*—
Houlton, Harold G.
Miller, Bruce D.
Zottu, Paul D.
- Giroux, Walter R., Spokane, Wash. Grapple. 2,452,452, Oct. 26.
- Girod, Clyde A., Winona, Minn. Speed device. 2,457,458, Dec. 28.
- Girouard, Philias H.: *See*—
Chadwick, George A., and Girouard.
- Giroux, Joseph A., Southbridge, Mass. Intermittent strip feed projector mechanism. 2,434,359, Jan. 13.
- Gisholt Machine Company, assignee: *See*—
Godfriaux, Louis E.
- Gisolf, Jacob H., F. A. Kröger, and J. Bakker, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Erythral phosphor. 2,450,548, Oct. 5.
- Gistucci, Paul X. A., assignee: *See*—
Lichtenstein, Johann, and Gistucci.
- Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Recovery of nordihydroguaiaretic acid from plant extracts. 2,444,346, June 29.
- Gitchel, Wayne B.: *See*—
Arvin, James A., and Gitchel.
- Gits Bros. Mfg. Co., assignee: *See*—
Biggs, John L.
- Gittings, Lewis D., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Penetrating oil compositions. 2,448,093, Aug. 31.
- Gittings, William N., Oakmont, Pa., assignor to General Electric Company. Protective arrangement for translating devices. 2,439,247, Apr. 6.
- Gitus, Virgil O., Brooklyn, N. Y. Method of and apparatus for measuring the color quality of light. 2,455,116, Nov. 30.
- Giuseffi, Jerome, Cincinnati, Ohio, assignor to Goodall-Sanford, Inc., Sanford, Maine. Coat construction. 2,434,997, Jan. 27.
- Given, Richard A., Lake Charles, La., and W. S. Craft, Elizabeth, N. J., assignors to Standard Oil Development Company. Stripping in butadiene extraction. 2,448,971, Sept. 7.
- Given, Samuel, assignee: *See*—
Jordan, Hans.
- Givens, Fred B., Fond du Lac, Wis. Integral sheet metal mop wringing attachment for pails. 2,443,954, June 22.
- Givens, Glenn G., Newport News, Va. Tool for cutting insulation on electric conductors. 2,437,514, Mar. 9.
- Givens, Horace T. F., East Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Aliphatic amino alcohols and medicinal preparations thereof. 2,457,656, Dec. 28.
- Glowsky, Harry L., and P. Ketelsen, assignors to Boeing Airplane Company, Wichita Division, Wichita, Kans. Lubricating device. 2,456,270, Dec. 14.
- Gizara, Edward W., Amsterdam, N. Y. Internal-combustion engine (turbine type). 2,448,972, Sept. 7.
- Gjertsen, Ole K., New York, N. Y. Sock support. 2,457,363, Dec. 28.
- Gladden, John N., assignor to Gladden Products Division of Los Angeles Turf Club, Inc., Glendale, Calif. Valve. 2,446,274, Aug. 3.
- Gladden Products Corporation, assignee: *See*—
Kuhn, Jackson G.
- Gladden Products Division of Los Angeles Turf Club, Inc., assignee: *See*—
Gladden, John N.
- Glantzer, Russell M., Washington, Pa. Transfer valve. 2,443,679, June 22.
- Glantzer, Russell M., Washington, Pa. Electrical resistance welder with indexing finger control. 2,446,648, Aug. 10.
- Glanz, Joseph J., New Haven, assignor to Aircraft Tools, West Haven, Conn. Hinge. 2,437,192, Mar. 2.

- Glanzer, Clarence J., Northfield, assignor to Air-Maze Corporation, Cleveland, Ohio. Explosion resistant filter. 2,443,238, June 15.
- Glaser, Edward M., Bellmore, and Girard S. Toombs, Rockville Centre, N. Y., assignors to Square D Company, Detroit, Mich. Contact device. 2,434,740, Jan. 20.
- Glaser, Mark A., Los Angeles, Calif. Adjustable retractor. 2,450,194, Sept. 28.
- Glasgow, Frances K., Long Beach, assignor of forty per cent to H. H. Jamieson, Los Angeles, Calif. Foot wrapper. 2,449,936, Sept. 21.
- Glasin, John A., Galveston, Tex. Oscillating tilt drop adjusting table. 2,446,275, Aug. 3.
- Glasing, Joseph S., Huntington, and H. D. Marcotte, assignors to Westfield River Paper Company, Inc., Russell, Mass. Machine for laminating. 2,434,795, Jan. 20.
- Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,453,661, Nov. 9.
- Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,455,169, Nov. 30.
- Glass, Dudley B., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Colored couplers. 2,455,170, Nov. 30.
- Glass Fibers, Inc., assignee: *See—*
- Schlehr, Walter R.
Stevens, Charles R.
- Glass, John P., West New York, assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Induction motor. 2,443,104, June 8.
- Glass, Paul: *See—*
- Gundersen, Daniel T., and Glass.
- Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Rectifier fed motor system. 2,448,793, Sept. 7.
- Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,453,624, Nov. 9.
- Glasser, Albert A., Los Angeles, Calif. Brassière. 2,439,567, Apr. 13.
- Glassford, Donald C.: *See—*
- Wilson, Jack P., Lewis, and Glassford.
- Glassheim, Leonard, Rockaway Beach, Long Island, N. Y. Hanger. 2,441,191, May 11.
- Glassner, Mitchel, assignor to Maryland Baking Company, Inc., Baltimore, Md. Cone jacket applying machine. 2,445,713, July 20.
- Glatstein, Byrdle, Muscatine, Iowa. Infant's convertible bed and seat. 2,436,294, Feb. 17.
- Glavies, Mike A., Campbell, Ohio. Garment hanger. 2,441,407, May 11.
- Glavis, Frank J.: *See—*
- Neher, Harry T., and Glavis.
- Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of quaternary ammonium polyacrylates. 2,435,777, Feb. 10.
- Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Noncombustible hydraulic fluid. 2,455,117, Nov. 30.
- Glaxo Laboratories Limited, assignee: *See—*
- Creevy, Charles.
- Glazer, William H., assignor of ten per cent to H. Langsam, Philadelphia, Pa. Ophthalmic lens. 2,442,849, June 8.
- Glazier, Harold P., assignor to The Murray Corporation of America, Detroit, Mich. Device for inserting springs in pockets. 2,434,209, Jan. 6.
- Gleasman, Vernon E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,450,129, Sept. 28.
- Gleason, Anthony H.: *See—*
- Read, Chester L., and Gleason.
- Gleason Works, assignee: *See—*
- Bauer, Oliver F.
Galloway, Clarence T.
Peters, Joseph M.
Turner, Lyman H., Bauer, and Michelson.
Wildhaber, Ernest.
- Gledhill, Edward, New York, N. Y. Bandage. 2,448,366, Aug. 31.
- Gleitsman, Harold, New Rochelle, and D. Hoenig, St. Albans, N. Y., said Hoenig assignor to said Gleitsman. Automatic adjustable chair. 2,450,654, Oct. 5.
- Gleitzi, Herbert, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Textile spindle mounting. 2,433,987, Jan. 6.
- Gleitzi, Herbert, Euclid, and C. E. Miller, East Cleveland, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Spindle for textile mill use. 2,447,854, Aug. 24.
- Gleitzi, Jerome D., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Oil pump. 2,447,853, Aug. 24.
- Glen Jewelry Company, Inc., assignee: *See—*
- Rowen, Irving.
- Glennon, James B., U. S. Navy. Differential drum for mine anchors. 2,435,580, Feb. 10.
- Glenny, Arthur P.: *See—*
- Blood, Albert, and Glenny.
Nisbet, Robert H., and Glenny.
- Glesmann, Louis G., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Method of and apparatus for making flat metal tubes. 2,442,850, June 8.
- Glessner, Jack M., Dayton, Ohio. System of modulation utilizing a cathode follower. 2,436,802, Mar. 2.
- Glessner, Jack M., Dayton, Ohio. Utilizing crystal oscillators to effect frequency selection. 2,441,570, May 18.
- Gley, Paul R., Haledon, N. J., assignor to Curtiss-Wright Corporation. Control mechanism. 2,440,083, Apr. 20.
- Glick, Charles F., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements bearing a polyvinylpyridine sublayer, a layer containing a soluble boron compound and a silver halide synthetic hydroxyl polymer layer and their preparation. 2,448,525, Sept. 7.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,449,808, Sept. 21.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,454,151, Nov. 16.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière and similar garment. 2,454,152, Nov. 16.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,454,153, Nov. 16.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Supporting straps for brassières. 2,454,154, Nov. 16.
- Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of styrene and related compounds. 2,456,558, Dec. 14.
- Glick, Sanford E., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizable composition. 2,457,657, Dec. 28.
- Glidden Company, The: *See—*
- Stallcup, William D.
- Glidden Company, The, assignee: *See—*
- Bain, Joseph P., and Best.
Hampton, Burt L.
Julian, Percy L., Cole, Magnani, and Conde.
Julian, Percy L., Cole, Magnani, and Meyer.
- Gilwa, Michael, Chicago, Ill. Auxiliary propeller for airships and housing therefor. 2,437,353, Mar. 9.
- Global Spark Plug Co., assignee: *See—*
- Replogle, Delbert E.
- Globe American Corporation, assignee: *See—*
- Sherman, Alvin G.
Tolley, Donald B.
- Globe Automatic Sprinkler Company, assignee: *See—*
- Rowley, Arthur C.
- Globe Hoist Company, assignee: *See—*
- Thompson, Elmer B.
- Globe Oil & Refining Company, assignee: *See—*
- Perdew, William E.
- Globe Slicing Machine Co., Inc., assignee: *See—*
- Metzler, Charles L.
- Globe-Union Inc., assignee: *See—*
- Wolff, Robert L., and Foy.
Wolff, Robert L., and Weber.
- Globe-Wernicke Co., The, assignee: *See—*
- Crell, James V.
- Glock, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Tin plate treatment. 2,450,508, Oct. 5.
- Glock, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Tin plate treatment. 2,450,509, Oct. 5.
- Glocker, Eugénie, administratrix: *See—*
- Glocker, Gustave.
- Glocker, Gustave, deceased; E. Glocker, administratrix, assignor to Super-Seal Container Corporation, Washington, D. C. Container closure. 2,437,515, Mar. 9.
- Glocker, Gustave, assignor to Super-Seal Container Corporation, Washington, D. C. Machine for applying closures and sealing jars. 2,440,085, Apr. 20.
- Glocker, Gustave, assignor to Super-Seal Container Corporation, Washington, D. C. Container and closure cap to be used therewith. 2,446,226, Aug. 3.
- Gloss, Paul F. M.: *See—*
- Deloraine, Edmond M., Labin, and Gloss.
- Gloss, Paul F. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Receiver for pulse waves. 2,449,985, Sept. 28.
- Glogau, Manfred L., Shorewood, assignor to Allen-Bradley Company, Milwaukee, Wis. Preset switch. 2,438,970, Apr. 6.
- Gloor, Karl, Zurich, Switzerland. Press for the covering of electrode rods. 2,457,459, Dec. 28.
- Gloss, Gunter H., Redwood City, and E. B. Baker, Burlingame, assignors to Marine Magnesium Products Corporation, San Francisco, Calif. Production of magnesium compounds. 2,449,293, Sept. 14.
- Glossbrenner, Frederick W., Indianapolis, Ind. Vaporizer and control panel. 2,456,057, Dec. 14.
- Gloftelty, Mason J., Oakland, Md. Camshaft positioning device. 2,443,135, June 8.
- Glover, Alan M., Newark, and R. B. Janes, Verona, N. J., assignors to Radio Corporation of America. Phototube and manufacture. 2,441,810, May 18.
- Glover, Bill, Incorporated, assignee: *See—*
- Glover, William C., Jr.

- Glover, John E., Jr., Queens Village, and J. C. Hanson, Hicksville, N. Y., assignors to Republic Aviation Corporation. Flexible connection and seal. 2,451,941, Oct. 19.
- Glover, Leonard E., assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England. Length bar for micrometer gauges and the like. 2,433,988, Jan. 6.
- Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Holding device for finishing machines. 2,436,255, Feb. 17.
- Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Steam vacuum finisher. 2,455,755, Dec. 7.
- Glover, William C., Jr., Kansas City, Mo., assignor to Bill Glover Incorporated. Mechanism for supplying steam and heated air to spotting machines. 2,455,756, Dec. 7.
- Glover, William C., Jr., Lee's Summit, Mo., assignor to Bill Glover Incorporated. Device for tempering steam. 2,455,754, Dec. 7.
- Glover, William F., assignor to Standard Telephones and Cables Limited, London, England. Circuits for repeating square shaped wave forms. 2,452,563, Nov. 2.
- Glowacki, Matthew P., Chicago, Ill. Sanding tool. 2,448,178, Aug. 31.
- Gloyer, Walter, Port Washington, assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,439,208, Apr. 6.
- Gluckin Corporation, The, assignee: *See—*
Glick, Jack.
- Gluckin, Edwin W., Brooklyn, N. Y. Brassière. 2,438,210, Mar. 23.
- Gluckin, Edwin W., Brooklyn, N. Y. Brassière and similar garments. 2,456,695, Dec. 21.
- Gluckman, Maxfield, Jackson Heights, N. Y. Desk tray. 2,457,364, Dec. 28.
- Glud, William T., Bremerton, Wash. Pivoted forming die for reciprocating metal plate bender. 2,433,841, Jan. 6.
- Gluek, Alvin C., Minneapolis, Minn. Manufacture of a new malt liquor from cereal products. 2,442,806, June 8.
- Gluesenkamp, Earl W., and A. B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymers of hydrocarbon dienes and acrylates of alpha-hydroxy-methylethano-9,10-dihydroanthracene. 2,454,737, Nov. 23.
- Gluhareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade. 2,447,118, Aug. 17.
- Gluntz, Roger, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Grid electrode for electron discharge devices. 2,447,501, Aug. 24.
- Gluzek, Lorand, J. B., Parma, assignor to Dolorimeter, Inc., Cleveland, Ohio. Medical diagnostic device. 2,453,841, Nov. 18.
- Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Multiple jaw chuck. 2,448,881, Sept. 7.
- Gobel, Charles, Philadelphia, Pa. Line tightener. 2,452,368, Oct. 26.
- Goble, George H., Haddon Heights, N. J. Lamp socket. 2,456,501, Dec. 14.
- Goble, Lawrence E., assignor to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Flexible joint assembly. 2,456,182, Dec. 14.
- Gochenour, Carl I.: *See—*
Kischitz, Alexander D., Gochenour, and Brailsford.
- Gochenour, Carl I., and G. D. Kyker, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Fluorination of hexachlorobutadiene. 2,436,357, Feb. 17.
- Gockinga, Walter S., Scarsdale, assignor to General Industrial Diamond Co. Inc., New York, N. Y. Diamond wheel dressing tool. 2,435,558, Feb. 3.
- Goda, Lawrence B., Sr., Chicago, Ill. Lithograph spray device. 2,440,084, Apr. 20.
- Godbe, Murray, Jr., Salt Lake City, Utah. Transmission. 2,445,573, July 20.
- Goddard, Anne F., executrix: *See—*
Yanes, Francisco G.
- Goddard, Ervin S., Huntington, W. Va., assignor to Adel Precision Products Corp. Multiple clip and bracket. 2,440,469, Apr. 27.
- Goddard, Esther C., executrix: *See—*
Goddard, Robert H.
- Goddard, Holly R., North Hollywood, Calif. Lawn sprinkler head. 2,446,918, Aug. 10.
- Goddard, Merrill B., Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y. Compressor capacity control for air conditioning systems. 2,443,500, June 15.
- Goddard, Myron C., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,444,039, June 29.
- Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Gas blast actuated auxiliary turbine for gas blast propelled craft. 2,450,950, Oct. 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber and supplying plural liquid fuels thereto. 2,456,402, Dec. 14.
- Godet, Sidney, Albany, N. Y., assignor to General Electric Company. Follow-up control. 2,437,951, Mar. 16.
- Godfrey, Robert C., assignor to The British Oxygen Company Limited, London, England. Cooling of fluids. 2,437,851, Mar. 16.
- Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Fluid pump. 2,444,159, June 29.
- Godreau, Joseph M., Moosup, Conn. Control for stopping looms. 2,452,648, Nov. 2.
- Godsey, Frank W., Jr., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torquemeter. 2,445,427, July 20.
- Godwin, Gerald D., Minneapolis, Minn. Auto top luggage carrier. 2,440,821, May 4.
- Godwin, Roger H., Dallas, Tex. Adjustable clamp. 2,446,470, Aug. 3.
- Goebel, Herman L., assignor to Steber Manufacturing Co., Chicago, Ill. Lighting fixture. 2,435,678, Feb. 10.
- Goebel, Herman L., assignor to Steber Manufacturing Co., Chicago, Ill. Reflector assembly. 2,435,679, Feb. 10.
- Goebel, Max T., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dialkyl esters of long-chain alkylphosphonates. 2,436,141, Feb. 17.
- Goehring, Francis R., assignor to H. Belfield Company, Philadelphia, Pa. Meter valve. 2,441,483, May 11.
- Goehring, Francis R., assignor to H. Belfield Company, Philadelphia, Pa. Diaphragm control valve. 2,456,403, Dec. 14.
- Goehringer, Alfred E.: *See—*
Moffatt, Frank R., and Goehringer.
- Goepfert, George J.: *See—*
Rushmer, Ralph H., and Goepfert.
- Goepfert, Otto F., Brevard, N. C., assignor to Endless Belt Corporation. Braiding machine. 2,444,436, July 6.
- Goepfrich, George A.: *See—*
Boshka, Joseph M., Goepfrich, and Kuzmitz.
- Goepfrich, Rudolph A.: *See—*
House, Bryan E., and Goepfrich.
- Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic brake actuator. 2,445,061, July 13.
- Goepp, Rudolph M., Jr., New Castle, assignor to Atlas Powder Company, Wilmington, Del. Vinyl resins plasticized with hexitan tetra-esters. 2,441,241, May 11.
- Goerg, Walter, North Bergen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flux coating for welding rods. 2,456,121, Dec. 14.
- Goetz, Alexander, Pasadena, Calif., assignor to Sunshine Mining Company, Yakima, Wash. Chemical process for production of potable water from non-potable saline water. 2,445,669, July 20.
- Goetz, Carlos C., assignee: *See—*
Goetz, Paul C.
- Goetz, Paul C., Mount Holly, N. J., assignor of one-half to C. C. Goetz, New York, N. Y. Surface treated pictures. 2,446,757, Aug. 10.
- Goetz, Philippe L., assignee: *See—*
Smith, Lewis R.
- Goetzel, Claus G., assignor to American Electro Metal Corporation, Yonkers, N. Y. Composite material and shaped bodies therefrom. 2,456,779, Dec. 21.
- Goff, Francis L., assignee: *See—*
Hurst, Edmund E., and Paxton.
- Goff, Francis Lee, assignor of one-third to E. E. Hurst and one-third to J. W. Paxton, Bloomington, Ill. Perspective drafting attachment. 2,454,380, Nov. 23.
- Gofstein, Ralph: *See—*
Georgian, Vlasios, Amon, Gofstein, Land, West, and Woodward.
- Gofstein, Ralph M.: *See—*
Blout, Elkan R., and Gofstein.
- Gogerty, Henry L., North Hollywood, Calif. Prefabricated and demountable house construction. 2,438,604, Mar. 30.
- Gohr, Edwin J., Summit, N. J., assignor to Standard Oil Development Company. Adding heat in the regeneration of catalyst for the conversion of hydrocarbons. 2,445,351, July 20.
- Gohr, Edwin J., Summit, H. Z. Martin, Roselle, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Apparatus for contacting solids and gaseous fluids. 2,449,601, Sept. 21.
- Goike, Alphonse M., Milwaukee, Wis. Check protector. 2,446,471, Aug. 3.
- Goin, Everett, Weatherford, Okla. Implement anchor. 2,451,163, Oct. 12.
- Goin, Floyd I., Independence, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Automatic stop and lock for machines for gauging cartridges. 2,451,616, Oct. 19.
- Gokey, John L., Columbus, Ohio. Self-dumping wheelbarrow. 2,448,216, Aug. 31.
- Gold, Ira, Chicago, Ill. Educational toy. 2,437,090, Mar. 2.
- Gold, Leon J., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Thermoplastic coating composition. 2,451,212, Oct. 12.
- Gold, Leon J., Shorewood, Wis., assignor to Milprint, Inc., Milwaukee, Wis. Blackboard. 2,452,235, Oct. 26.

- Gold, Leon J., Shorewood, and S. Zweig, assignors to Milprint, Inc., Milwaukee, Wis. Adhesive composition comprising a polyalkylene glycol and an alkyd resin. 2,446,581, Aug. 10.
- Goldbach, John C., Jacksonville, Fla. Fishing lure. 2,445,523, July 20.
- Goldbaum, Milton B., Brooklyn, N. Y. Bunion protector and means thereon for holding the same in place. 2,438,364, Mar. 23.
- Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Securing device. 2,444,873, July 6.
- Goldberg, Benjamin D., Brooklyn, N. Y. Safety vent for pressure cookers. 2,436,566, Feb. 24.
- Goldberg, Daisy H.: *See*—
Jackler, Rose, and Goldberg.
- Goldberg, David N., Wheeling, W. Va. Rivet buckler tool. 2,436,295, Feb. 17.
- Goldberg, Edwin A.: *See*—
Brown, George W., and Goldberg.
- Goldberg, Elias, assignee, et al.: *See*—
Keith, Glenn.
- Goldberg, Harold, Irondequoit, assignor to Stromberg-Carlson Company, Rochester, N. Y. Electronically regulated power supply. 2,434,069, Jan. 6.
- Goldberg, Harry, S. Z. Siwek, A. R. Long, and W. J. Carter, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Engine unit. 2,446,919, Aug. 10.
- Goldberg, Harry, S. Z. Siwek, and W. J. Carter, assignors, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Internal-combustion engine and air cleaner therefor. 2,446,920, Aug. 10.
- Goldberg, Harry H., Denver, Colo. Joint for metal window frames. 2,437,598, Mar. 9.
- Goldberg, Harry H., Denver, Colo. Joint for metal window sash frames. 2,445,428, July 20.
- Goldberg, Herman M., and A. E. Karlberg, assignors to Chicago Seal Co., Chicago, Ill. Seal. 2,445,062, July 13.
- Goldberg, Max W., West Bend, assignor to Modern Equipment Company, Port Washington, Wis. Teapot spout ladle. 2,447,747, Aug. 24.
- Goldberg, Morris, Pittsburgh, Pa. Electric socket. 2,439,385, Apr. 13.
- Goldberg, Ralph, assignor of one-half to J. H. Colvin, Baltimore, Md. Variable pitch fluid transmission. 2,456,696, Dec. 21.
- Goldberg, Richard O., assignor to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Continuous strip slot insulation. 2,455,862, Dec. 7.
- Goldblatt, Charles, New York, N. Y. Adjustable coupling for wrist watch bands. 2,447,329, Aug. 17.
- Goldblatt, Leo A.: *See*—
Savich, Theodore R., and Goldblatt.
- Goldblum, Kenneth B., Pittsfield, Mass., assignor to General Electric Company. Isomerization of alpha phenylethyl phenols. 2,441,408, May 11.
- Golden, John F., Lynn, and H. J. Smith, Everett, Mass. Toolholder. 2,435,212, Feb. 3.
- Golden, John V., Stamford, Conn., and F. H. Runz, New York, N. Y. Frankfurter skinning machine. 2,434,316, Jan. 13.
- Golden, Roann, Oakland, Calif. Massage table. 2,439,292, Apr. 6.
- Golden State Company, Ltd., assignee: *See*—
Peebles, David D., and Hensley.
- Golden, Victor, Chatham, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Thickening latex. 2,457,542, Dec. 28.
- Golden, William T., U. S. Navy. Machine gun firing rate control mechanism. 2,448,024, Aug. 31.
- Goldfield, Edwin R., and R. C. Schiring, University Heights, assignors to Picker X-ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Desk of packing case construction. 2,455,991, Dec. 14.
- Goldfien, Irving, Milwaukee, Wis. Sewer design slide rule. 2,454,157, Nov. 16.
- Goldie, Hector E., assignor to Rubenstein Bros. Company, Montreal, Quebec, Canada. Abrading device. 2,450,473, Oct. 5.
- Goldlust, Harry, New York, N. Y. Garment hanger. 2,457,776, Dec. 28.
- Goldman, Irving, Brooklyn, N. Y. Combined ear muff and hat. 2,444,251, June 29.
- Goldman, Irving A., Alexandria, Va. Automatic air pressure gun. 2,442,648, June 1.
- Goldman, Maurice A., assignor to Johnson & Johnson, New Brunswick, N. J. Corrugated disk filter. 2,449,809, Sept. 21.
- Goldman, Samuel J., Philadelphia, Pa. Wig construction. 2,438,005, Mar. 16.
- Goldman, Sylvan N., Oklahoma City, Okla. Folding basket carrier. 2,434,998, Jan. 27.
- Goldmark, Peter C., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,435,963, Feb. 17.
- Goldmark, Peter C., New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,437,690, Mar. 16.
- Goldmark, Peter C., New York, N. Y., and J. N. Dyer, Stamford, Conn., assignors to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,435,962, Feb. 17.
- Goldpress Company, Inc., The, assignee: *See*—
Anon, Jacob.
- Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ground-fault protective relaying system. 2,445,429, July 20.
- Goldsby, Arthur R.: *See*—
Korpi, Karl, and Goldsby.
Sensel, Eugene E., Smith, and Goldsby.
- Goldsby, Arthur R., Beacon, and C. W. Watson, Eastchester, assignors to The Texas Company, New York, N. Y. Sulfuric acid fortification in isoparaffin alkylation. 2,437,091, Mar. 2.
- Goldsby, Arthur R., Beacon, and C. W. Watson, Eastchester, assignors to The Texas Company, New York, N. Y. Multistage alkylation method. 2,438,852, Mar. 30.
- Goldsby, Arthur R., Beacon, and L. A. Clarke, Fishkill, assignors to The Texas Company, New York, N. Y. Manufacture of motor fuel by alkylation with a light cracked naphtha. 2,439,800, Apr. 13.
- Goldsby, Arthur R., Beacon, and C. W. Watson, Tuckahoe, assignors to The Texas Company, New York, N. Y. Alkylation method. 2,454,869, Nov. 30.
- Goldschmidt, Rudolf, Sheffield, England. Percussion tool. 2,456,631, Dec. 21.
- Goldsmith, Elsworth H., New York, N. Y., R. V. Terry, Maplewood, N. J., and J. W. Schaefer, Philadelphia, Pa., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical sighting device having reflector means for tracking movable objects. 2,457,543, Dec. 28.
- Goldsmitz, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Making protective helmets. 2,451,483, Oct. 19.
- Goldsmitz, Thomas T., Jr.: *See*—
Mann, Estle R., and Goldsmith.
- Goldsmitz, Thomas T., Jr., Cedar Grove Township, Essex County, and E. R. Mann, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Apparatus for electrically testing material. 2,435,680, Feb. 10.
- Goldsmitz, Thomas T., Jr., Cedar Grove, and E. R. Mann, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Device for testing magnetic materials. 2,448,794, Sept. 7.
- Goldsmitz, Thomas T., Jr., Cedar Grove, and E. R. Mann, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Cathode-ray tube amusement device. 2,455,992, Dec. 14.
- Goldstein, Aaron A., assignor to Coat Craft Company, Philadelphia, Pa. Child's garment. 2,436,106, Feb. 17.
- Goldstein, Alexander, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Protective device for direct-current plants. 2,441,484, May 11.
- Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,452,564, Nov. 2.
- Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency stabilization system. 2,444,194, June 29.
- Goldstine, Hallan E., and O. F. Voigt, Port Jefferson Station, N. Y., assignors to Radio Corporation of America. Dial lock. 2,436,921, Mar. 2.
- Goldsworthy, Norman H., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Spot welding metal keys to metal can ends. 2,450,655, Oct. 5.
- Goldthwait, Charles E., and H. O. Smith, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Producing cotton cordage. 2,449,215, Sept. 14.
- Goldthwaite, George R., North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Outlet grille. 2,456,058, Dec. 14.
- Golick, Joseph: *See*—
Briskin, Jack, and Golick.
Briskin, Theodore S. and J., and Golick.
- Goller, George N.: *See*—
Weitzenkorn, Lee E., and Goller.
- Gollmar, Herbert A., Mount Lebanon, assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Recovery of phenols. 2,445,825, July 27.
- Gollob, Harry: *See*—
Brown, Harold A., and Gollob.
- Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Tab-shifting means on printing devices. 2,441,064, May 4.
- Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Reciprocable feed means for printing machines. 2,451,213, Oct. 12.
- Golomb, Jules, Rago Park, assignor to Benlee Sporting Goods Mfg. Co., New York, N. Y. Boxing glove. 2,446,758, Aug. 10.
- Gomez, Charles F., San Francisco, Calif. Multiple switch. 2,452,747, Nov. 2.
- Gonczl, Sophie, Union City, N. J. Fountain pen cap having a multiple cylinder, single axis calendar. 2,445,170, July 13.
- Gonda, Desiré, London, assignor to Holoplast, Limited, New Hythe, near Maidstone, England. Hollow cavities bodies such as rigid hollow panel structures and making the same. 2,445,290, July 13.

- Gondek, John T., assignor, by mesne assignments, to The Northern Pump Company, Minneapolis, Minn. Adjustable gearing. 2,444,773, July 6.
- Goodalves, Victor E., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Thread guide. 2,448,217, Aug. 31.
- Gonsett, Faust R.: *See*—
Gonsett, Robert R. and F. R.
- Gonsett, Robert R. and F. R., Los Angeles, Calif. Waterproof shield for toggle switches. 2,440,943, May 4.
- Gonsett, Robert R. and F. R., Los Angeles, Calif. Waterproof cover for radio jacks and the like. 2,452,922, Nov. 2.
- Gonsett, Robert R. and F. R., Los Angeles, Calif. Compound wrench and screw-driver. 2,453,901, Nov. 16.
- Gonzales, Horace, assignee: *See*—
Martinez, Norberto.
- Gonzales, Lucas D.: *See*—
Dickerson, William N., and Gonzales.
- Good, Daniel F., assignor to Frick Company, Waynesboro, Pa. Peanut picker with gaseous suspension and sifting. 2,440,197, Apr. 20.
- Good, Daniel F., Waynesboro, assignor to Frick Company, Franklin County, Pa. Peanut picker. 2,454,156, Nov. 16.
- Good, Francis R., Long Beach, Calif. Automobile brake signal. 2,446,276, Aug. 3.
- Good, Frederick C., Philadelphia, Pa. Universal joint. 2,433,948, Jan. 6.
- Good, Harvey G., East Earl, Pa. Gatherer for silage harvesters. 2,456,404, Dec. 14.
- Good, James A., Grosse Pointe, Mich. Carrier for marine craft hulls and the like. 2,437,736, Mar. 16.
- Good, Paul F., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Battery container for airplanes. 2,439,464, Apr. 13.
- Good, Wilford R., Clio, Mich. Stop light switch for automobiles. 2,435,389, Feb. 3.
- Goodale, Elmer D., Bayside, Long Island, and V. J. Duke, Rockville Centre, N. Y., assignors to Radio Corporation of America. Video amplifier. 2,441,880, May 18.
- Goodale, Harold R., Bristol, Conn. Toys, more particularly toy merry-go-round. 2,457,460, Dec. 28.
- Goodale, Lynn C., Newark, N. J., assignor to Federal Telephone and Radio Corporation. Sealing metal glass. 2,457,144, Dec. 28.
- Goodale, Walter D., Jr., Convent, and T. J. Pope, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave translating device. 2,434,648, Jan. 20.
- Goodall, Frederic L.: *See*—
Babey, Charles, and Goodall.
- Goodall-Sanford, Inc., assignee: *See*—
Giuseffi, Jerome.
Wilson, Sydney S.
- Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation communication system. 2,438,908, Apr. 6.
- Goodall, William M., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. 2,449,467, Sept. 14.
- Goodbar, Mayo A., and G. A. Cocup, assignor to The National Cash Register Company, Dayton, Ohio. Cash register ticket feeding and printing mechanism. 2,444,564, July 6.
- Goode, Gilbert C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Starter. 2,452,298, Oct. 26.
- Goodhue, William V.: *See*—
Chase, Ernest E., Nokes, Stratton, and Goodhue.
Cole, Frank E., and Goodhue.
Dabrasky, August, Goodhue, and Taylor.
- Goodhue, William V., Ipswich, and J. P. Norton, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ammunition container. 2,437,425, Mar. 9.
- Goodhue, William V., Ipswich, and C. W. Carter, Topsfield, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rocket launcher. 2,450,951, Oct. 12.
- Goodhue, William V., East Greenwich, R. I., and E. C. Gill, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Safety device for breech loading guns. 2,457,222, Dec. 28.
- Gooding, Chester M., and J. R. Rich, Staten Island, assignors, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Winterizing oils. 2,435,626, Feb. 10.
- Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new pyrrole colouring matters. 2,434,039, Jan. 6.
- Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new coloring matters. 2,437,465, Mar. 9.
- Goodlin, Carl L., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for control of highway crossing gates. 2,435,824, Feb. 10.
- Goodloe, Alfred M., Montclair, and O. H. York, Maplewood, assignors to Metal Textile Corporation, West Orange, N. J. Producing compressed wire units. 2,439,424, Apr. 13.
- Goodman, Abraham H.: *See*—
Walsh, James F., Levitt, and Goodman.
- Goodman Manufacturing Company, assignee: *See*—
Hagenbook, Loy D.
Holstein, John H.
Lindgren, Frank A.
Sloane, William W.
Slomer, Joseph J.
Stoltz, Charles E.
Sweeten, Howard C.
- Goodman, Samuel R., Jr., Temple, Tex. Pedal attachment. 2,437,320, Mar. 9.
- Goodrich, B. F., Company, assignee: *See*—
Colley, Russell S.
- Goodrich, B. F., Company, The, assignee: *See*—
Antonson, John O.
Bixby, Willard F.
Bralley, James A.
Bralley, James A., and Pope.
Campbell, Robert G.
Crawford, Richard A.
Dasher, Paul J.
Davies, John M., Shipman, and Davidson.
Davis, Edward A.
Dorner, John A.
Dunbrook, Alexander J.
Dwight, Herbert V.
Fryling, Charles F.
Evans, Benjamin A.
Garvey, Benjamin S.
Gill, Ray H.
Green, William C.
Gresham, Thomas L.
Gresham, Thomas L., and Jansen.
Gresham, Thomas L., and Shaver.
Haren, Urban C.
Heston, Eugene E.
Hickler, Walter R.
Hollerith, Charles.
Hunter, Willson H.
Krupp, Carroll P.
Jansen, Jacob E.
Leguillon, Charles W.
Leguillon, Charles W., Matthias, and Herzog.
Le Jeune, Frank H.
Mackinnon, John C., and Hickler.
Mathes, Roger A.
Niessen, Paul F.
Olson, Frederick F.
Olson, Frederick F., and MacDonald.
Reuter, Louis F.
Sapp, John P.
Semegen, Stephen T.
Slemmons, Charles O., and Smith.
Sternad, Frank S.
Stewart, George H., and Traxler.
Stewart, William D.
Swedish, Frank, Jr.
Taft, George H.
Traxler, Eugene R.
Tritt, Forest G., and Miller.
Van Buren, Walter H.
Whitman, Hyman L.
Willson, Edward A.
Wilson, Matthew W.
- Goodrich, Jess B., assignee, et al.: *See*—
Edmondson, Joseph D.
- Goodrich, Robert R.: *See*—
Snyder, Richard L., Jr., and Goodrich.
- Goodson, George W., North Haven, assignor to The Seamless Rubber Company, New Haven, Conn. Nursing nipples. 2,443,560, June 15.
- Goodwin, Alfred D., Manteca, Calif. Spray operating mechanism. 2,453,368, Nov. 9.
- Goodwin, Arthur E., Eggertsville, N. Y., and L. R. Ludwig, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locking-bar motor frame assembly. 2,447,645, Aug. 24.
- Goodwin, Carl W., Plainfield, N. J., and K. R. Allen, Ridge-wood, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Cap die. 2,447,855, Aug. 24.
- Goodwin, Carl W., Plainfield, N. J., and H. W. Martin, Malverne, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Cap applying machine. 2,455,246, Nov. 30.
- Goodwin, Don O., St. Louis, Mo. Spotting board. 2,434,404, Jan. 13.
- Goodwin, Don O., St. Louis, Mo., and B. J. Yanchenko, Syracuse, N. Y., assignors to G. A. Braun, Inc., Chicago, Ill. Garment spotting apparatus. 2,435,439, Feb. 3.
- Goodwin, Edwin W.: *See*—
Eckhard, William K., and Goodwin.
- Goodwin, James F., Los Angeles, Calif. Electric piano action. 2,452,848, Nov. 2.
- Goodwin, John H., Pittsburgh, assignor to Overly Manufacturing Company, Greensburg, Pa. Roofing construction. 2,447,065, Aug. 17.

- Goodwin, Willis R., Malden, Mass. Work positioning means for heel nailing machines. 2,456,405, Dec. 14.
- Goodyear Aircraft Corporation, assignee: *See—*
Ames, Robert S., McCullough, and Peterson.
Ames, Robert S., Peterson, and Feldscher.
Loudenslager, Oscar W., Gardner, and Ensley.
Mayne, Robert.
Pearson, Thomas V., and Lahood.
Peterson, Mauritz P. H.
Welsner, Earl M.
- Goodyear Corporation, assignee: *See—*
Wisberger, Paul M.
- Goodyer, Harold J., Chicago, Ill. Device for separating liquid or foreign matter in suspension from fluid under pressure. 2,447,119, Aug. 17.
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eye-letting machine. 2,439,465, Apr. 13.
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Electric wire terminal. 2,442,767, June 8.
- Gopner, Ernest, Elmwood Park, Ill. Adjustable dispenser for comminuted materials. 2,446,582, Aug. 10.
- Gopner, Ernest, Elmwood Park, Ill. Reel winding and line drying device. 2,446,583, Aug. 10.
- Gordean, Isadore C., Los Angeles, Calif. Potato masher of welded construction. 2,442,353, June 1.
- Gorden, Walter L., Chicago, and A. W. Mall, Flossmoor, assignors to Mall Tool Company, Chicago, Ill. Chain saw machine. 2,444,132, June 29.
- Gordon, Albert A., 3rd, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Hand rail and reed holder. 2,439,688, Apr. 13.
- Gordon, Alexander M., Providence, R. I., assignor to Money-Meters, Inc. Coin receiving device. 2,438,336, Mar. 23.
- Gordon Armstrong Company, Inc., The, assignee: *See—*
Perkins, Julian L.
- Gordon, Benjamin, New York, N. Y. Knee pad dolly. 2,448,427, Aug. 31.
- Gordon, Chester S., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing communication cables. 2,453,313, Nov. 9.
- Gordon, Ernest, assignor of one-half to A. E. Roberts, Prestwich, England. Pipe joint. 2,453,428, Nov. 9.
- Gordon, George, Sacramento, Calif. Ink pad. 2,444,160, June 29.
- Gordon, Herman L., Silver Spring, Md. Wire connector. 2,438,779, Mar. 30.
- Gordon, Hiram, and C. H. Free, assignors to Joyce, Inc., Pasadena, Calif. Shoe assembling and locating attachment. 2,449,216, Sept. 14.
- Gordon, James, Chicago, Ill. Floor waxing and polishing means. 2,447,172, Aug. 17.
- Gordon, James J.: *See—*
Leader, Sidney A., and Gordon.
- Gordon, John J., Jr., Columbus, and F. L. Haushalter, Akron, Ohio. Dual wheel suspension for trucklaying vehicles. 2,442,354, June 1.
- Gordon, John T., and R. E. Solliday, assignors to Wingfoot Corporation, Akron, Ohio. Thread feed arresting device. 2,456,406, Dec. 14.
- Gordon, Joseph B., New York, N. Y. Aircraft armament. 2,443,105, June 8.
- Gordon, Leonard E., Oakland, Calif. Air charger. 2,447,173, Aug. 17.
- Gordon, Louis: *See—*
Fraser, John W., and Gordon.
- Gordon, Louis J., Chicago, Ill. Combination rule and compass. 2,438,337, Mar. 23.
- Gordon, Ronald, San Carlos, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Glass to metal seal in electrical devices. 2,446,277, Aug. 3.
- Gordon, Ronald, San Carlos, and H. Miller, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electrical device having glass-to-metal seal. 2,450,130, Sept. 28.
- Gordon, Roy F., Bennington, Nebr. Combined truck and elevator. 2,440,681, May 4.
- Gordon, Sheldon, Madison, Wis., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Method for processing plastic sheets. 2,438,281, Mar. 23.
- Gordy, Irving, Eatontown, N. J. Sealed potentiometer. 2,454,278, Nov. 23.
- Goreau, Nelson G., New Orleans, La. Fluid heater. 2,453,985, Nov. 16.
- Gorham, Frank C., Los Angeles, Calif. Window lock. 2,456,780, Dec. 21.
- Gorham, John E.: *See—*
Zahl, Harold A., Rouse, and Gorham.
- Gorham, John E., Spring Lake, N. J. High-power oscillator tube. 2,454,279, Nov. 23.
- Gorham, John E., Spring Lake, and H. A. Zahl, Long Branch, N. J. Spark gap. 2,449,552, Sept. 21.
- Gorin, Everett: *See—*
Harrington, George A., and Gorin.
- Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chlorination of paraffinic hydrocarbons. 2,453,821, Oct. 19.
- Gorin, Everett, and C. B. Miles, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Preparation of phosphene. 2,444,289, June 29.
- Gorin, Everett, Woodbury, N. J., and M. H. Gorin, San Francisco, Calif., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Conversion of dimethyl ether. 2,456,584, Dec. 14.
- Gorin, Manuel H.: *See—*
Abrams, Armand J., Gorin, and Baker.
Gorin, Everett and M. H.
- Gorin, Manuel H., and L. G. Sharp, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Process using aluminum bromide-hydrocarbon complex to promote alkylation of aromatic hydrocarbons by olefins of more than two carbon atoms per molecule. 2,438,211, Mar. 23.
- Gorman, Daniel A., Sr., Glenside, Ithaca, N. Y. Surface treatment of metals. 2,453,429, Nov. 9.
- Gorman, Frank J., Reno, Nev. Furnace hot-water heater. 2,434,267, Jan. 13.
- Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Picture receiver utilizing anomalous reflection from silver. 2,445,774, July 27.
- Gorne, Herbert D., Bellingham, Wash. Hanger. 2,452,120, Oct. 26.
- Gorrie, Harvard H.: *See—*
Johnson, Clarence, Gorrie, and Dickey.
- Gorton, George, Machine Co., assignee: *See—*
Miller, Theodore.
- Goslin-Birmingham Manufacturing Company, Inc., assignee: *See—*
Little, John W.
- Gosmann, Enart, Elmwood Park, Ill., and K. A. Weston, St. Paul, Minn., assignors to Western Electric Company, Incorporated, New York, N. Y. Disassembling articles. 2,441,353, May 11.
- Gosnell, Jesse L., St. Joseph, Mo. Wedge actuator attachment for journal boxes. 2,454,445, Nov. 23.
- Gosparlin, Frederick, Glendale, Calif. Adjustable mute. 2,447,939, Aug. 24.
- Goss, James H., Essex, Mass., assignor to General Electric Company, Decelerometer. 2,448,367, Aug. 31.
- Goss, Nicholas V., Weedsport, N. Y. Dust eliminator. 2,440,855, May 4.
- Goss Printing Press Company, The, assignee: *See—*
Carpenter, Albert J., Jr.
Crafts, Curtis S.
Lacure, Earl F.
Pollock, Willard M.
Riggs, Joseph A., Worthington, and Knell.
Taylor, Auburn.
Whitehead, William A.
Worthington, Emory W.
- Goss, Worth C., Seattle, Wash. Apparatus for the manufacture of metallurgical charcoal from comminuted wood waste material. 2,435,825, Feb. 10.
- Gossard, Charles M., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive blast table. 2,454,158, Nov. 16.
- Gossard, Waldo D., Eureka, Calif., assignor to the United States of America, as represented by the Secretary of War. Calculator. 2,436,386, Feb. 24.
- Gosselin, Anthony J., Eureka, Calif. Axially operating-type tire and rim separating machine. 2,436,003, Feb. 17.
- Goslin-Birmingham Manufacturing Company, Inc., assignee: *See—*
Little, John W.
- Gostkowski, Bedri H., assignor to Universal Lighters Selling Company Ltd., Geneva, Switzerland. Pocket lighter. 2,437,354, Mar. 9.
- Gotschall, Orin C., near Salem, Ohio. Radiator connection hose. 2,447,697, Aug. 24.
- Gottl, George A., New York, A. Killian, Elmhurst, and N. Volpicelli, Astoria, N. Y. Extension clasp for bands such as bracelets. 2,455,302, Nov. 30.
- Gottlieb, Louis, Philadelphia, Pa. Discharge manifold for beverage dispensing apparatus. 2,448,306, Aug. 24.
- Gottlieb, Manious, Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governor apparatus. 2,441,811, May 18.
- Gottschalk, Gordon W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubber-like copolymers with reaction products of sulfur dichloride, and aldehyde, and a phenol. 2,445,736, July 20.
- Gottschalk, Richard B.: *See—*
Farris, Michael O., O'Connor, and Gottschalk.
- Gottschall, Clarence R.: *See—*
Boyer, Taylor M., and Gottschall.
- Gottwald, Donald, assignee: *See—*
Clark, James.
- Gougler, C. L., Machine Company, The, assignee: *See—*
Miller, Edward M.
- Gouinlock, Edward V., Warsaw, N. Y. Machine for stacking hay or straw. 2,445,111, July 13.
- Gould, Clark W., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microrefractometer for liquids. 2,436,567, Feb. 24.
- Gould & Pherhardt, Incorporated, assignee: *See—*
Davenport, Granger.
- Gould, Edward R., Philadelphia, Pa. Laundry drying machine having plural compartments and a central air tube. 2,443,419, June 15.
- Gould, George, Madison, S. Dak.; M. B. Gould, administratrix of said George Gould, deceased. Fish scaling clamp. 2,435,075, Jan. 27.

- Gould, George K., Brooklyn, N. Y. Movie projector control device. 2,437,252, Mar. 9.
- Gould, Henry C., Grantham, England. Sterilizing and disinfecting apparatus. 2,440,043, Apr. 20.
- Gould, Howard C., Brooklyn, N. Y. Tape dispenser. 2,452,299, Oct. 26.
- Gould, John R.: *See*—
Hartley, George C., Gould, and Haigh.
- Gould, King E., Fanwood, N. J., and P. Mertz, Bellerose, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray signal utilizing means. 2,451,484, Oct. 19.
- Gould, Leslie A., Bridgeport, Conn., assignor to Maguire Industries, Incorporated. Frequency-modulated phonograph pickup system. 2,441,354, May 11.
- Gould, Louis P., and J. W. Whiteside, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Dielectric composition comprising polychloroprene, wax, age resistor and antioxidant. 2,436,885, Mar. 2.
- Gould, Minne B., administratrix: *See*—
Gould, George.
- Gould, William H.: *See*—
Reed, George F.
- Gould, William L., Albany, N. Y. Garden stake with chamber for plant growth. 2,435,539, Feb. 3.
- Gould, William L., Albany, N. Y. Production of arch or like supports. 2,440,508, Apr. 27.
- Gould, William L., Albany, N. Y. Film adjustment signal device. 2,442,562, June 1.
- Goulds Pumps, Inc., assignee: *See*—
Mann, John.
- Gouy, Léon, Geneva, Switzerland, vested in the Attorney General of the United States. Unitary vapor eliminator and fuel meter for use in fuel feed systems of aircraft. 2,447,008, Aug. 17.
- Gow, James T., Columbus, Ohio, assignor, by mesne assignments, to Steel Shot Producers, Inc., Butler, Pa. Method and apparatus for forming solidified particles from molten material. 2,439,772, Apr. 18.
- Gower, Marion H., Seattle, Wash. Detachable plate, sheet, or cowl fastening device. 2,444,040, June 29.
- Gowland, John P., Woking, England. Sound producing toy. 2,436,886, Mar. 2.
- Gowland, John P., Woking, England. Printing appliance. 2,450,656, Oct. 5.
- Graae, Johan E. A., assignor to The Lummus Company, New York, N. Y. Catalyst feeder. 2,457,461, Dec. 28.
- Grabau, Martin: *See*—
Land, Edwin H., and Grabau.
- Grabau, William C., Brighton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Self-synchronous controlled motor system. 2,448,025, Aug. 31.
- Grabb, Alice H., assignee: *See*—
Fears, Margo S.
- Grable, Donovan B., Long Beach, and J. M. Jackson, Santa Monica, Calif. Pipe tongs. 2,453,369, Nov. 9.
- Graboi, Michael, New York, N. Y. Slide fastener. 2,440,086, Apr. 20.
- Grabus, Paul, Jr.: *See*—
Warth, Albin H., and Grabus.
- Grace, Bertram B., L. J. Ellison, H. S. Leman, C. W. Leng, and A. S. Bridge, assignors to Standard Telephones and Cables Limited, London, England. Manufacture of dry contact rectifiers. 2,449,986, Sept. 28.
- Grace, William J., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Visual vibrating reed stroboscope. 2,445,304, July 27.
- Grace, Worthington T., Upper Darby, Pa., and J. C. Muller, Jr., Little Falls, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Forming SO₂ by burning sulfur. 2,445,112, July 13.
- Gracey, James H., Springfield, Mass. Broach. 2,441,143, May 11.
- Gracla, Albert J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Recovery of finely divided polymer from aqueous emulsion. 2,435,778, Feb. 10.
- Gradolph, William F., Jr.: *See*—
Williams, Lynn A., Marshall, and Gradolph.
- Grady, Francis A., assignee, et al.: *See*—
Sabbe, Reinhardt N., and White.
- Grady, Jessie B., Pasadena, Calif. Propeller assembly. 2,438,661, Mar. 30.
- Grady, John O., Arab, Ala. Knockdown carrier carton. 2,446,084, July 27.
- Grady, Stephen S., New York, N. Y. Electric switch. 2,455,927, Dec. 14.
- Graebe, Herman C., Bridgewater, Mass., assignor to The Murray Company, Dallas, Tex. Linter gin. 2,438,047, Mar. 16.
- Graepel, William: *See*—
Myers, Lewis C., and Graepel.
- Graeske, William F., Clearwater, Fla. Vertically adjustable bookkeeper's table. 2,448,710, Sept. 7.
- Graf, Lloyd A., Wauseon, Ohio. Adaptable conveyer. 2,446,472, Aug. 3.
- Graff, Morris M., New Orleans, La. Mechanical stirrer. 2,452,923, Nov. 2.
- Graff, William Hastings, assignor to Henry Disston & Sons, Philadelphia, Pa. Pulpwood saw frame. 2,435,964, Feb. 17.
- Graff, William R., Plainfield, and W. S. Harmon, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Separating diacetone and monoacetone sorbose. 2,437,852, Mar. 16.
- Graff-Baker, William S., Rugby, England, assignor to General Electric Company. Regulator. 2,445,171, July 13.
- Graffin, John T., Lima, Peru. Dog collar. 2,453,010, Nov. 2.
- Graflex, Inc., assignee: *See*—
Hindline, Edson S.
Moore, Milford B.
- Graham, Adelbert M., Beverly Hills, Calif., assignor, by mesne assignments, to Thermoid Company, Trenton, N. J. Drill pipe protector applying and installing apparatus. 2,440,009, Apr. 20.
- Graham, Ansel H., Wesleyville, Pa., assignor to General Electric Company. Load measuring system. 2,444,252, June 29.
- Graham & Barker, assignee: *See*—
Graham, George C.
- Graham, Boynton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction product of n-substituted polyamides with hydroxylated materials and obtaining same. 2,456,271, Dec. 14.
- Graham, Boynton, Wilmington, Del., and H. S. Turner, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Article coated with N-alkoxymethyl polyamide and making same. 2,443,450, June 15.
- Graham, Carl: *See*—
LeTourneau, Robert G., Graham, and Huth.
- Graham, Carl E., Canton, Ohio. Carbon clamp. 2,438,803, Mar. 30.
- Graham Company, assignee: *See*—
Christensen, Sofus.
- Graham, David P.: *See*—
Peterson, Eric G., and Graham.
- Graham, David P., Westbury, assignor to Peabody Engineering Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,457,658, Dec. 28.
- Graham, Douglas H., Coventry, England, assignor to General Electric Company. Reversible motor drive. 2,435,440, Feb. 3.
- Graham, Edward K. P., Stockholm, Sweden. Vehicle having a body carried by two opposing journals on two wheel-supported frames. 2,434,693, Jan. 20.
- Graham, Eric B., assignor to Specialoid Limited, London, England. Piston cooling construction. 2,442,408, June 1.
- Graham, Erwin W., Lakewood, Ohio, assignor to Republic Flow Meters Company, Chicago, Ill. Regulating apparatus. 2,449,217, Sept. 14.
- Graham, George C., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J. Automatic washing machine. 2,453,707, Nov. 16.
- Graham, Harold M., Kenmore, assignor to Graham Manufacturing Co., Inc., New York, N. Y. Condenser. 2,453,662, Nov. 9.
- Graham, Harry C., assignor to Pittsburgh Screw & Bolt Company, Pittsburgh, Pa. Spliced lumber. 2,439,655, Apr. 13.
- Graham, John D., Santa Ana, Calif. Buffer. 2,447,748, Aug. 24.
- Graham, John S.: *See*—
White, Nelson J., and Graham.
- Graham, Joseph P., and H. L. Hearn, assignors to The Dow Chemical Company, Midland, Mich. Apparatus for high-speed welding of thermoplastic films. 2,457,659, Dec. 28.
- Graham, Kenneth E.: *See*—
Graham, Von B. and K. E.
- Graham, Luell M.: *See*—
Wolf, Robert A.
- Graham Manufacturing Co., Inc., assignee: *See*—
Graham, Harold M.
- Graham, Philip J., assignor, by mesne assignments, to Trig Corporation, Worcester, Mass. Hinge construction in molded receptacle. 2,435,272, Feb. 3.
- Graham, Philip J., assignor, by mesne assignments, to Trig Corporation, Worcester, Mass. Molded plastic receptacle hinge. 2,442,873, June 8.
- Graham, Robert P.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.
- Graham, Roy F., assignor to Stok-A-Fire Company, Inc., University City, Mo. Stoker provided with a metering control to determine fuel and air feed. 2,452,453, Oct. 26.
- Graham, Roy F., assignor to Stok-A-Fire Company, Inc., University City, Mo. Device for facilitating stoker installations. 2,452,454, Oct. 26.
- Graham, Thomas A., San Leandro, Calif. Advertising folder with picture frame and easel. 2,453,902, Nov. 16.
- Graham, Thomas E., assignor of one-third to L. J. Miller, Oklahoma City, Okla. Ladder attachment. 2,452,455, Oct. 26.
- Graham Transmissions, Inc., assignee: *See*—
Jones, Lloyd E.
- Graham, Von B., Austin, Tex., and K. E., Bedford, Ind. Shearing machine. 2,453,216, Nov. 9.
- Graham, William J., Rego Park, N. Y. Bookmark. 2,438,048, Mar. 16.

- Grahame, James H., Mount Vernon, assignor to The Texas Company, New York, N. Y. Conversion of synthetic hydrocarbons containing oxygenated compounds of hydrocarbons of high octane value. 2,452,121, Oct. 26.
- Grain, Mark, New York, N. Y. Gem. 2,447,407, Aug. 17.
- Gramspacher, Clarence U., Jasper, Ind. Apparatus for molding wood veneer. 2,441,699, May 18.
- Gramer, Stella E., Los Angeles, Calif. Street sign and reflector therefor. 2,442,807, June 8.
- Grams, Norman A., assignee, et al.: *See*—Warring, Alfred.
- Granat Bros., assignee: *See*—Siegel, Nathan.
- Granat, Leo, San Francisco, Calif. Engagement and wedding ring ensemble. 2,439,727, Apr. 13.
- Granath, Axel G., Chicago, assignor to H. S. Simpson, Evanston, Ill. Apparatus for aerating granular material. 2,447,575, Aug. 24.
- Granberry, Doyle S., Bellerose, assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetizing fixture. 2,442,808, June 8.
- Grand Rapids Metal Cabinet Company, assignee: *See*—Stevenson, Ralph, and Nadolsky.
- Grand Rapids Store Equipment Company, assignee: *See*—Vanderveld, Anthony.
- Grand Specialties Company, assignee: *See*—Sasgen, Anthony M.
- Grand Union Company, The, assignee: *See*—Shield, Lansing P.
- Grandin, James R., and E. F. Mechlin, Washington, D. C. Portable filter. 2,435,627, Feb. 10.
- Grandstaff, Otto D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Current rectifying system. 2,435,681, Feb. 10.
- Graner, Frank L.: *See*—Scott, Charles H., and Graner.
- Granger, Floyd R., San Pedro, Calif. Vise for clamping the end portions of cables or ropes. 2,433,899, Jan. 6.
- Granite City Steel Company, Inc., assignee: *See*—Veeder, Nicholas P.
- Granite Trust Company, executor: *See*—Smyser, James S.
- Granqvist, Carl-Erik, Lidings, assignor to Svenska Aktiebolaget Gasaccumulator, Lidings, near Stockholm, Sweden. Earth induction compass. 2,444,290, June 29.
- Grant, Allan C., Tracy, Calif. Flange spreader. 2,444,097, June 29.
- Grant, Charles H., assignee, et al.: *See*—Lawler, Frank P.
- Grant, Harry C., Jr., New York, and A. W. Uhl, Inwood, N. Y., assignors to Specialties Development Corporation, Bloomfield, N. J. Electrical detecting circuit and device for testing the same. 2,448,026, Aug. 31.
- Grant, James M. W., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Equalizer for platen presses or the like. 2,446,823, Aug. 10.
- Grant Oil Tool Company, assignee: *See*—Burt, Clarence E.
- Santiago, James J.
- Grant, Robert Y., Jr., Townsend, Mass. Whistle. 2,437,024, Mar. 2.
- Grant, Samuel, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Permanent waving of hair. 2,446,227, Aug. 3.
- Grant, Tom C., Oklahoma City, Okla. Hair curler. 2,452,456, Oct. 26.
- Grant, Watson R., Elgin, Ill. Combined coat hanger and necktie rack. 2,455,478, Dec. 7.
- Grant, William F., Miami, Fla. Lined rubber glove. 2,446,921, Aug. 10.
- Grantham, William H., Magnolia, Ark. Adjustable pipe fitting assembly. 2,450,195, Sept. 28.
- Grapp, Herbert L., Minneapolis, Minn. Method and apparatus for removing volatiles from articles involving the use of infra-red lamps. 2,446,822, Aug. 10.
- Grate, Earl L., Salem, Ohio. Rotary pump. 2,455,303, Nov. 30.
- Graton & Knight Company, assignee: *See*—Leseane, Sherman D.
- Gravenhorst, Everett, and R. E. Vaughn, assignors to The Glenn L. Martin Company, Middle River, Md. Self-bleeding hydraulic cylinder. 2,452,369, Oct. 26.
- Graver Tank & Mfg. Co., Inc., assignee: *See*—Galandak, John, and Kamp.
- Prager, Frank D.
- Graves, Arnold, Surbiton, and T. J. Dawes, Bridgefield, Farnham, assignors to Alltools, Limited, Brentwood, Middlesex, England. Ionization chambers, Geiger-Muller tubes, and the like. 2,449,697, Sept. 21.
- Graves, Charles H., Stockton, Calif. Slipper. 2,452,649, Nov. 2.
- Graves, Frederick, St. Louis, Mo. Electric water heater. 2,446,367, Aug. 3.
- Graves, Francis M., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Deodorizing petroleum oils and waxes. 2,455,670, Dec. 7.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Insulated reinforced circuit breaker contact bar. 2,439,084, Apr. 6.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Selective tripping of circuit breakers in a system. 2,439,165, Apr. 6.
- Graves, Herbert C., Jr., West Chester, W. H. Schymik, Oreland, and C. Bradbury, assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switchboard. 2,441,485, May 11.
- Graves, Michael, and A. Lankovski, assignors to M. B. Butler, Los Angeles, Calif. Self-loading truck. 2,457,039, Dec. 21.
- Graves, Reber, Glen Ellyn, Ill. Plate hanger. 2,438,436, Mar. 23.
- Graves, Theodore E., West Orange, assignor to The Will-colator Company, Elizabeth, N. J. Thermostatic switch. 2,441,192, May 11.
- Graves, Walter, Ann Arbor, Mich., assignor, by mesne assignments, to Federal Products Corporation, Providence, R. I. Guide sleeve construction for plug gauges. 2,454,159, Nov. 16.
- Gravina, Michel, and M. Hawadier, Paris, France, vested in the Attorney General of the United States. Clutch device. 2,447,007, Aug. 17.
- Gravinese, Frank A. V., Bronx, and I. G. Falla, Elmhurst, Long Island, N. Y. Screw lock for eyeglasses and the like. 2,445,172, July 13.
- Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal element and fabricating same. 2,439,466, Apr. 13.
- Gray, Alfred R., Bronx, N. Y. Theft alarm system for automobiles. 2,453,903, Nov. 16.
- Gray, Charles, St. Louis, Mo. Sharpening device. 2,443,821, June 22.
- Gray, Frank: *See*—Richards, Edward A., Ellison, and Gray.
- Gray, Frank, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Mounting for piezoelectric crystals. 2,457,145, Dec. 28.
- Gray, G. A., Company, The, assignee: *See*—Walter, John M.
- Gray, George F.: *See*—Pratt, Verneur E., and Gray.
- Gray, Gordon E., Western Springs, assignor to Grayhill, Chicago, Ill. Rotary selector switch. 2,436,750, Feb. 24.
- Gray, Griffin W., and C. B. Wade, Roanoke, Va. Bolt puller. 2,452,457, Oct. 26.
- Gray, Harold F., Jr.: *See*—Adelson, David E., and Gray.
- Gray, Harry C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Curing frame for resin impregnated stock sheets. 2,455,055, Nov. 30.
- Gray, Hugh W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alcohol insoluble nitrogen substituted polyamides. 2,451,672, Oct. 19.
- Gray, John E.: *See*—Rentschler, Harvey C., Lilliendahl, and Gray.
- Gray, John H., Chicago, Ill. Airplane air brake. 2,444,291, June 29.
- Gray, Kenneth R.: *See*—Schlosser, Paul H., and Gray.
- Gray, Lewis A.: *See*—Delbel, Cyril P., Mertes, and Gray.
- Gray, Max, New York, N. Y. Trousers. 2,457,462, Dec. 28.
- Gray-Mills Corporation: *See*—Morse, Normand W.
- Gray, Milton: *See*—Partee, Watkins W., and Gray.
- Gray, Orrin D., Chicago, Ill. Lock nut. 2,443,614, June 22.
- Gray, Richard E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric impulse signaling system. 2,441,963, May 25.
- Gray, Robert E., assignor of twenty-five per cent to W. A. Gray, Jr., Tacoma, Wash. Automatic parachute release. 2,435,649, Feb. 10.
- Gray, Thomas C., U. S. Navy. Cam actuated valve mechanism for fluid pressure engines. 2,440,259, Apr. 27.
- Gray Tool Company, assignee: *See*—Mueller, Robert A.
- Gray, Walter A., Jr., assignee: *See*—Gray, Robert E.
- Graybeal, Ella S., Great Falls, Mont. Device for administering anaesthetics. 2,455,757, Dec. 7.
- Graybill, Hershey R.: *See*—Cootes, Harold E., and Graybill.
- Graybill, Howard W., Honey Brook, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double throw switch. 2,456,502, Dec. 14.
- Graybill, Howard W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-pressure contact switch. 2,453,011, Nov. 2.
- Graybill, Howard W., and P. Olsson, Wilkingsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,436,296, Feb. 17.
- Graybill, Kenneth W., Elmhurst, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercommunicating telephone system. 2,448,428, Aug. 31.
- Grayhill, assignee: *See*—Gray, Gordon E.

- Grayson Heat Control, Ltd., assignee: *See*—
Solovieff, George B.
- Great American Industries, Inc., assignee: *See*—
Hellmann, Reinhard K.
- Great American Universal Aircraft Loading Service, assignee: *See*—
Noville, George O.
- Great Lakes Carbon Corporation, assignee: *See*—
Gamson, Bernard W.
- Great Lakes Spring Corporation, assignee, et al.: *See*—
Van Hove, Desire H.
- Great Lakes Steel Corporation, assignee: *See*—
Hall, William J.
Hall, William J., and Crowe.
- Great Northern Paper Company, assignee: *See*—
Daniell, Warren F.
- Greaves, Albert H., London, assignor of forty per cent to R. V. Short, Haxby, England. Gas burner. 2,450,790, Oct. 5.
- Greaves, Raymond, Scarborough, England. Vehicle suspension. 2,445,219, July 13.
- Grebbs, Robert F., Boise, Idaho. Automatic fluid controlled transmission. 2,454,694, Nov. 23.
- Grebmeier, Joseph, Menlo Park, Calif. Rotor for ultracentrifuge machines. 2,447,330, Aug. 17.
- Grebrowiec, Michael J., Kansas City, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Packaging machine. 2,451,617, Oct. 19.
- Grecco, Louis P., Portland, Oreg. Divisible carton. 2,448,795, Sept. 7.
- Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Grinding wheel dresser. 2,437,599, Mar. 9.
- Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Sickle blade grinder. 2,456,827, Dec. 21.
- Greenen, John G.: *See*—
Bouffard, Joseph A., and Greenen.
- Green, Albert, Chislehurst, England. Special flour and manufacture thereof. 2,441,409, May 11.
- Green, Alex E. S., Flushing, N. Y., assignor to California Institute Research Foundation, Pasadena, Calif. Directionally sensitive firing error indication. 2,448,587, Sept. 7.
- Green, Arthur, Coventry, England. Machine for producing screwthreads. 2,456,407, Dec. 14.
- Green, Arthur D., Cranford, N. J., assignor to Standard Oil Development Company. Stripping of polymer latices. 2,451,332, Oct. 12.
- Green, Arthur D., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Manufacture of high molecular weight polymers. 2,455,671, Dec. 7.
- Green & Berry, Inc., assignee: *See*—
Berry, Thomas H.
- Green, Charles E., assignee: *See*—
Frederick, John T.
- Green, Charles P., Chicago, Ill. Device for clamping and locking work in jigs or fixtures. 2,456,183, Dec. 14.
- Green, Clyde H., Macedonia, Ohio. Pivoted outer-jaw pipe wrench. 2,457,223, Dec. 28.
- Green, David, assignor to Esmco Auto Products Corp., Brooklyn, N. Y. Cigarette package case. 2,435,826, Feb. 10.
- Green, Edward A., assignor to Security Machine Products Company, Chicago, Ill. Nut. 2,440,944, May 4.
- Green, Edwin F., Ashland, Ky. Tire recapping machine. 2,440,087, Apr. 20.
- Green, Floyd S.: *See*—
Adam, Frank, and Green.
- Green, Floyd S., assignor to Frank Adam Electric Company, St. Louis, Mo. Latching or tripping mechanism of circuit breakers. 2,439,511, Apr. 13.
- Green, George W. A., and J. Bujak, Staines, and R. E. Rutherford, Windsor, assignors to Lagonda Limited, Staines, Middlesex, England. Hydraulic governor. 2,445,113, July 13.
- Green, Glenn M., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,442,683, June 1.
- Green, Harry J., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Electroplating bath for silver. 2,440,672, May 4.
- Green, Herman, Garden City, assignor to City Tank Corporation, Corona, Long Island, N. Y. Sign stand for displaying posters. 2,454,648, Nov. 23.
- Green, Isaac H. C., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,451,214, Oct. 12.
- Green, James H., West Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control of swaging temperatures. 2,438,160, Mar. 23.
- Green, Jay D.: *See*—
Maier, Curtis E., and Green.
- Green, Lee B., Lakewood, Ohio. Metal-bending machine with hold-down means to prevent die deflection. 2,446,824, Aug. 10.
- Green, Lee B., Lakewood, assignor to Designers for Industry, Inc., Cleveland, Ohio. Oscillating fan heater. 2,449,377, Sept. 14.
- Green, Marty, and I. Sheroff, Brooklyn, N. Y. Apparatus for shaping and forming leather. 2,453,987, Nov. 16.
- Green, Robert H., Kalamazoo, Mich. Tractor hitch. 2,446,584, Aug. 10.
- Green, Thomas F., Jr., Ormond Beach, Fla. Electric heater for tanks. 2,448,669, Sept. 7.
- Green, Thomas L., Oklahoma City, Okla. Building block form. 2,440,582, Apr. 27.
- Green, Walter H., Batavia, assignor to Inflico Incorporated, Chicago, Ill. Time duration pulse telemetering system. 2,443,351, June 15.
- Green, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pressure-detecting covering. 2,440,198, Apr. 20.
- Green, William G., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Apparatus for well logging. 2,441,065, May 4.
- Greenan, Wirt G., Revere, Mass. Making safety shoes. 2,457,463, Dec. 22.
- Greenberg, Bernard, New York, N. Y. Necktie. 2,448,307, Aug. 31.
- Greenberg, Edward H., St. Louis, Mo. Shoe tree. 2,438,748, Mar. 30.
- Greenberg, George, New York, N. Y. Suspending device. 2,448,588, Sept. 7.
- Greenberg, Samuel R., New York, N. Y. Educational device for teaching correct penmanship. 2,456,632, Dec. 21.
- Greenbowe, James W., executor: *See*—
Madden, Harry D.
- Greene, Arthur M., Jr., Princeton, N. J., and W. Ernst, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Metal-stretching press. 2,437,092, Mar. 2.
- Greene, David, assignor to Esmco Auto Products Corporation, Brooklyn, N. Y. Combination ladder stool. 2,438,212, Mar. 23.
- Greene, Edgeworth, Upper Montclair, N. J., and W. H. Forrest, Brooklyn, N. Y. Bottle closure. 2,445,395, July 20.
- Greene, G. G., Manufacturing Corporation, assignee: *See*—
Greene, Glenn G., Sr.
- Greene, George B., Los Angeles, assignor to L. M. Harvey, La Canada, Calif. Radio apparatus of replaceable standardized units. 2,446,701, Aug. 10.
- Greene, Glenn G., Sr., assignor to G. G. Greene Manufacturing Corporation, Warren, Pa. Brace for floor brushes. 2,442,684, June 1.
- Greene, Harry R., South Bend, Ind. Tool operating attachment. 2,436,692, Feb. 24.
- Greene, James B.: *See*—
Kubidge, David W., Manning, Greene, and Hood.
- Greene, John H., Little Rock, Ark. Illuminated walking stick. 2,435,650, Feb. 10.
- Greene, Otto W., Brighton, assignor to The Pfaunder Co., Rochester, N. Y. Corrosion resisting valve. 2,454,160, Nov. 16.
- Greene, Raymond J., Sebring, Ohio. Radiant oven and broiler burner. 2,438,996, Apr. 6.
- Greene, Thom R.: *See*—
White, Gifford E., Campbell, Hauser, and Greene.
- Greenfield, Frank L.: *See*—
Brandes, Samuel A., and Greenfield.
- Greenhalgh, John: *See*—
Taylor, Maurice K., and Greenhalgh.
- Greenland, Leonard S., Weston-super-Mare, assignor to H. M. Hobson Limited, London, England. Fuel injection system for internal-combustion engines. 2,438,662, Mar. 30.
- Greenland, Leonard S., Weston-super-Mare, assignor to H. M. Hobson Limited, London, England. Fuel injection system for internal-combustion engines. 2,438,663, Mar. 30.
- Greenland, Leonard S., Weston-super-Mare, assignor to H. M. Hobson Limited, London, England. Fuel injection system for internal-combustion engines. 2,449,468, Sept. 14.
- Greenland, Miles G., Philadelphia, Pa. Gyroscopic instrument. 2,435,581, Feb. 10.
- Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,437,517, Mar. 9.
- Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Temperature control for engines. 2,438,161, Mar. 23.
- Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Detent means. 2,451,730, Oct. 19.
- Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Speed clutch regulation of fan and pump for cooling systems. 2,452,650, Nov. 2.
- Greenlee, Harry R., assignor to The Studebaker Corporation, South Bend, Ind. Lock retainer for bearings. 2,443,501, June 15.
- Greenlee, Sylvan O., assignor to Devoe & Reynolds Company, Inc., Louisville, Ky. Synthetic drying compositions. 2,456,408, Dec. 14.
- Greenmun, Leo S., Cleveland, Ohio. Window regulator for automobiles and the like. 2,448,796, Sept. 7.
- Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Phase and amplitude control circuit for electronic function generators. 2,442,597, June 1.
- Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Correction device for electronic function generators. 2,455,672, Dec. 7.

- Greensfelder, Bernard S.: *See*—
Archibald, Raymond C., Greensfelder, and Eggertsen.
- Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Indicating dial for resistance apparatus. 2,437,355, Mar. 9.
- Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Device for making electrical-conductivity test on tubular articles. 2,440,044, Apr. 20.
- Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Electric contact device. 2,440,335, Apr. 27.
- Greenslade, Grover R., Scott Township, Allegheny County, assignor to Flannery Bolt Company, Bridgeville, Pa. Galvanometer mounting. 2,442,355, June 1.
- Greenstreet, Charles J., Summit, N. J., assignor to Univerae Holding Corporation, New York, N. Y. Anti-fouling paint compositions and making the same. 2,443,033, June 8.
- Greentree, Alexander, Paulsboro, N. J., assignor, by mesne assignments, to L. Caldwell, Los Angeles, Calif. Decolorizing vegetable oils with ferric salts and silicates. 2,450,549, Oct. 5.
- Greenwald, Eugene J., Brooklyn, N. Y. Concealed bed lighting fixture. 2,443,561, June 15.
- Greenwald, Harold A.: *See*—
Price, Nathan C., and Greenwald.
- Greenwald, Willard F., Woodmere, assignor to Philip Morris & Company, Ltd., Inc., New York, N. Y. Apparatus for examining living tissue. 2,437,916, Mar. 16.
- Greenwald, William C., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of tetrachlorethylene. 2,456,184, Dec. 14.
- Greenwell, Earl E., Vallejo, Calif. Contour transfer device. 2,445,324, July 20.
- Greenwood, Ernest L.: *See*—
Bell, Angus S., and Greenwood.
- Greenwood, George, Leeds, assignor to Blackburn Aircraft Limited, Brough, England. Reciprocating bender for making successive bends in metal tubes or rods. 2,436,642, Feb. 24.
- Greenwood, Ida, executrix: *See*—
Greenwood, William E.
- Greenwood, William E., deceased, Pasadena, Calif.; I. Greenwood, executrix of said W. E. Greenwood. Controllable pitch propeller. 2,443,239, June 15.
- Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Pot burner having segmental air directing means. 2,452,924, Nov. 2.
- Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Elongated pot burner and flame ring. 2,452,925, Nov. 2.
- Greffé, André, La Bathie, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Aciéries Electriques d'Ugine, Paris, France. Method for deironing chromium ore. 2,448,882, Sept. 7.
- Greger, Herbert H., Washington, D. C. Phosphate cements. 2,450,952, Oct. 12.
- Greger, Herbert H., Washington, D. C. Aluminum phosphate binder and preparing the same. 2,454,056, Nov. 16.
- Greger, Herbert H., Washington, D. C. Preparing a mineral binder. 2,455,758, Dec. 7.
- Greger, Herbert H., Washington, D. C., and R. F. Remler, Lakewood, Ohio; said Remler assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Treating glass wool and product resulting therefrom. 2,444,347, June 29.
- Gregg, Charles L., Chittenango, N. Y. Vehicle wheel chock. 2,441,627, May 18.
- Gregg, David, Caldwell, assignor to Bendix Aviation Corporation, Teterboro, N. J. System and means for returning leakage fluid to a main fluid supply. 2,438,245, Mar. 23.
- Gregg, David, Caldwell, and H. Troeger, Ramsey, assignors to Bendix Aviation Corporation, Teterboro, N. J. Scavenging oil system for engines. 2,453,217, Nov. 9.
- Gregg, George F., Yakima, Wash. Tuning key. 2,448,308, Aug. 31.
- Gregoire, Horace W., Boston, assignor to O. W. Wikstrom, Newton, Mass. Machine for setting up box blanks. 2,437,157, Mar. 2.
- Gregor, Edmund L.: *See*—
Hagen, John A., Prendergast, and Gregor.
- Gregory, Alfred T., Manhasset, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder construction. 2,456,272, Dec. 14.
- Gregory, Alfred T., Massapequa, and C. C. De Pew, assignors to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Dynamic damper support. 2,448,973, Sept. 7.
- Gregory, Eli B., Millington, N. J., assignor, by mesne assignments, to Gregory Motors, Inc., Brooklyn, N. Y. Electromotor. 2,439,248, Apr. 6.
- Gregory, Ernest, assignee: *See*—
Thompson, Frank W.
- Gregory, Everett E., Kansas City, Mo. Tobacco pipe. 2,441,266, May 11.
- Gregory, James: *See*—
Foster, George A. R., and Gregory.
- Gregory, James, Woking, England. Parachute harness. 2,436,167, Feb. 17.
- Gregory, John J., Creighton, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing synthetic bristles for brushes. 2,455,759, Dec. 7.
- Gregory Motors, Inc., assignee: *See*—
Evans, Charles S.
Gregory, Eli B.
- Gregory, Roy L., Everett, Wash. Wrench provided with cam-actuated self-tightening jaws. 2,441,144, May 11.
- Gregory, Sherlie E., Aurora, Ill. Sheet feeding mechanism. 2,436,168, Feb. 17.
- Gregory, Walter A.: *See*—
Porter, Henry D., Weissberger, and Gregory.
- Gregory, Whitney J., Peoria, Ill. Automatic machine for making beaded cups. 2,446,649, Aug. 10.
- Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Dry mixes for use in electrolytic recording. 2,442,596, June 1.
- Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,451,331, Oct. 12.
- Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Morpholine salts of sulfonated azo dye components and their preparation. 2,453,430, Nov. 9.
- Gregurich, Matthew: *See*—
Stuckey, Warren A., and Gregurich.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp and method of manufacture. 2,449,650, Sept. 21.
- Greiner, Alfred, Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Circular electric lamp. 2,453,986, Nov. 16.
- Greiner, Carl F.: *See*—
Harrison, John F., and Greiner.
- Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Road roller frame protecting motors and radiators from dust. 2,442,563, June 1.
- Greisman, Hyman, assignor to Monroe Paper Box Co. Inc., New York, N. Y. Reel. 2,436,861, Mar. 2.
- Greitzer, Meyer, Los Angeles, Calif. Chair. 2,440,470, Apr. 27.
- Greick, William P. M., Baltimore, Md., assignor of one-half to L. J. Firestone, Arlington, Va. Food product and method of production. 2,450,335, Sept. 28.
- Grenby Manufacturing Company, The, assignee: *See*—
Nicholas, Andrew F.
- Grenot, Leo D., Oakland, assignor to Shell Development Company, San Francisco, Calif. Electrolytic preparation of corrosion testing elements. 2,453,904, Nov. 16.
- Greppin, Ernest H., assignor to Wilmot Castle Company, Rochester, N. Y. Dental operating lamp construction. 2,437,516, Mar. 9.
- Gresham, Thomas L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of substituted acids from lactones. 2,449,987, Sept. 28.
- Gresham, Thomas L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of polycarboxylic acids. 2,449,988, Sept. 28.
- Gresham, Thomas L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-thio carboxylic acids. 2,449,989, Sept. 28.
- Gresham, Thomas L., and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Beta-acyloxy carboxylic acid compounds and methods of preparing the same. 2,449,990, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-aroxy carboxylic acids. 2,449,991, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-thio carboxylic acid compounds. 2,449,992, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-halo carboxylic acids. 2,449,993, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Beta acyloxy acyl halides from beta lactones. 2,449,994, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of esters of alpha beta unsaturated carboxylic acids. 2,449,995, Sept. 28.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of sulfur containing dicarboxylic acids. 2,449,996, Sept. 28.
- Gresham, William F.: *See*—
Naibach, John R., and Gresham.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers of linear formals. 2,438,909, Apr. 6.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing dialkyl esters of dicarboxylic acids. 2,439,425, Apr. 13.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Conversion of saturated aliphatic carboxylic amides to nitriles. 2,439,426, Apr. 13.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of nitriles. 2,443,420, June 15.

- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ether esters. 2,449,471, Sept. 14.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N-alkyl diethanolamines. 2,451,942, Oct. 19.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of nitriles. 2,452,187, Oct. 26.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Succinic ester synthesis. 2,457,111, Dec. 28.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polydioxolane. 2,457,224, Dec. 28.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acrylates. 2,457,225, Dec. 28.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of choline chloride. 2,457,226, Dec. 28.
- Gresham, William F., R. E. Brooks, and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of aldehydes. 2,437,600, Mar. 9.
- Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic acid synthesis. 2,448,368, Aug. 31.
- Gresham, William F., Lindamere, and R. E. Brooks, Edgemoor Terrace, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyformals. 2,449,469, Sept. 14.
- Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of organic oxygen-containing compounds. 2,449,470, Sept. 14.
- Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of polyhydroxy compounds. 2,451,333, Oct. 12.
- Gresham, William F., Lindamere, and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-tertiary alkyl amides and preparing same. 2,457,660, Dec. 28.
- Gret, Charles A., Wolverhampton, England. Shock absorbing device for aircraft and other power-driven vehicles. 2,445,139, July 13.
- Greth, Douglas T.: *See*—
Riemenschneider, Edmund W., and Greth.
- Gretter, Joseph C., Norwalk, Conn. Cradle mold for molding concrete blocks. 2,442,685, June 1.
- Greubel, Alfred H., Afton, assignor to Z B Inc., St. Louis, Mo. Airplane wheel incorporating a low-pressure fluid motor. 2,435,827, Feb. 10.
- Greubel, Paul W.: *See*—
Wolfe, Herbert J., and Greubel.
- Grew, Raymond K., Silverton, Tex. Two-part clothespin with pivot joint. 2,456,409, Dec. 14.
- Grey, David S., assignor to Polaroid Corporation, Cambridge, Mass. Optical lens system. 2,440,088, Apr. 20.
- Grey, David S., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Image forming optical lens system athermalized for focal point. 2,453,218, Nov. 9.
- Grey, Ralph E., and E. M. Gavin, Osborn, Ohio. Fuel supply system for aircraft. 2,440,262, Apr. 27.
- Grib, Boris F., Brooklyn, assignor to Times Facsimile Corporation, New York, N. Y. Facsimile recorder control circuit. 2,453,905, Nov. 16.
- Gribbins, Myers F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of fats and oils. 2,457,227, Dec. 28.
- Gribble, William A., assignor of one-half to C. Libman, Los Angeles, Calif. Micrometer having a nonrotatable spindle. 2,441,317, May 11.
- Griebat, Herman, Lodi, Calif. Vehicle wheel. 2,457,365, Dec. 28.
- Grieco, Rocco F., Millburn, N. J. Threading tool grinding fixture. 2,448,309, Aug. 31.
- Grieg, Donald D.: *See*—
Deloraine, Edmond M., and Grieg.
Labin, Emile, and Grieg.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generator system. 2,434,920, Jan. 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse amplitude selective system. 2,434,921, Jan. 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse amplitude selector system. 2,434,922, Jan. 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generator. 2,438,910, Apr. 6.
- Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Monitoring circuit. 2,440,263, Apr. 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Modulator system. 2,440,264, Apr. 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Compensating circuit. 2,441,964, May 25.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Modulating system. 2,444,437, July 6.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generation method. 2,444,438, July 6.
- Grieg, Donald D., Forest Hills, A. Frum, New York, and L. Dubin, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Beacon receiver means. 2,444,439, July 6.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse time modulation multiplex receiver. 2,445,775, July 27.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Static reducing pulse receiver. 2,448,027, Aug. 31.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse multiplex communication system. 2,454,792, Nov. 30.
- Grieshaber, Emil: *See*—
Froehlich, Kurt, and Grieshaber.
Grieshaber, Emil, and K. V. Anderson, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Internal-combustion engine. 2,444,440, July 6.
- Griesemer, Raymond H.: *See*—
Williamson, Hilding V., and Griesemer.
- Griesinger, William K., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Fat splitting. 2,442,925, June 8.
- Griest, Edward M.: *See*—
Marisic, Milton M., and Griest.
- Griest, Raymond H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric motor control apparatus. 2,455,247, Nov. 30.
- Griff, Robert D.: *See*—
Walz, Claude W., Rasmussen, and Griff.
- Griffin, Emma E., New York, N. Y. Bootee. 2,444,822, July 6.
- Griffin, Frank H., Wawa, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying rayon thread by high-frequency electric current. 2,433,842, Jan. 6.
- Griffin, Harry M., Webster Groves, Mo., assignor to Curtiss-Wright Corporation. Control for machine tools. 2,437,813, Mar. 16.
- Griffin, John B., Oakville, and A. W. Hagan, Stratford, Conn., assignors to United States Rubber Company, New York, N. Y. Locking slider for slide fasteners. 2,450,550, Oct. 5.
- Griffin, Lindsay I., Baton Rouge, La., and C. E. Jahnig, Roselle, N. J., assignors to Standard Oil Development Company. Hydrocarbon synthesis. 2,436,568, Feb. 24.
- Griffin, Richard A., administrator: *See*—
Griffin, Samuel P.
- Griffin, Samuel P., Indianapolis, Ind.; R. A. Griffin, administrator of said Samuel P. Griffin, deceased. House-moving truck. 2,434,999, Jan. 27.
- Griffith, Alan A., and D. Eyre, assignors to Rolls-Royce Limited, Derby, England. Bearing. 2,436,768, Feb. 24.
- Griffith, Le Roy A., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,447,331, Aug. 17.
- Griffith, Richard W.: *See*—
Hall, Frederick M., and Griffith.
- Griffith, Thomas R.: *See*—
Becker, Joseph A., Shive, and Griffith.
- Griffith, William, South Pasadena, Calif. Machine for cementing shoe soles. 2,442,167, May 25.
- Griffith, William B., Stone Harbor, N. J. Dry pipe valve. 2,447,174, Aug. 17.
- Griffiths, Frederick J., Massillon, Ohio, assignor to Chromium Mining and Smelting Corp., Limited, Sault Ste. Marie, Ontario, Canada. Open-hearth process. 2,446,759, Aug. 10.
- Griffiths, Ronald E., Cleveland Heights, and G. T. Spare, East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Quench-hardening thermally hardenable steel. 2,441,628, May 18.
- Griffitts, H. V., trustee, assignee, et al.: *See*—
Ruddock, William.
- Grigsby, Chester E., Washington, D. C., assignor to American Steel Foundries, Chicago, Ill. Ride control truck. 2,444,009, June 22.
- Grigsby, William E.: *See*—
Gresham, William F., and Grigsby.
- Grigsby, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing esters. 2,443,451, June 15.
- Grim, Forrest D., Allentown, Pa. Window sash control. 2,439,046, Apr. 6.
- Grime, Edward P., Los Angeles, Calif. Lifting apparatus. 2,433,900, Jan. 6.
- Grimes, Frank G., assignee: *See*—
Twombly, Harry D.
- Grimson, Samuel B., assignor to Color Research Corporation, New York, N. Y. Color camera. 2,445,668, July 20.
- Grimson, Samuel B., assignor to Color Research Corporation, New York, N. Y. Photography in additive color by the controlled utilization of chromatic aberrations in lenses. 2,451,164, Oct. 12.
- Grimham, Fred, Coral Gables, Fla. Deodorizer for toilet bowls. 2,444,441, July 6.
- Grinnell Corporation, assignee: *See*—
Donkersley, Albert B., and Welshman.
Linker, William L., and Welshman.
Loepsinger, Albert J.
Welshman, James R.

- Grinnell, Frank H., Cambridge, and C. A. Sears, East Weymouth, Mass. Upper fifth wheel king pin lock. 2,440,744, May 4.
- Grinstead, Carl E., and R. N. Frawley, assignors to General Motors Corporation, Detroit, Mich. Pressure indicator. 2,439,047, Apr. 6.
- Griplock, Inc., assignee: *See—*
Embree, Harold K., and Watt.
Sholtis, John, Jr., and Embree.
- Grisanti, Amedeo D., Mount Vernon, N. Y. Trouser waist grip belt. 2,439,339, Apr. 6.
- Grisanti, Frank J., Forrestville, N. Y. Apparatus for use in applying wire to rows of plants. 2,454,870, Nov. 30.
- Griscom Russell Company, The, assignee: *See—*
Bisch, William.
Bruegger, Ernest.
Wallace, Robert M.
- Grisé, Alfred L., assignor to Gilbert & Barker Manufacturing Company, Springfield, Mass. Liquid dispensing apparatus. 2,438,698, Mar. 30.
- Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatic shut-off valve for hose. 2,445,524, July 20.
- Grissinger, George G., Wilkinsburg, T. Lindstrom, Edge-wood, and J. Sandin, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,435,305, Feb. 3.
- Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Power-operated check valve. 2,447,408, Aug. 17.
- Gritz, Henry: *See—*
Gassel, William, and Gritz.
- Groat, Keith P., assignor to York Corporation, York, Pa. Control of convertible evaporator-condensers for use in refrigerative circuits. 2,451,385, Oct. 12.
- Groat, Marshall O., assignor to Mid-West Wood Products Company, Bad Axe, Mich. Building unit of generally right triangular form. 2,444,133, June 29.
- Grobel, Lloyd P.: *See—*
Snell, De Witt S., and Grobel.
- Grobner, Walter, Wallington, N. J., assignor to Botany Worsted Mills. Making practice golf balls. 2,450,474, Oct. 5.
- Groboski, John P., River Forest, and J. G. Groboski, Chicago, Ill. Adjustable angular bracket means for sun visors. 2,447,246, Aug. 17.
- Groboski, Joseph G.: *See—*
Groboski, John P. and J. G.
- Groen, Willem, and R. F. Onsrud, assignors to Onsrud Machine Works, Inc., Chicago, Ill. Swarf milling machine. 2,451,548, Oct. 19.
- Groetchen, Richard, Chicago, Ill. Cooker. 2,438,699, Mar. 30.
- Groetchen, Richard, Chicago, Ill. Rotary cooker. 2,449,937, Sept. 21.
- Groff, Torjus, Brinsmade, N. Dak. Hardness and thickness gauge. 2,435,348, Feb. 3.
- Grogan, Charles H., West Falls Church, Va., and C. E. Crede, Winchester, Mass. Shock gauge. 2,454,793, Nov. 30.
- Grogan, Elmer H., Danville, Ill. Card feeding mechanism. 2,444,504, July 6.
- Grogan, Elmer H., Danville, Ill. Contact printing frame for automatic printing machines. 2,444,505, July 6.
- Groh, Melvin S., Preston, Ontario, Canada. Opposed roll crusher with feed means. 2,442,740, June 1.
- Gromer, Richard F., New York, N. Y. Manifold check duplicating device. 2,442,269, May 25.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train emergency alarm apparatus. 2,456,871, Dec. 21.
- Gronemeyer, Erich, Pompton Plains, and S. Cherba, Towana, N. J. Measuring device with distortable portioning means. 2,446,085, July 27.
- Gronningsaeter, Anton M., New York, N. Y., assignor to Falconbridge Nickel Mines, Limited, Toronto, Ontario, Canada. Recovering metal values from slags. 2,438,911, Apr. 6.
- Gronningsaeter, Anton M., New York, N. Y., and B. G. Hommeren, Kristiansand S., Norway, assignors to Falconbridge Nickel Mines, Limited, Toronto, Ontario, Canada. Electrolytic refining of nickel. 2,450,426, Oct. 5.
- Grontkowski, R. B., assignee et al.: *See—*
Lange, Ferdinand H.
- Grönwall, Anders J. T., and B. G.-A. Ingelman, Uppsala, assignors to Aktiebolaget Pharmacia, Stockholm, Sweden. Manufacture of infusion and injection fluids. 2,437,518, Mar. 9.
- Groombridge, Walter H.: *See—*
Miller, Samuel A., and Groombridge.
- Groppell, Eugene, New Orleans, La. Hatch cover. 2,447,906, Aug. 24.
- Grosch, David, Kansas City, Mo. Music instruction device for use with the piano. 2,452,748, Nov. 2.
- Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic switching circuits. 2,434,153, Jan. 6.
- Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic counting chain with decimal indicators. 2,436,963, Mar. 2.
- Grose, Joseph, assignee: *See—*
Grose, Leo L.
- Grose, Leo L., Attica, assignor of twenty-five per cent to J. Grose, Niagara Falls, N. Y. Surgical instrument. 2,457,464, Dec. 28.
- Grosjean, Harry W., and E. M. A. Sizer, Milwaukee, Wis., and A. Zinda, Portland, Oreg. Mud and snow hooks for vehicle tires. 2,445,913, July 27.
- Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, Canton, Ohio. Two-temperature intermittently operating refrigerator. 2,444,698, July 6.
- Gross, Frederick B.: *See—*
Helber, Carlyle L., and Gross.
- Gross, George L., Hartford, Conn. Finger cot. 2,434,317, Jan. 13.
- Gross, Henry R., Chicago, Ill. Flasher. 2,434,070, Jan. 6.
- Gross, Henry R., Chicago, Ill. Flasher. 2,440,265, Apr. 27.
- Gross, Henry R., Chicago, Ill. Combined thermal and magnetic flasher switch. 2,451,618, Oct. 19.
- Gross, Oswald M., Detroit, Mich. Wrench with spring closed jaws and handle and pawl feed. 2,452,849, Nov. 2.
- Gross, Peter F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pyridine carbonyl amides of the benzene series. 2,439,728, Apr. 13.
- Gross, Thomas A. O., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,448,028, Aug. 31.
- Gross, Thomas A. O., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency discriminating circuits. 2,448,526, Sept. 7.
- Gross, William E., Joppa, Md. Canister. 2,442,356, June 1.
- Grosser, Christian E., Warwick, assignor, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I. Variable displacement gear pump. 2,457,465, Dec. 28.
- Grosser, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerizing vinyl alkyl ethers. 2,457,661, Dec. 28.
- Grossman Music Company, assignee: *See—*
Thompson, Josephus.
- Grossmann, Paul, Binningen, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. 1-amino-2-hydroxyalkylthio-4-arylamino - anthraquinones. 2,434,765, Jan. 20.
- Grossmann, Paul, Binningen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Water-soluble anthraquinone dyes. 2,441,355, May 11.
- Grosso, Patrick P., Brooklyn, N. Y. Apparatus for reducing and holding fractures in position. 2,443,106, June 8.
- Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion process. 2,436,922, Mar. 2.
- Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of sulfur containing hydrocarbons. 2,450,724, Oct. 5.
- Grote, Henry W., Downers Grove, R. L. Swoope, Berwyn, and C. S. Brearley, Jr., Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Producing high boiling polymers. 2,457,146, Dec. 28.
- Grote Manufacturing Company, The, assignee: *See—*
Ryder, Charles D.
- Grottnes, Carl C., Park Ridge, Ill. Expanding die for sizing, curling, and beading metal drums. 2,435,306, Feb. 3.
- Grouse, Richard A., assignor to A. H. Hunt Limited, London, England. Demetallizing metallized paper. 2,435,441, Feb. 3.
- Grove, Cornelius S., Sr., J. V. McKinney, and S. Pittman, assignors to G. and H. Hosier Company, Inc., Hickory, N. C. Wrap stripe attachment for knitting machines. 2,451,673, Oct. 19.
- Grover, Elliott E.: *See—*
Kruck, Ralph E., and Grover.
- Grover, Lyndon V., Los Angeles, Calif. Easel for colored photographic printing. 2,453,431, Nov. 9.
- Grover, Philip D., Chicago, Ill. Tie and tie plate assembly. 2,435,390, Feb. 3.
- Groves, Albert L., Farmington, Calif. Sheet metal rolling machine. 2,450,041, Sept. 28.
- Groves, Martin V., Brooklyn, assignor of one-half to A. Wilde and A. Hull-Ryde, jointly, Bayside, N. Y. Fluid pressure operated actuating device. 2,451,334, Oct. 12.
- Groves, Martin V., Brooklyn, assignor of one-half to A. Wilde and A. Hull-Ryde, jointly, Bayside, N. Y. Control valve means for power-operated hydraulic motive means. 2,451,335, Oct. 12.
- Grubb, John C.: *See—*
Wilson, Evan F., Grubb, and Fowler.
- Grubbs, Edward G., Los Angeles, Calif. Rotary valve for internal-combustion engines. 2,439,540, Apr. 13.
- Grube, William L., assignor to General Motors Corporation, Detroit, Mich. Electroplating apparatus. 2,456,185, Dec. 14.
- Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Ball point pen. 2,449,218, Sept. 14.
- Grubola, Edward F., assignee: *See—*
Kirschbaum, Abe F.
- Grubola, Henry M., assignee: *See—*
Kirschbaum, Abe F.
- Gruen Watch Company, The, assignee: *See—*
Hall, Donald S.

- Gruenberg, Ivor J., Pleasant Ridge, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Sprag. 2,453,506, Nov. 9.
- Gruenberg, Ivor J., Pleasant Ridge, and S. G. Brady, Royal Oak, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Gear grinding machine. 2,456,410, Dec. 14.
- Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Pedestal type gyratory crusher. 2,438,049, Mar. 16.
- Gruendler Crusher & Pulverizer Company, assignee: *See*—Latture, James L.
- Grueneberg, Willard G.: *See*—Grueneberg, William C. and W. G.
- Grueneberg, William C. and W. G., Cincinnati, Ohio. Display structure with removable indicia-bearing inserts. 2,445,878, July 27.
- Gruenwald, Andrew, assignor to Novelty Jewelry Corporation, New York, N. Y. Apparatus for forming glass beads and the like articles. 2,456,697, Dec. 21.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Press for propeller blade sections. 2,448,179, Aug. 31.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Grinding propeller shanks. 2,452,926, Nov. 2.
- Grum, Stanley J., Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Grease interceptor. 2,453,219, Nov. 9.
- Grün, Adolf, assignor to J. R. Geigy A. G., Basel, Switzerland. Manufacture of 2:4-diamino 1:3:5-triazines. 2,437,691, Mar. 16.
- Grün, Adolf, deceased, by F. Grün, administrator, assignor to J. R. Geigy A. G., Basel, Switzerland. Guanamine compounds. 2,447,175, Aug. 17.
- Grün, Adolf, deceased, by F. Grün, administrator, assignor to J. R. Geigy A. G., Basel, Switzerland. Guanamine compounds. 2,447,176, Aug. 17.
- Grün, Adolf, deceased, by F. Grün, administrator, assignor to J. R. Geigy A. G., Basel, Switzerland. Guanamine compounds. 2,447,177, Aug. 17.
- Grün, Franz, administrator: *See*—Grün, Adolf.
- Grunden, Reed M.: *See*—Cassidy, John H., and Grunden.
- Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Focusing system. 2,442,975, June 8.
- Grundner, Louis, assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding spatter prevention. 2,446,922, Aug. 10.
- Grunfeld, Maximilien, Lyon, France; vested in the Attorney General of the United States. Manufacture of primary amines. 2,449,036, Sept. 7.
- Grunow, Alfred W., Nutley, N. J. Die set. 2,445,574, July 20.
- Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Chair iron and seat cushion therefor. 2,454,057, Nov. 16.
- Grupe, William F.: *See*—Gessler, Albert E., Grupe, Rolle, and Tuttle.
- Grupe, William F., Lyndhurst, N. J., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for and banding boxes. 2,456,059, Dec. 14.
- Gruskin, Benjamin, New York, N. Y., assignor to Lakeland Foundation, Chicago, Ill. Purification of chlorophyll by floating off impurities with the aid of a salt solution. 2,434,649, Jan. 20.
- Gruss, George H., San Francisco, Calif. Tilting adjustment for reciprocating concentrating tables. 2,446,176, Aug. 3.
- Gruss, Lucien R., Middletown, Ohio. Shock absorber. 2,443,615, June 22.
- Gruss, Lucien R., Middletown, Ohio. Shock absorber. 2,443,616, June 22.
- Gruss, Lucien R., Middletown, Ohio. Shock absorber. 2,443,730, June 22.
- Grüssner, André: *See*—Schneider, Otto, Bourquin, and Grüssner.
- Gruver, George F., Little Rock, Ark. Boot drying apparatus. 2,444,195, June 29.
- Gruver, John H., East Cleveland, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Safety stop mechanism for embossing machines. 2,444,292, June 29.
- Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Embossing machine carriage. 2,450,725, Oct. 5.
- Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Margin stop mechanism for embossing machine carriages. 2,450,726, Oct. 5.
- Gruver, John H., East Cleveland, and C. J. Hueber, Euclid, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Index tab for printing devices. 2,438,282, Mar. 23.
- Gruver, John H., East Cleveland, and H. A. Seeley, Cleveland, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,456,273, Dec. 14.
- Grzech, Albert S., and J. G. Debelius, Baltimore, Md. Automatic antilip device. 2,439,085, Apr. 6.
- Gstalter, Paul A., Gibsonsia, Pa. Bridging for floor joists and the like. 2,442,726, June 1.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Speech transmission system. 2,439,293, Apr. 6.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Distance and speed indicating system. 2,451,822, Oct. 19.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Direction finding system. 2,451,823, Oct. 19.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Automatic frequency control. 2,453,988, Nov. 16.
- Guanella, Gustav, Zurich, and P. Güttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Impulse modulation system. 2,435,496, Feb. 3.
- Guanella, Gustav, Zurich, and P. Güttinger, Wettingen, Switzerland, assignors to Radio Patents Corporation, New York, N. Y. Producing time modulated signal impulses. 2,451,824, Oct. 19.
- Guardian Electric Manufacturing Co., assignee: *See*—Nelsen, Marvin G.
- Guard-It Manufacturing Co., assignee: *See*—Malme, Elmer K.
- Guardite Corporation, assignee: *See*—Baer, John M.
- Heineman, Arnold H.
- Guarnaschelli, Stephen, Mount Vernon, assignor to Packless Metal Products Corporation, New Rochelle, N. Y. Safety device for flexible tubing. 2,444,983, July 13.
- Guarnaschelli, Stephen, assignor to Packless Metal Products Corporation, New Rochelle, N. Y. Pipe coupling. 2,453,127, Nov. 9.
- Guarnaschelli, Vincent, Corona, N. Y. Bottle cap. 2,436,297, Feb. 17.
- Guarrera, John J., Astoria, Long Island, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Oscillator tube with tunable coaxial resonator. 2,451,825, Oct. 19.
- Guckert, Leonard S., Baltimore, Md., assignor to Mavest, Inc., New York, N. Y. Coat. 2,453,989, Nov. 16.
- Guden, Nicholas W., Chicago, Ill. Nursing bottle holder. 2,452,749, Nov. 2.
- Gudheim, Arne, Winchester, assignor to Lever Brothers Company, Cambridge, Mass. Making shortening. 2,455,363, Dec. 7.
- Gudmundsen, Austin: *See*—McCulloch, Robert P., Ryde, and Gudmundsen.
- Guellicher, Gisela, Brooklyn, N. Y. Doll's house structural set. 2,441,761, May 18.
- Guellich, Gustav E.: *See*—Reardon, Joseph D., and Guellich.
- Guellich, Gustav E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Adhesive and joining elements therewith. 2,455,118, Nov. 30.
- Guenther, Alfred, Riegelsville, Pa., and J. F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of quinoxalones. 2,439,886, Apr. 13.
- Guenther, Arthur E., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-advancing reel. 2,452,370, Oct. 26.
- Guenther, Frank S., Trenton, N. J. Device for decorating materials. 2,449,810, Sept. 21.
- Guenther, Hugh W.: *See*—Gaugler, Richard S., and Guenther.
- Guenther, John R.: *See*—Cobb, Carroll F., Brill, and Guenther.
- Guerasimoff, Constantine N., Harvey, Ill. Engine construction. 2,443,502, June 15.
- Guerchoux, Charles S., assignor to The Ro-Ed Engineering Co., Inc., New Orleans, La. Mobile incinerator, garbage container and chute. 2,442,686, June 1.
- Guerin, Paul R., East Cleveland, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,457,366, Dec. 28.
- Guernsey, Max M., Steilacoom, Wash. Electric plug. 2,450,657, Apr. 5.
- Guerreiro, Antone M.: *See*—Canfield, Robert W., Wiley, and Guerriero.
- Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Alpha-hydroxy-ether of fatty acid. 2,435,828, Feb. 10.
- Guest, Herbert H., West Hartford, assignor to The J. B. Williams Company, Glastonbury, Conn. Alpha-hydroxy-ether of fatty acid soap. 2,435,829, Feb. 10.
- Guest, James F., Royal Oak, assignor to Briggs Manufacturing Company, Detroit, Mich. Jig or fixture. 2,438,162, Mar. 23.
- Guggenheim Brothers, assignee: *See*—Bevan, John G.
- Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—Goddard, Robert H.
- Guibert, Francis W., Los Angeles, and F. B. Fuller, Whittier, Calif. Replaceable tooth structure. 2,439,427, Apr. 13.
- Guidry, Clans, Jennings, La. Dump body for trucks. 2,452,850, Nov. 2.
- Guignon, Emile S., Jr., assignee, et al.: *See*—Haden, Raymond L.

- Guilbert, Nicholas R., Jr., Chestnut Hill, Pa. Combination weight box and guide for elevator gates and the like. 2,435,779, Feb. 10.
- Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Article of furniture. 2,453,090, Nov. 2.
- Guilden, Ira, Miami Beach, Fla., assignee, by mesne assignments, to The First National Bank of Boston, Boston, Mass., as trustee. Time zone watch. 2,456,122, Dec. 14.
- Guile, Marcus H.: *See*—
Kelleher, Francis W., and Guile.
- Gulles, Charles H.: *See*—
Skene, Matthew, and Guiles.
- Gulfoil, Oscar D., Jr., Syracuse, N. Y. Candle lamp. 2,439,467, Apr. 13.
- Guillemin, Victor, Jr., Dayton, Ohio. Constant flow gas analyzer. 2,449,067, Sept. 14.
- Gulilet, Albert M., Charlotte, N. C. Leveling and aligning means. 2,449,219, Sept. 14.
- Guindon, Arthur, St. Jerome, Quebec, Canada. Ski boot heel construction. 2,449,294, Sept. 14.
- Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Pyroigneous liquors for preserving food products and preparing the same. 2,454,649, Nov. 23.
- Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Catalytically hydrogenating organic substances. 2,456,187, Dec. 14.
- Guinot, Henri M., Versailles, and P. Chassaing, Melle, assignors to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Manufacture of anhydrous aliphatic acids from aqueous solutions thereof. 2,437,519, Mar. 9.
- Guinot, Henri M., Versailles, and A. Courtier, Melle, assignors to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Oil for industrial purposes and manufacture thereof. 2,439,729, Apr. 13.
- Guinot, Henri M., Versailles, and J. Gardais, Saint-Romans-les-Melle, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Process for the manufacture of ethers. 2,443,906, June 22.
- Guithues, Leo B., Los Angeles, Calif., assignor to Catalina, Inc. Man's trunks. 2,446,326, Aug. 3.
- Gulbrandsen, Carl, Miami, Fla. Power transmission shock absorber. 2,441,267, May 11.
- Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in attaching soles to shoes. 2,435,582, Feb. 10.
- Gulbrandsen, Gulbrand, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dial scale mechanism. 2,456,186, Dec. 14.
- Guiden, Ernest V.: *See*—
Desch, Joseph R., Guiden, and Mumma.
- Gulden, Moses L., Milwaukie, Oreg. Fastening device. 2,445,525, July 20.
- Gulf Oil Corporation, assignee: *See*—
Butcher, Alfred.
Franklin, Leslie U., and Plumhoff.
Hill, Mark L., and Smith.
Pelletiere, Joseph A.
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Hill, and Cantrell.
Smith, Herschel G., Hill, and Peck.
Willard, Herbert B.
- Gulf Research & Development Company, assignee: *See*—
Ambrose, Henry A.
Berg, Lloyd, and Harrison.
Clark, Dayton P., Jr.
Coggeshall, Norman D.
Coggeshall, Norman D., and Kerr.
Coggeshall, Norman D., and Muskat.
Epprecht, Edward H.
Gilbert, William I., and Montgomery.
McCarthy, Paul R.
McKinley, Joseph B., and Elder.
Montgomery, Charles W., McKinley, and Anhorn.
Mori, Ernest A.
Muskat, Morris, and Coggeshall.
Palmer, Elton M.
Pardee, William A., and Montgomery.
Pigott, Reginald J. S., and Exline.
Pigott, Reginald J. S., and Fleischer.
Pigott, Reginald J. S., and Taylor.
Rand, Wendell P.
Ritzmann, Otto F.
Teplitz, Abraham J.
Versaw, Forest F.
Weinrich, William W., Holloway, and Bonnell.
Whitaker, Arthur C. and Weinrich.
- Gulick, Russell A., Lynnfield, Miss., assignor, by mesne assignments, to Stator Corporation. Double wall vessel. 2,448,589, Sept. 7.
- Gulliksen, Finn H., deceased, Oslo, Norway, by G. Gulliksen, administrator, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polarized reed device. 2,449,472, Sept. 14.
- Gulliksen, Gunvald, administrator: *See*—
Gulliksen, Finn H.
- Gullo, Frank C., Cupertino, Calif. Fruit drier. 2,450,590, Oct. 5.
- Gulow, Erwin M., Turners Falls, Mass. Delivery cabinet. 2,447,409, Aug. 17.
- Gumaer, Percy W., West Englewood, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Apparatus and process for testing materials. 2,452,122, Oct. 26.
- Gummed Products Company, assignee: *See*—
Bruce, Donald S., and Heise.
- Gump, William S.: *See*—
Luthy, Max, and Gump.
- Gump, William S., Montclair, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Quaternary ammonium compounds. 2,435,583, Feb. 10.
- Gunderman, Sarah H., Pittsburgh, Pa. Ribbon burner. 2,435,391, Feb. 3.
- Gundersen, Daniel T., and P. Glass, assignors to Askania Regulator Company, Chicago, Ill. Electric arc furnace control system. 2,447,066, Aug. 17.
- Gunderson, Clo K., assignee: *See*—
Gunderson, Ralph R.
- Gunderson, Gustav, Tremont, Pa. Cord holder for electric irons. 2,440,045, Apr. 20.
- Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Conditioning water. 2,442,768, June 8.
- Gunderson, Norman R., Pasadena, Calif. Nonlinear electrooptical system. 2,454,871, Nov. 30.
- Gunderson, Ralph R., Chicago, Ill., assignor to C. K. Gunderson. Tripod support for signal flares. 2,436,293, Feb. 17.
- Gunderson, Ralph R., Chicago, Ill. Hydraulic pressure boosting means for braking systems. 2,452,651, Nov. 2.
- Gunn, Charles A., Alexander City, Ala. Dobby knife connector. 2,439,973, Apr. 20.
- Gunn, Ross, Washington, D. C. Electric field or potential indicator. 2,449,068, Sept. 14.
- Gunning, Alfred W., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,451,943, Oct. 19.
- Gunning, Maximilian F., Petersfield, England. Hydraulic plant. 2,437,520, Mar. 9.
- Gunning, Maximilian F., Petersfield, England. Hydraulic motor and control therefor. 2,442,125, May 25.
- Gunter, Frank B., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Termination for transmission lines. 2,434,560, Jan. 13.
- Gunther, Frederick F., assignor to Helmo, Inc., Chicago, Ill. Needle holder and sterilizer. 2,454,602, Nov. 23.
- Gunther, James K., and L. Sair, Decatur, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Treating fish press water. 2,454,315, Nov. 23.
- Gunther, Roland B., Oceanside, N. Y. Apparatus for dispersing gases in liquids. 2,448,590, Sept. 7.
- Gupton, Ronda C., Newport News, Va. Cooling nozzle for use in welding. 2,449,220, Sept. 14.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Tuning arrangement for concentric transmission line resonators. 2,435,442, Feb. 3.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. High-frequency cavity resonator apparatus. 2,443,907, June 22.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency oscillator. 2,443,908, June 22.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency electric discharge device. 2,446,825, Aug. 10.
- Gurin, Paul E., Brooklyn, N. Y. Electrical attachment plug. 2,434,154, Jan. 6.
- Gurley, Gordon A., Salem, Ill. Wheel or roller assembly. 2,443,982, June 22.
- Gurries, Albert G., assignee: *See*—
Clark, Marion A.
- Gursky, Henry D., assignor to Curtin-Hebert Company, Inc., Gloversville, N. Y. Clamp. 2,445,396, July 20.
- Gustafson, Gilbert E., River Forest, Ill., assignor to Zenith Radio Corporation. Electric cord. 2,438,008, Mar. 16.
- Gustafson, Gilbert E., River Forest, Ill., assignor to Zenith Radio Corporation. Portable radio receiver. 2,447,576, Aug. 24.
- Gustafson, Gustaf, Yakima, Wash. Hose clamp. 2,455,760, Dec. 7.
- Gustafson, Harry M., assignor to Simmons Slicing Knife Company, Chicago, Ill. Slicing knife. 2,453,220, Nov. 9.
- Gustafson, Wayne A., and W. J. Schneider, assignors to M. S. Aviation Company, a partnership consisting of J. E. Magner and W. J. Schneider, Minneapolis, Minn. Electric circulating space heater. 2,443,983, June 22.
- Gustavson, Alvin N., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,437,521, Mar. 9.
- Gustin-Bacon Manufacturing Company, assignee: *See*—
Stephens, Joseph F.
- Gustin, Daniel S.: *See*—
Morehead, Chalmers, and Gustin.
- Gustlin, Walter, Elsinore, Calif. Device for exercising and treating feet. 2,448,797, Sept. 7.
- Guth, Edwin F., Florissant, Mo. Lighting fixture. 2,440,603, Apr. 27.
- Guthier, Ervin H., Santa Ana, Calif. Dehydrator apparatus. 2,448,144, Aug. 31.

- Guthrie, Alvin W., Chicago, Ill. Cam-acting garment hanger. 2,445,851, July 27.
- Guthrie, Andrew J., St. Albans, W. Va. Ball rolling game. 2,445,575, July 20.
- Guthrie, James E., assignor to Dr. Hess & Clark, Inc., Ashland, Ohio. Escharotic solution for dehorning calves. 2,450,953, Oct. 12.
- Guthrie, Marion R., assignee: *See*—
Smith, Leicester I.
- Guttinger, Paul: *See*—
Guanella, Gustav, and Güttinger.
- Guttmann, Eric S., Burbank, Calif., assignor to A. S. E. G., L. M., C. M., and L. Polan, Jr., a copartnership doing business as Zenith Optical Company, Huntington, W. Va. Microscope mounting with self-contained illuminator. 2,448,974, Sept. 7.
- Gutton, Henri: *See*—
Elie, Maurice, Gutton, Hugon, and Ponte.
- Guttormsen, Joseph P., Kenosha, Wis. Handle bar shock absorber. 2,452,371, Oct. 26.
- Gutzeit Carlos L. assignor to Shell Development Company, San Francisco, Calif. Preparation of autoregenerative catalysts. 2,449,295, Sept. 14.
- Gutzwiller, E., & Co., assignee: *See*—
De Regnaud de Bellescize, Henri J. J. M.
- Gutzwiller, Ernst, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Dyestuffs of the anthraquinone series. 2,448,094, Aug. 31.
- Gutzwiller, Ernst, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Aryl thio-ethers of metal-containing phthalocyanines and producing same. 2,456,274, Dec. 14.
- Guy, Frederick M., Detroit, Mich., assignor, by mesne assignments, to U. S. Universal Joints Company. Resilient shaft hanger. 2,450,279, Sept. 28.
- Guy, Herbert G., assignor to Koppers Company, Inc., Pittsburgh, Pa. Conditioned naphthalene. 2,445,776, July 27.
- Guyan Machinery Company, assignee: *See*—
Fot, Chin Jim.
- Guyer, Edwin M., Corning, N. Y. Electric glass heating. 2,445,063, July 13.
- Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus and process for hydrocarbon conversion. 2,450,753, Apr. 5.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for packing containers. 2,437,952, Mar. 16.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Sealing cartons. 2,455,304, Nov. 30.
- Guyer, Reynolds, St. Paul, and H. O. Ronning, Minneapolis, assignors to Waldorf Paper Products Company, St. Paul, Minn. Method and apparatus for closing cartons. 2,441,410, May 11.
- Guyer, Walter R. F., Roselle, N. J., assignor to Standard Oil Development Company. Production of diolefins. 2,440,471, Apr. 27.
- Guzik, Arnoldo G., Vicente Lopez, Argentina. Device for use in retreading and vulcanizing pneumatic tires. 2,443,955, June 22.
- Gwyn, Harry M., Jr.: *See*—
Laughlin, Carl D., and Gwyn.
- Gygi, Harvey E.: *See*—
Gerrits, Adrian E., and Gygi.
- Gyorgy, Paul, Cleveland, and M. B. Williamson and E. T. Stiller, Chagrin Falls, Ohio, assignors to Wyeth Incorporated, Philadelphia, Pa. Stabilized fat compositions. 2,456,937, Dec. 21.
- Gyro-Balance Corporation, assignee: *See*—
Minorsky, Nicolai.
- Gysin, Hans: *See*—
Hirt, Rudolf, Gysin, and Martin.
Martin, Henry, and Gysin.
Martin, Henry, Gysin, Neracher, and Hirt.
Martin, Henry, Gysin, Zaeslin, and Margot.
- Gzemiak, Felix C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of metal sulfonates. 2,451,549, Oct. 19.
- H. & A. Manufacturing Co., Inc., assignee: *See*—
Reiser, Alfred A.
- H-P-M Development Corporation, assignee: *See*—
Ashbaugh, Bernard D.
Cole, Lyndon C.
Conabee, Ray S.
Ernst, Walter.
Ernst, Walter, Muller, and Shaw.
Fisher, John R., Jr.
Geiger, George M., and Sonnenwirth.
Geiger, George M., and Ernst.
Greene, Arthur M., Jr., and Ernst.
Lindsey, Robert J.
MacMillin, Howard F., Ernst, and Waldie.
Muller, Johan A., and Tucker.
Richardson, Lloyd D.
Shaw, Victor S.
Summers, Otto M.
Tucker, Warren R.
Waldie, George A.
- Haag-Streit Werkstatte fur Praisionsmechanik, assignee: *See*—
Papritz, Hans.
- Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. System for magnetic deflection in cathode-ray tubes. 2,455,171, Nov. 30.
- Haantjes, Johan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device adapted to produce saw tooth oscillations. 2,456,700, Dec. 21.
- Haas, Henry B., West Lafayette, Ind., and J. F. Bourland, Martinsville, N. J., assignors to Purdue Research Foundation, West Lafayette, Ind. Production of nitrohydroxy compounds. 2,456,585, Dec. 14.
- Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fuse setting mechanism. 2,438,165, Mar. 23.
- Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,450,043, Sept. 28.
- Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe inseam sewing machine. 2,456,634, Dec. 21.
- Haas, Paul: *See*—
Acheson, Marcus A., and Haas.
- Haas, Paul, assignor to Sylvania Electric Products, Inc., Emporium, Pa. Electron discharge tube. 2,443,535, June 15.
- Haas, Walter O., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cooling tools. 2,439,927, Apr. 20.
- Haas, Walter O., Jr., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Dielectric materials. 2,442,810, June 8.
- Haase, Byron, Bloomington, Ind. Novelty rotary display stand. 2,447,751, Aug. 24.
- Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Wheeled concrete burial vault. 2,456,939, Dec. 21.
- Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial apparatus. 2,457,671, Dec. 28.
- Haber, Charles L., New York, N. Y. Resilient holder for abrasive and cleaning materials. 2,441,268, May 11.
- Haber, Charles P., Schenectady, N. Y., assignor to General Electric Company. Preparing orthosilicates. 2,445,576, July 20.
- Haberer, Bert, Oakland, Calif. Appliance for the spine. 2,447,698, Aug. 24.
- Haberfeld, Paul, Portland, Oreg., assignor to Jantzer Knitting Mills. Ski pants. 2,455,479, Dec. 7.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Dishwasher. 2,436,169, Feb. 17.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Conveyor type dishwasher. 2,446,368, Aug. 3.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Lavatory supporting bracket. 2,448,798, Sept. 7.
- Habeshaw, John: *See*—
Fawcett, Eric W. M., Jenkins, and Habeshaw.
- Habicht, Louis A., and H. H. Vogel, assignors to Champion Spark Plug Company, Toledo, Ohio. Gap gauge for spark plugs. 2,439,363, Apr. 6.
- Habicht, Louis O., Thorofare, N. J. Clamp. 2,450,891, Oct. 12.
- Hack, George O., Hudson, Ohio. Traction device for resilient tires and wheels. 2,440,632, Apr. 27.
- Hackathorn, Robert A., Grosse Pointe Woods, assignor to Crawford Door Company, Detroit, Mich. Cable clamp. 2,453,432, Nov. 9.
- Hacker, Fred A., Cranford, assignor, by mesne assignments, to American Type Founders, Incorporated, Elizabeth, N. J. Printing plate whirler. 2,455,761, Dec. 7.
- Hackethal, Paul F., Cockeysville, and R. Karey, assignors to Everell Propeller Corporation, Baltimore, Md. Propeller construction. 2,444,196, June 29.
- Hackett Automotive Accessories Corporation, assignee: *See*—
Baldwin, Stanley W.
- Hackett, William H., Oakland, Calif. Venetian blind. 2,440,769, May 4.
- Hackman, George M.: *See*—
Sharp, Brice E., and Hackman.
- Hackman, Victor M.: *See*—
Croskey, Earl H., and Hackman.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation of C₄ hydrocarbons with furfural. 2,434,796, Jan. 20.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Distillation of butadiene from methyl acetylene and higher-boiling hydrocarbons. 2,434,923, Jan. 27.
- Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conducting catalytic reactions. 2,440,822, May 4.
- Haddad, Jerrier: *See*—
Leathers, Ward, and Haddad.
- Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of dyestuffs. Re. 22,983, Mar. 9.
- Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo benzene benzthiazyls. 2,439,804, Apr. 20.

- Haddock, Norman H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Benzthiazyl azo dyes. 2,443,314, June 15.
- Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Metal-phthalocyanines containing halomethyl groups and preparing same. 2,435,307, Feb. 3.
- Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quaternary ammonium salts of dibenzthiazyl azo benzenes. 2,436,428, Feb. 24.
- Haddon, Cuthbert L., Newark-on-Trent, assignor to The British Plaster Board Limited, Wallasey, England. Manufacture of plaster of Paris. 2,448,218, Aug. 31.
- Hade, Emile, Montreal, Quebec, Canada. Clothes drier. 2,451,674, Oct. 19.
- Haden, Raymond L., assignor of one-half to E. S. Guignon, Jr., Kansas City, Mo., and one-half to A. R. Jones, Mission Hills, Kans. Interlocking building units. 2,453,221, Nov. 9.
- Hadley, Charles R., Company, assignee: *See*—Jones, Jesse M.
- Hadley, Harold F., Defiance, Ohio, assignor to Dapco Products, Inc. Diaphragm pump. 2,455,480, Dec. 7.
- Hadley, Wilfred N., assignor to Parks and Woolson Machine Company, Springfield, Vt. Slitting and punching attachment for piece-end sewing machines. 2,437,662, Mar. 9.
- Hadwiger, Oscar E., Pueblo, Colo. Edge sanding machine. 2,440,440, Apr. 27.
- Haacks, Erwin, San Francisco, Calif. Dough cutter. 2,454,316, Nov. 23.
- Haefeli, Julius C., assignor to The Austin Motor Company Limited, Birmingham, England. Taking off power from the drive transmission of motor vehicles. 2,453,685, Nov. 9.
- Haefl, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,440,089, Apr. 20.
- Haefl, Andrew V., Washington, D. C., assignor to Radio Corporation of America. Resonant cavity circuits. 2,447,461, Aug. 17.
- Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take-up device for knitting machines. 2,446,875, Aug. 10.
- Haensel, Vladimir: *See*—
Ipatieff, Vladimir N., and Haensel.
Thomas, Charles L., and Haensel.
- Haensel, Vladimir, Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Demethylation of hydrocarbons in presence of water. 2,436,923, Mar. 2.
- Haensel, Vladimir, Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst preparation. 2,456,633, Dec. 21.
- Haensel, Vladimir, Clarendon Hills, and V. N. Ipatieff, assignors to Universal Oil Company, Chicago, Ill. Process for purifying saturated hydrocarbons involving selective demethylation. 2,441,663, May 18.
- Haft, Richard M.: *See*—
Harsh, Harold C., Haft, and Kaszuba.
- Hafner, Louis D., St. Louis, Mo. Electric prodder. 2,441,812, May 18.
- Häfliger, Franz: *See*—
Martin, Henry, and Häfliger.
- Hafner, Ernst, Zurich, Switzerland. Perambulator. 2,436,643, Feb. 24.
- Hagan, Albert W.: *See*—
Griffin, John B., and Hagan.
- Hagan, Cora L., South Ozone Park, N. Y., assignor to The Lord Baltimore Press, Baltimore, Md. Multiply container with dispensing outlet secured thereto. 2,454,919, Nov. 30.
- Hagan, John J., Philadelphia, Pa. Pipe coupling for faucet connections. 2,434,846, Jan. 20.
- Hagans, Orville R., assignee: *See*—
De Varies, Millard.
- Hagdahl, John E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Accumulator meter. 2,455,056, Nov. 30.
- Hageline, Emile E., assignor to The Lathrop-Paulson Company, Chicago, Ill. Liquid measuring device. 2,443,421, June 15.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of monoesters of dicarboxylic acids. 2,444,735, July 6.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Process for preparing β -lactones. 2,450,131, Sept. 28.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of β -lactones. 2,450,132, Sept. 28.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Process for preparing lactones. 2,450,133, Sept. 28.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of β -lactones. 2,450,134, Sept. 28.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing enol acetates of alpha-diketones. 2,450,754, Oct. 5.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation of ketenes with esters of keto acids. 2,456,503, Dec. 14.
- Hagen, Arthur H., Globe, Ariz. Pliers with link connected handle and jaw. 2,450,791, Oct. 5.
- Hagen, Clarence R., Chicago, Ill., assignor to International Harvester Company. Cotton conveyor blower. 2,440,770, May 4.
- Hagen Corporation, assignee: *See*—
Markson, Alfred A.
- Hagen, Harold F., Wellesley, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Air conditioning unit having a reversible fan wheel. 2,434,847, Jan. 20.
- Hagen, Harold F., Wellesley, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Centrifugal fan. 2,441,411, May 11.
- Hagen, Harry W., Decatur, Ill. Nonrefillable bottle closure. 2,451,336, Oct. 12.
- Hagen, John A., Glen Rock, L. Prendergast, Passaic, and E. L. Gregor, Ramsey, assignors to Molded Latex Products, Inc., Passaic, N. J. Balloon. 2,455,248, Nov. 30.
- Hagenberg, Theodor, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube. 2,455,993, Dec. 14.
- Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyers. 2,444,600, July 6.
- Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Connecting means for shaker conveyor troughs. 2,449,473, Sept. 14.
- Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,454,446, Nov. 23.
- Hagensick, Charles G.: *See*—
Boyer, John L., and Hagensick.
- Hager, Emil F., Queens Village, N. Y. Work support arrangement for grinding and dressing machines. 2,450,135, Sept. 28.
- Hager, Emil F., Queens Village, N. Y. Grinder machine. 2,453,573, Nov. 9.
- Hager, Emil F., Queens Village, N. Y. Center punch. 2,455,577, Dec. 7.
- Hager, Floyd D., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Inoculum and preparing and using same. 2,454,753, Nov. 23.
- Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isomerization of 1,4-dicyano-2-butene. 2,451,386, Oct. 12.
- Hagerbaumer, William A.: *See*—
Johnson, George L., and Hagerbaumer.
- Hagerstown Leather Company, assignee: *See*—
Campbell, Carl M.
- Hagglund, Eld J., Erie, Pa. Toothbrush holder. 2,437,781, Mar. 16.
- Hagler, Joseph, assignee: *See*—
Zideck, Ernest E.
- Hagner, Frederick H., assignor to Position Finder Corporation, San Antonio, Tex. Plotting and measuring device. 2,443,240, June 15.
- Hagopian, Charles H., New York, N. Y. Coin stacker. 2,441,486, May 11.
- Hagstrom, Gotthard, New Haven, assignor, by mesne assignments, to The Pioneer Hardware Corporation, Bridgeport, Conn. Latch construction mounting means. 2,440,509, Apr. 27.
- Hagstrom, Gotthard, New Haven, assignor, by mesne assignments, to The Pioneer Hardware Corporation, Bridgeport, Conn. Keeper or striker for latches and the like. 2,440,510, Apr. 27.
- Hahn, Adolf E.: *See*—
Norton, Orlo C., and Hahn.
- Hahn Baking Company, assignee: *See*—
Hahn, Henry E., Jr.
- Hahn, Clarence J., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hub structure. 2,452,458, Oct. 26.
- Hahn, Clarence L., Baltimore, Md. Artificial bait. 2,437,523, Mar. 9.
- Hahn, Forrest E., assignee: *See*—
Hahn, Malvin.
- Hahn, Henry E., Jr., assignor to Hahn Baking Company, Milwaukee, Wis. Dough forming machine. 2,440,655, Apr. 27.
- Hahn, Lewis F., Hatboro, Pa. Shielded spark plug. 2,445,777, July 27.
- Hahn, Malvin, Lawrenceburg, Ky., assignor of one-half to F. E. Hahn, Cincinnati, Ohio. Shock absorber. 2,441,629, May 18.
- Hahn, Paul T., and G. R. Coss, Detroit, Mich., assignors to Eureka Williams Corporation. Convertible suction cleaner with agitator drive disengaging means. 2,449,997, Sept. 28.
- Hahn, Rea I., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Electric annealing apparatus. 2,444,348, June 29.
- Haigh, Leslie B.: *See*—
Skinner, Murray F., Haigh, and Hall.
- Haigh, Leslie Gaines: *See*—
Hartley, George C., Gould, and Haigh.

- Haight, Clarence R., assignor of one-sixth to V. T. White, one-sixth to J. B. Flugstad, and one-sixth to L. G. Clauson, Cut Bank, Mont. Automatic hydraulic jack. 2,449,296, Sept. 14.
- Hail, Emerson, Lafayette, Calif. Hydraulic hoisting mechanism. 2,437,466, Mar. 9.
- Hain, George M.: *See*—
Zisman, William A., and Hain.
- Hain, George M., United States Navy, and W. A. Zisman, Washington, D. C. Silicone grease and preparation. 2,446,177, Aug. 3.
- Haine, Michael E.: *See*—
Dodds, John M., Scoles, Haine, and Archer.
- Haines, William A., Jr., Glendale, Calif. Lather making machine. 2,451,083, Oct. 12.
- Hainsworth, William R., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Absorption type refrigeration system. 2,440,583, Apr. 27.
- Haizlip, W. O., assignee, et al.: *See*—
Carlin, Bernard.
- Hajduk, Casimir, Dearborn, Mich. Floating seat. 2,435,497, Feb. 3.
- Hakanson, Alfred, Alhambra, Calif. Sash holder. 2,454,794, Nov. 30.
- Hakken, William T., Jr.: *See*—
Twynning, Robert V., and Hakken.
- Halbedel, Harold S., S. Z. Cardon, and W. J. Shenk, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Production of fluoroacetonitrile. 2,442,290, May 25.
- Halbleib, Ernest M., McNabb, Ill. Endless tread tractor shovel. 2,443,241, June 15.
- Halby, Edwin G., Marion, Ohio, assignor to Marion Power Shovel Company. Clutch operating mechanism. 2,437,737, Mar. 18.
- Halda, Arnold V., Kansas City, Mo. Gas furnace with electrically ignited pilot. 2,442,168, May 25.
- Hale, Douglas A. S.: *See*—
Blazier, Charles R., and Hale.
- Hale, Frederick W., assignor to Ashworth Bros. Inc., Worcester, Mass. Wire coil conveyor belt. 2,447,613, Aug. 24.
- Hale, George C., Dover, N. J., assignor to the United States of America, as represented by the Secretary of War. Propellant and manufacturing. 2,440,267, Apr. 27.
- Hale, George C., Dover, N. J. Delay powder. 2,450,892, Oct. 12.
- Hale, George E., assignee: *See*—
Ruskin, Henry.
- Hale, Ralph F., Claremont, N. H., assignor to Joy Manufacturing Company. Axially engaging friction clutch. 2,457,367, Dec. 28.
- Hale, Roger C.: *See*—
Coombs, Robert E., and Hale.
- Hale, William J., Midland, Mich., assignor to National Agrol Company, Inc., Washington, D. C. Dehydration process and catalyst. 2,441,966, May 25.
- Hale, William J., Midland, Mich. Fuels for internal combustion engines. 2,445,778, July 27.
- Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of phenolphthalein B,B'-diglucoiside. 2,450,086, Sept. 28.
- Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide mechanism. 2,434,210, Jan. 6.
- Haley, James: *See*—
Hedquist, Milton T., and Haley.
- Halford, Frank B., assignor to The De Havilland Aircraft Company Limited, Edgware, England. Jet propulsion plant. 2,437,385, Mar. 9.
- Halford, Frank B., assignor to The De Havilland Aircraft Company Limited, Edgware, England. Controlling the temperature of gases. 2,438,998, Apr. 6.
- Halford, Frank B., assignor to The De Havilland Aircraft Company Limited, Edgware, England. Arrangement of jet propulsion engine elements. 2,445,114, July 13.
- Halfvarson, Gustaf A., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Piston and connecting rod. 2,451,216, Oct. 12.
- Haling, Otto W., Rochester, Minn. Inner piston ring. 2,438,163, Mar. 23.
- Hall, Archibald J., and F. C. Wood, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Alkali metal hydroxide liquid reagent. 2,445,064, July 13.
- Hall, Arthur O., assignee: *See*—
Boskovich, Milan N.
- Hall, Bertie R., El Cerrito, Calif. Collapsible gocart. 2,455,119, Nov. 30.
- Hall, Charles S., New York, N. Y. Indicating the state of gas in cells of aircraft. 2,450,954, Oct. 12.
- Hall, Chester L., Vischer's Ferry, N. Y., assignor to General Electric Company. Electrically actuated valve. 2,435,076, Jan. 27.
- Hall, Chester L., Vischer's Ferry, N. Y., assignor to General Electric Company. Switching means. 2,443,452, June 15.
- Hall, Donald S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Advertising stand with removable display panel. 2,447,978, Aug. 24.
- Hall, Elisha W., Scituate, Mass. Abrading element. 2,450,792, Oct. 5.
- Hall, Elisha W., Scituate, Mass. Abrading element. 2,450,793, Oct. 5.
- Hall, Ellis T., Kansas City, Mo. Wallpaper perforator. 2,435,349, Feb. 3.
- Hall, Fred B., assignor to Riley Stoker Corporation, Worcester, Mass. Stoker tuyere. 2,449,602, Sept. 21.
- Hall, Frederick M., and R. W. Griffith, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Adhesive composition. 2,442,083, May 25.
- Hall, George E., Jr., Fort Bragg, N. C., M. E. Hultquist, and L. H. Dhein, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing free-flowing crystalline sulfadiazine. 2,443,956, June 22.
- Hall, George O., Murrysville, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Process of treating eggs. 2,445,879, July 27.
- Hall, Gordon L., Old Lyme, Conn. Holder-dispenser for roll sheet material. 2,451,215, Oct. 12.
- Hall, Harold E., Short Hills, assignor to Metals Disintegrating Company, Inc., Elizabeth, N. J. Making abrasive articles. 2,443,315, June 15.
- Hall, Harry C., Phoenix, Ariz., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Self-adjusting bearing. 2,443,822, June 22.
- Hall, Horace E., Lyle, Tenn., and L. L. Coleman, Wilmington, Del., assignors to Masonite Corporation, Laurel, Miss. Recovery of pentoses and hexosans from wood liquors. 2,444,823, July 6.
- Hall, Horace W., Newton, Mass. Locating jig device for use in drilling holes in racket heads. 2,435,830, Feb. 10.
- Hall, Howard E., assignor to J. A. Terteling & Sons, Boise, Idaho. Harvester with toppler and ejector. 2,435,350, Feb. 3.
- Hall, Howard E., assignor to Olson Manufacturing Company, Boise, Idaho. Hoist attachment for tractors. 2,440,010, Apr. 20.
- Hall, Howard E., assignor to Olson Manufacturing Company, Boise, Idaho. Scoop and trip mechanism therefor. 2,446,827, Aug. 10.
- Hall, Ike D., Baytown, Tex., assignor to Standard Oil Development Company. Separation of diolefins and contaminating hydrocarbons from rich ammoniacal aqueous solutions. 2,438,437, Mar. 23.
- Hall, Joseph M., Chicago, Ill. Comparison type light measuring device. 2,440,266, Apr. 27.
- Hall, Joseph S., Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Axial flow compressor and like machines. 2,451,944, Oct. 19.
- Hall, Joseph W., Portland, Ore. Saw filing tool. 2,440,633, Apr. 27.
- Hall Laboratories, Inc., assignee: *See*—
Cerna, Wendell W.
Hall, George O.
Martello, Norman E.
Tjoflat, Gerald B.
- Hall, Lee R., Tonasket, Wash. Internal pipe wrench. 2,455,005, Nov. 30.
- Hall, Lylel C., Connell, Wash. Saw guard. 2,439,568, Apr. 13.
- Hall, Manville, Akron, Ohio. Cushioned shoe sole. 2,437,227, Mar. 2.
- Hall, Marchand B., and S. K. Ketterman, assignors to Acme Visible Records, Inc., Chicago, Ill. Record filing device. 2,435,077, Jan. 27.
- Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Holder for cards and photographs. 2,438,997, Apr. 6.
- Hall (née Davis), Margaret I.: *See*—
Curd, Francis H. S., Hall, Owen, Rose, and Tuey.
- Hall, Marshall V., Hiawatha, Kans. Self-unloading feed wagon. 2,439,541, Apr. 13.
- Hall, Maynard G., Rutherford, and T. Hurban, Jr., Hasbrouck Heights, assignors to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,457,307, Dec. 28.
- Hall, Maynard G., Rutherford, and T. Hurban, Jr., Hasbrouck Heights, assignors to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,457,308, Dec. 28.
- Hall, Oil R., Wichita Falls, Tex. Pipe grinder. 2,455,762, Dec. 7.
- Hall, Ralph O.: *See*—
Skinker, Murray F., Haigh, and Hall.
- Hall, Ralph W.: *See*—
Weaver, Maxwell C., and Hall.
- Hall, Reginald H., et al.: *See*—
Elce, Alec. Hall, and Tuerck.
- Hall, Richard C., Alhambra, assignor to Petroleum Essentials, Incorporated, Glendora, Calif. Flame arrester. 2,447,120, Aug. 17.
- Hall, Robert L., Thompsonville, Ill. Concrete post form. 2,448,383, Sept. 7.
- Hall, Ronald H.: *See*—
Kaufmann, Charles, and Hall.
- Hall, Russell M., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerant evaporator. 2,444,824, July 6.
- Hall, Samuel A., North Canton, Ohio. Saw treating and grinding machine. 2,436,004, Feb. 17.
- Hall, Samuel G.: *See*—
Zwilling, Max, and Hall.
- Hall, Sherman B., Brockway, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical relay system. 2,454,161, Nov. 16.

- Hall, Stanley W., Oshkosh, Wis., assignor to United States Motor Corporation. Electric water heater. 2,456,698, Dec. 21.
- Hall, Thomas J., Betchworth, England. Electrical coupling device particularly for electric heating appliance stands. 2,450,336, Sept. 28.
- Hall, William A.: *See—*
Myers, William A., and Hall.
- Hall, William D., Elkins, W. Va. Method of and apparatus for igniting fuel. 2,441,965, May 25.
- Hall, William J., assignor, by mesne assignments, to Great Lakes Steel Corporation, Detroit, Mich. Beam. 2,457,147, Dec. 28.
- Hall, William J., and O. J. Crowe, Detroit, Mich., assignors to Great Lakes Steel Corporation. Structural beam. 2,457,148, Dec. 28.
- Hall, William P., Berwyn, Pa. Boring head. 2,457,040, Dec. 21.
- Hallberg, Olaf I. E.: *See—*
Chadwick, Vincent.
- Hallen, Robert O., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Sealing means. 2,437,814, Mar. 16.
- Hallenbeck, George A.: *See—*
Clark, David M., and Hallenbeck.
- Haller, Arnold, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Circuit breaker control system. 2,441,412, May 11.
- Haller, Herbert L. J.: *See—*
Gertler, Samuel I., and Haller.
- Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Making chlorine dioxide. 2,451,826, Oct. 19.
- Haller, Lawrence F., San Antonio, Tex. Rotary hydraulic coupling with automatic speed control. 2,455,249, Nov. 30.
- Haller, Oscar H., Los Angeles, Calif. Holder. 2,451,550, Oct. 19.
- Haller, Pearl M., Bay City, Mich. Outboard motor clamp. 2,455,578, Dec. 7.
- Hallett, Alfred, Los Angeles, assignor by mesne assignments, to Hallett Manufacturing Company, Inglewood, Calif. Ignition switch shield housing. 2,447,749, Aug. 24.
- Hallett, Charles G. H., assignor to The Morgan Crucible Company Limited, London, England. Electrode holder and contact means. 2,442,409, June 1.
- Hallett, Charles G. H., assignor to Morgan Crucible Company Limited, London, England. Arc lamp or the like. 2,446,278, Aug. 3.
- Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Dual filter and connection shield. 2,448,711, Sept. 7.
- Hallett, Ernest G., West Footscray, and A. C. Brown, Footscray, Victoria, Australia. Signal type torque indicating wrench. 2,448,095, Aug. 31.
- Hallett Manufacturing Company, assignee: *See—*
Hallett, Alfred.
Hallett, Elton C.
- Halliburton Oil Well Cementing Company, assignee: *See—*
Pitts, Charles A.
- Halliday, Thomas W., Los Angeles, and G. H. Joseph, Corona, Calif.: said Joseph assignor, by mesne assignments, to said Halliday. Supplemental therapeutic food. 2,452,750, Nov. 2.
- Hallier, Albert H., G. F. Harris, W. C. Kincaid, E. R. Denson, and R. H. Davis, Kansas City, Kans., assignors to Phillips Petroleum Company. Water treating system comprising a sedimentation tank having a reagent line and withdrawing sludge from said tank and adding it to said line. 2,442,809, June 8.
- Hallinan, William W., Racine, Wis. Heating system. 2,455,250, Nov. 30.
- Hallman, Eric B., assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Combined vehicle stop and directional signal. 2,440,011, Apr. 20.
- Hallmark, Clyde E.: *See—*
Larson, Christian C., and Hallmark.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Television background control system. 2,434,405, Jan. 13.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Ultra high frequency power oscillator. 2,439,512, Apr. 13.
- Hallock, Robert L., Larchmont, N. Y. Vacuum cleaner. 2,443,162, June 8.
- Hallock, Robert L., Larchmont, N. Y. Grid for ice trays. 2,449,743, Sept. 21.
- Hallor, Frank P., Peoria, Ill. Lifting jack. 2,441,762, May 18.
- Hallstrand, Eric A., Stratford, Conn., assignor to General Electric Company. Shaft and control knob arrangement. 2,443,034, June 8.
- Halold Company, The, assignee: *See—*
Sabel, Edward R.
Sabel, Edward R., and Galbrecht.
- Halpert, Percy: *See—*
Newton, John C.
- Halpert, Percy, Hempstead, N. Y., assignor to The Sperry Corporation. Servo units for automatic pilots. 2,450,427, Oct. 5.
- Halpine, Paul A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,447,646, Aug. 24.
- Halsey, Arthur S., Washington, D. C., assignor to the United States of America, as represented by the Secretary of Navy. Torpedo director. 2,439,209, Apr. 6.
- Halstead, Dorne N., Upper Montclair, N. J. Combination opener, lid, and pouring spout device. 2,442,126, May 25.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigarillo machine. 2,443,453, June 15.
- Halstead, Philip B., Hammersmith, London, England, assignor to West Road Co., Limited. Sparking plug. 2,436,644, Feb. 24.
- Halstead, William S., Huntington, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Traffic signaling system. 2,442,851, June 8.
- Halter, Ellen F., Philadelphia, Pa. Tabernacle safe having a revolvable inner casing. 2,436,569, Feb. 24.
- Halverson, Elmer L., Sacramento, Calif. Automatic water valve. 2,449,474, Sept. 14.
- Halvorsen, Elmer W., Worcester, Mass., assignor to The Torrington Manufacturing Company, Torrington, Conn. Spring coiling machine embodying a change speed mechanism. 2,455,863, Dec. 7.
- Halvorson, Halvor O., St. Paul, Minn. Process and system for treating sewage. 2,441,813, May 18.
- Halyard, Rosabelle, Brooklyn, N. Y. Joint brace for reducing swellings. 2,445,173, July 13.
- Ham, Garnet P.: *See—*
Barnes, Robert B., and Ham.
- Hamblet, Clement H.: *See—*
Weber, Arthur G., and Hamblet.
- Hamblet, Clement H., and A. McAlevey, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adipic acid process. 2,439,513, Apr. 13.
- Hamblin, Clyde M., Washington, D. C. Construction of flexible hose. 2,452,047, Oct. 26.
- Hamby, Allen E., Huntington Park, assignor to Byron Jackson Co., Vernon, Calif. Suspension for pipe tongs. 2,454,317, Nov. 23.
- Hamel, Georges R., Paris, France. Air-propeller with automatically variable pitch and diameter and controlled pitch variation. 2,442,291, May 25.
- Hamelin, Arthur, Pointe-aux-Trembles, Quebec, Canada. Sliding and swinging window construction. 2,444,225, June 29.
- Hamelin, Arthur, Pointe-aux-Trembles, Quebec, Canada. Double sash sliding and swinging window. 2,444,226, June 29.
- Hamer, Frances M., and E. B. Knott, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Trimethine cyanine dyes. 2,447,332, Aug. 17.
- Hamer, Francis R., West Asheville, N. C. Auxiliary door locking mechanism for automobiles. 2,446,828, Aug. 10.
- Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe-line fitting. 2,455,120, Nov. 30.
- Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Fitting for pipe lines. 2,455,121, Nov. 30.
- Hameseder, Carl, Stratford, Conn. Rotary airplane mount and synchronized wing adjustment. 2,447,247, Aug. 17.
- Hamiel, Dorman E., Columbus, Ohio. Nursing bottle. 2,434,611, Jan. 13.
- Hamiel, Dorman E., Columbus, Ohio. Air-vented nursing bottle. 2,434,612, Jan. 13.
- Hamilton, Alfred E., Pittsburgh, Pa. Grinding apparatus. 2,442,042, May 25.
- Hamilton, Alfred E., Pittsburgh, Pa. Abrasive roll. 2,448,884, Sept. 7.
- Hamilton Art Metal Corporation, assignee: *See—*
Wedemeyer, Eric.
- Hamilton, Cliff S., Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich. Amino arsenicals and preparing same. 2,435,392, Feb. 3.
- Hamilton, Cliff S., Lincoln, Nebr., and C. K. Banks, assignors to Parke, Davis & Company, Detroit, Mich. Arsenic derivatives and preparing same. 2,435,393, Feb. 3.
- Hamilton, Francis E.: *See—*
Lake, Clair D., and Hamilton.
- Hamilton, Fred A., assignor of one-half to J. P. Lesley, Easley, S. C. Jack strap and stirrup. 2,445,065, July 13.
- Hamilton, Hugh G., Baldwin, assignor to Eastern Air Devices, Inc., Brooklyn, N. Y. Gyroscope erection system. 2,438,213, Mar. 23.
- Hamilton, James C., Lexington, assignor to Combustion Control Corporation, Cambridge, Mass. Flame failure control apparatus. 2,434,924, Jan. 27.
- Hamilton, James D., Winnipeg, Manitoba, Canada. Illuminating device. 2,436,995, Mar. 2.
- Hamilton, James K., Plainfield, N. J., assignor to Air Reduction Company, Incorporated. Valve assembly for pressure regulators and the like. 2,447,067, Aug. 17.
- Hamilton, Joe W., West Los Angeles, Calif. Bookmarker. 2,457,662, Dec. 28.
- Hamilton, Keith C., McKeesport, Pa., assignor to National Tube Company. Manufacturing pipes and tubes. 2,445,352, July 20.

- Hamilton, Munroe H. : *See*—
Toland W. C., and Hamilton.
- Hamilton, Robert L., Birmingham, Ala. Wrist watch band. 2,450,136, Sept. 28.
- Hamilton, Robert M. : *See*—
Nichols, Peter L., Jr., and Hamilton.
- Hamilton, Virgil A., assignee : *See*—
Tatro, Frank B.
- Hamilton, Wallace, Albany, N. Y. Cartridge feeding mechanism for automatic guns. 2,454,251, Nov. 16.
- Hamilton Watch Company, assignee : *See*—
Bennett, William O., Jr.
- Hamilton, William F. : *See*—
Turnbull, Frederick M., and Hamilton.
- Hamlet, Darrel P., assignor to Continental Coffee Company, Chicago, Ill. Fluid mixing device. 2,437,601, Mar. 9.
- Hamlet, Darrel P., assignor to C. Bussert, Melrose Park, Ill. Device for preserving objects requiring liquid supply. 2,453,906, Nov. 16.
- Hamm, Gilbert, assignee : *See*—
Ford, Silas M., Jr.
- Hamman, Lyle J., assignor to Eaton Stamping Company, Eaton Rapids, Mich. Fishing rod holder. 2,442,357, June 1.
- Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Machine for applying plastic material. 2,452,565, Nov. 2.
- Hammarstrom, Bertil F., assignor to The Heald Machine Company, Worcester, Mass. Nonresilient mounting for electric motors. 2,440,897, May 4.
- Hammell, Frederick P., Washington, D. C. Clothes guard attachment for ironing boards. 2,454,381, Nov. 23.
- Hammell, Kemper M., and F. K. Comiskey, Detroit, Mich., assignors to Eureka Williams Corporation. Discharger. 2,438,751, Feb. 24.
- Hammell, Kemper M., Detroit, Mich., assignor to Eureka Williams Corporation. Coupling for suction cleaner attachments. 2,440,143, Apr. 20.
- Hammnell, Perry B., Buffalo, N. Y. Fire extinguisher apparatus. 2,441,700, May 18.
- Hammen, Russell F., Canton, Ohio. Bottle handling apparatus. 2,452,927, Nov. 2.
- Hammer, Charles, Garden City, N. Y. Making container closures. 2,444,506, July 6.
- Hammer, John J., Detroit, Mich. Traffic or display sign. 2,454,162, Nov. 16.
- Hammer, Samuel, New York, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Fastening means and combination. 2,454,695, Nov. 23.
- Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electromagnetically controlled switch. 2,449,221, Sept. 14.
- Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Power distribution system of the bus bar duct type. 2,453,314, Nov. 9.
- Hammerquist, William L., assignor to Electro Manganese Corporation, Knoxville, Tenn. Electrolyte purification in manganese electrowinning. 2,445,826, July 27.
- Hammers, James E., Aberdeen, S. Dak. Electrical scriber. 2,446,650, Aug. 10.
- Hammerstein, Arthur, Palatine, Ill. Dispensing device. 2,456,504, Dec. 14.
- Hammon, Alberta M., executrix : *See*—
Hammon, James H.
- Hammon, James H., deceased, by A. M. Hammon, executrix, Vincennes, Ind. Making multifocal ophthalmic lens blanks. 2,447,068, Aug. 17.
- Hammon, Lester, Poplar Bluff, Mo. Cornstalk lifting device. 2,449,603, Sept. 21.
- Hammond Aircraft Company, assignee : *See*—
Stevens, Don E.
- Hammond, Arthur O., assignor, by mesne assignments, to Elastrator Company Limited, Blenheim, New Zealand. Device for expanding rubber rings. 2,447,474, Aug. 17.
- Hammond, Edmund B., Jr., Brooklyn, and G. E. White, Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Fixed gun interaircraft fire control system. 2,433,843, Jan. 6.
- Hammond Instrument Company, assignee : *See*—
Hammond, Laurens.
- Hammond, Laurens, and Hanert.
- Hammond Iron Works, assignee : *See*—
Plummer, Fred L.
- Hammond, John H., Jr., Gloucester, Mass. Bomb detonating mechanism. 2,438,438, Mar. 23.
- Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y. Aerial bomb control system. 2,446,279, Aug. 3.
- Hammond, John H., Jr., Gloucester, Mass. Gas bomb. 2,453,842, Nov. 16.
- Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Steering control apparatus. 2,439,294, Apr. 6.
- Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, assignors to Hammond Instrument Company, Chicago, Ill. Speed responsive apparatus. 2,439,295, Apr. 6.
- Hammond Machinery Builders, Inc., assignee : *See*—
Kingsbury, Henry J.
Krueger, Edward C.
Sutton, Donald E.
- Hammond, William S. : *See*—
Winslow, Fred H., and Hammond.
- Hammontree, Jack C., Rifle, Colo. Rotary head for sanding machines. 2,453,222, Nov. 9.
- Hamner, Charles L. : *See*—
Schomer, Harold A., and Hamner.
- Hamner, James C. : *See*—
Hamner, James H., J. C., and L. H.
- Hamner, James H., J. C., and L. H., Clarksdale, Miss. Machine for picking cotton. 2,438,393, Mar. 23.
- Hamner, Lloyd H. : *See*—
Hamner, James H., J. C., and L. H.
- Hampel, Clifford A., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Pyrolysis of carbon chlorides. 2,447,410, Aug. 17.
- Hampel, Clifford A., Harvey, Ill., assignor to Mathieson Chemical Corporation. Treatment of water. 2,452,928, Nov. 2.
- Hampshire, William J., Cygnet, Ohio. Controlling the operation of wing and tail-elements of an airplane. 2,448,712, Sept. 7.
- Hampson, Frederick W., assignor to Plating Processes Corporation, Holyoke, Mass. Leak detector for the protective well of a thermal instrument sensitive element. 2,446,760, Aug. 10.
- Hampson, James R., Homestead, Pa. Explosive bomb for use as aerial bomb and land mine. 2,444,197, June 29.
- Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refining polymerized rosin. 2,447,009, Aug. 17.
- Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,454,795, Nov. 30.
- Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,454,796, Nov. 30.
- Hanafin, Joseph D., Chicago, Ill., assignor to W. A. Baum Co., Inc., New York, N. Y. Sphygmomanometer cuff, inflatable tourniquet or the like and forming the same. 2,444,161, June 29.
- Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Protective system. 2,457,663, Dec. 28.
- Hancock Manufacturing Company, assignee : *See*—
De Orlow, Stephen.
Marple, Kollo.
- Hancock, Myron S., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor winding. 2,447,647, Aug. 24.
- Hancock, Peter F. : *See*—
Robiette, Alfred G. B., and Hancock.
- Hancock, Robert H., Miami, Fla. Preheated fuel injection device for internal-combustion engines. 2,435,213, Feb. 3.
- Hancock, William T., Long Beach, Calif. Suppression of detonation in engines. 2,436,570, Feb. 24.
- Hancock, William T., Long Beach, Calif. Internal-combustion engine. 2,446,280, Aug. 3.
- Handfield, Arthur, Woonsocket, R. I. Electro therapeutic appliance. 2,444,098, June 29.
- Handi-Bag Co., assignee : *See*—
Ackerman, Max.
- Handler, Harry, assignor of one-half to N. Dworkin, Brooklyn, N. Y. Lighting unit. 2,434,108, Jan. 6.
- Handler, Harry, assignor of one-half to N. Dworkin, Brooklyn, N. Y. Spotlight. 2,437,522, Mar. 9.
- Hands, C. Alfred, assignee, et al. : *See*—
Engler, Herman.
- Handwerk, Erwin C. : *See*—
Mahler, George T., and Handwerk.
- Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,544, Dec. 28.
- Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,545, Dec. 28.
- Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,546, Dec. 28.
- Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Internally cooled zinc condenser. 2,457,547, Dec. 28.
- Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,548, Dec. 28.
- Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Apparatus for condensing zinc vapor. 2,457,549, Dec. 28.
- Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Vertical retort process for zinc smelting. 2,457,552, Dec. 28.
- Handwerk, Erwin C., G. T. Mahler, and H. C. Haupt, Palmerton, N. J., assignors to The New Jersey Zinc Company, New York, N. Y. Melting zinc dust. 2,457,553, Dec. 28.
- Hanert, John M. : *See*—
Hammond, Laurens, and Hanert.
- Hanes, James W. E., assignor to Ventura Tool Company, Ventura, Calif. Tool joint. 2,440,441, Apr. 27.

- Haney, Clifford I., Greenwich, Conn., and M. E. Martin, Cumberland, and D. L. Sherk, La Vale, Md., assignors to Celanese Corporation of America. Treatment of wood pulp. 2,442,332, June 1.
- Hanford, William E.: *See—*
Ford, Thomas A., and Hanford.
- Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Organic fluorethers and their preparation. 2,433,844, Jan. 6.
- Hanford, William E., Easton, Pa., and F. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene. 2,436,256, Feb. 17.
- Hanford, William E., Wilmington, and R. M. Joyce, Jr., Marshallton, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated hydrocarbons and their preparation. 2,440,800, May 4.
- Hanford, William E., and J. Harmon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reacting hydrogen chloride with olefinic compounds, and product. 2,440,801, May 4.
- Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining polymeric silicon compounds. 2,441,066, May 4.
- Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic fluorine-containing sulfur compounds and their preparation. 2,443,003, June 8.
- Hanford, William E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of potassium alcoholates. 2,451,945, Oct. 19.
- Hanford, William E., Easton, Pa., and J. R. Roland, assignors to E. I. du Pont de Nemours Company, Wilmington, Del. High molecular weight products of ethylene. 2,457,229, Dec. 28.
- Hanger, James E., III, assignor to Metal Limb Manufacturers, Inc., Washington, D. C. Knee structure for artificial legs. 2,452,459, Oct. 26.
- Hänggi, Max, Fehren, Switzerland. Shearing machine drive. 2,437,738, Mar. 16.
- Hanington, Charles A., Freeport, N. Y. Doctor blade structure. 2,445,140, July 13.
- Haniquet, George, Glendale, Calif. Positive feed food chopper. 2,436,107, Feb. 17.
- Hanke, Adolph W., Weleetka, Okla. Paraffin dislodging tool. 2,437,193, Mar. 2.
- Hanks, Elmer C., assignee: *See—*
Transon, Robert L.
- Hanle, Benjamin W., Elizabeth, N. J., assignor to Eagle Pencil Company. Mechanical pencil. 2,434,882, Jan. 20.
- Hanley, Herbert R., Rolla, Mo., and J. H. Jacobs, Boulder City, Nev. Electrowinning manganese. 2,439,805, Apr. 20.
- Hanley, Stanley M., assignee, et al.: *See—*
Bixby, William H.
- Hanley, William W., Wetumka, Okla. Full view peep sight. 2,439,086, Apr. 6.
- Hanlin, Robert A., Logansport, Ind. Lamp shade. 2,455,994, Dec. 14.
- Hann, Kenneth G., Brean, Wales, assignor to one-half to Elliott Equipment Limited, Cardiff, England. Inflatable article. 2,437,602, Mar. 9.
- Hanna, Atto N., Atlantic Highlands, N. J. Loose-leaf binder. 2,440,945, May 4.
- Hanna, Atto N., Atlantic Highlands, N. J. Hand-operated abrader. 2,457,466, Dec. 28.
- Hanna, Clinton R., and S. J. Mikina, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed responsive limit control. 2,442,001, May 25.
- Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Leveling and training mechanism. 2,457,228, Dec. 28.
- Hanna, Max R., Erie, Pa., assignor to General Electric Company. Manufacture of plural circuit connecting members. 2,455,864, Dec. 7.
- Hanna, Milton E., Albuquerque, N. Mex. Combustion chamber structure with spiral air inlet. 2,446,473, Aug. 3.
- Hanna, Ralph: *See—*
Turin, John J., and Hanna.
- Hanna, Raymond P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trolley conductor device. 2,438,007, Mar. 16.
- Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Y turnout for trolley systems. 2,442,002, May 25.
- Hanneman, Robert G., assignor to Air-Maze Corporation, Cleveland, Ohio. Multipointed electrode. 2,440,370, Apr. 27.
- Hanners, Cleburn T., Etna, Calif. Wood splitting machine. 2,446,585, Aug. 10.
- Hanners, Harvey W., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Fuel injection nozzle testing device for Diesel engines. 2,436,429, Feb. 24.
- Hannewald, Burton A., and H. D. Reimer, Indianapolis, Ind., assignors to Bemis Bros. Bag Company, St. Louis, Mo. Web cutter. 2,445,174, July 13.
- Hannifin Corporation, assignee: *See—*
Peterson, Victor W.
- Hannon, Lucile, Memphis, Tenn. Finger waving device. 2,448,263, Aug. 31.
- Hanrahan, Francis P., Washington, D. C., assignor to United States of America as represented by the Secretary of Agriculture. Heat exchanger. 2,445,115, July 13.
- Hansberry, Lloyd E., San Francisco, Calif. Heel bone traction splint. 2,438,664, Mar. 30.
- Hansel, Paul G., Red Bank, N. J. Radio direction finder. 2,440,682, May 4.
- Hansel, Paul G., Red Bank, N. J. Radio compass. 2,449,553, Sept. 21.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cold cathode electron discharge device and circuits therefor. 2,448,527, Sept. 7.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio listening buoy. 2,448,713, Sept. 7.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Gas discharge oscillator. 2,450,475, Oct. 5.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Distance selective system. 2,455,673, Dec. 7.
- Hansen, Ariel E. and C. F., Long Beach, Calif. Adjustable bracket. 2,443,242, June 15.
- Hansen, Charles F.: *See—*
Hansen, Ariel E., and C. F.
- Hansen, Charles W., and F. N. G. Kranick, assignors to J. I. Case Company, Racine, Wis. Windrow device. 2,455,122, Nov. 30.
- Hansen, Edward, Queens Village, and G. O. Davis, Kew Gardens, N. Y., assignors, by mesne assignments, to Standard Broadcasting Company. Heat dissipation for electronic tube apparatus. 2,453,433, Nov. 9.
- Hansen, Edward H., assignor to Elkhart Brass Manufacturing Company, Inc., Elkhart, Ind. Readily detachable expander in apparatus for attaching couplings to hose. 2,444,601, July 6.
- Hansen, Elmer F., Highland Park, Mich. Painter's accessory. 2,436,924, Mar. 2.
- Hansen, Ernest C., New Orleans, La. Clothesline. 2,448,310, Aug. 31.
- Hansen, Fred A.: *See—*
Haug, Eugene H., and Hansen.
- Hansen, Fred E., Lakewood, Ohio. Valved joint. 2,440,946, May 4.
- Hansen, Fred E., Lakewood, Ohio. Coupling. 2,449,938, Sept. 21.
- Hansen, George H., Jr., assignor to C. E. Hovey, trustee, Kansas City, Mo. Bottle decapping and pouring mechanism for vending machines. 2,438,050, Mar. 16.
- Hansen, Hans A.: *See—*
Cox, Parker G., and Hansen.
- Hansen, Hans J., Chicago, Ill. Automatically supplying distilled water to storage batteries. 2,433,989, Jan. 6.
- Hansen, Harry: *See—*
Eberle, Frank V., and Hansen.
- Hansen, John C., Avon, N. J. Modulator circuit. 2,449,998, Sept. 28.
- Hansen, John N.: *See—*
Britton, Edgar C., and Hansen.
- Hansen, Julius E., Rochester, N. Y. Goggles. 2,443,422, June 15.
- Hansen, Laurits A., Philadelphia, Pa., and K. E. Forsberg, Pittman, N. J. Boatbuilder's clamp. 2,441,020, May 4.
- Hansen Mfg. Company, assignee: *See—*
Hansen, William L., and Hurst.
- Hansen Manufacturing Company Incorporated, assignee: *See—*
Hansen, William L., and Manson.
- Hansen Manufacturing Company, The, Inc., assignee: *See—*
Hansen, William L., and Hurst.
- Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. System for dispensing a liquefied gas. 2,449,378, Sept. 14.
- Hansen, Rolf K., Bloomington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glass sealing method and machine. 2,452,652, Nov. 2.
- Hansen, Roy A.: *See—*
Nicolin, George, and Hansen.
- Hansen, Wilbur W., Avon, N. J. Selector system. 2,441,145, May 11.
- Hansen, William L., and H. G. Manson, assignors to Hansen Manufacturing Company Incorporated, Princeton, Ind. Motor terminal binding post. 2,436,042, Feb. 17.
- Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Princeton, Ind. Synchronous motor. 2,450,955, Oct. 12.
- Hansen, William L., and I. N. Hurst, assignors to The Hansen Manufacturing Company, Inc., Princeton, Ind. Speed control mechanism for electric motors. 2,456,701, Dec. 21.
- Hansen, William W.: *See—*
Snow, Donald L., and Hansen.
- Varian, Russell H., Hansen, and Woodyard.
- Hansen, William W., Garden City, N. Y., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High efficiency resonant circuit. Re. 23,019, July 27.

- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency filter structure. 2,438,913, Apr. 6.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Wave guide impedance transformer. 2,438,914, Apr. 6.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency terminating impedance. 2,438,915, Apr. 6.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Resonator wave meter. 2,439,388, Apr. 13.
- Hansen, William W., Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Modulation system. Re. 22,990, Mar. 23.
- Hansen, William W., and J. R. Woodyard, Garden City, and Morris Relson, Kew Garden, N. Y., assignors to The Sperry Corporation. Impedance transformer. 2,438,912, Apr. 6.
- Hansen, William W., Garden City, and R. H. Varian, Bellmore, N. Y., assignors to The Sperry Corporation. Electronic tuning control. 2,439,387, Apr. 13.
- Hansen, William W., and J. R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency tube structure. 2,450,893, Oct. 12.
- Hansen, William W., and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. Frequency conversion apparatus. 2,452,048, Oct. 26.
- Hansen, William W., and J. R. Woodyard, Garden City, N. Y., assignors to The Sperry Corporation. Ultra high frequency circuit and method. 2,452,566, Nov. 2.
- Hansford, Rowland C.: See—
Rasmussen, Herbert E., and Hansford.
- Hansford, Rowland C., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,436,257, Feb. 17.
- Hansford, Rowland C., and H. E. Rasmussen, Woodbury, N. J., C. G. Myers, Bryn Mawr, Pa., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of thiophene. 2,450,658, Oct. 5.
- Hansford, Rowland C., H. E. Rasmussen, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfur and hydrocarbon reactions and products. 2,450,659, Oct. 5.
- Hansging, Fritz J., Black Mountain, N. C., assignor to The Permanente Metals Corporation, Oakland, Calif. Magnesium production. 2,437,815, Mar. 16.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of 1-cyanobutadiene-1,3 from acetic acid by azeotropic distillation. 2,452,460, Oct. 26.
- Hansley, Virgil L., and J. E. Bristol, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanhydrin esters. 2,456,188, Dec. 14.
- Hanson, Benjamin R., Dayton, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Making predoped fabric. 2,444,507, July 6.
- Hanson, Edward, Cleveland, assignor of one-tenth to G. B. Pitts, Cleveland Heights, Ohio. Packing. 2,444,874, July 6.
- Hanson, Estley D., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for shearing strips of plastic material. 2,456,699, Dec. 21.
- Hanson, Frank E.: See—
Richa, John H., and Hanson.
- Hanson, George E. H., Los Angeles, Calif., assignor to Radio Corporation of America. Picture sound record production. 2,445,827, July 27.
- Hanson, James: See—
Childs, David, Braun, and Hanson.
- Hanson, John C.: See—
Glover, John E., Jr., and Hanson.
- Hanson, Kenneth L., Minneapolis, Minn. Article holder for attachment to automobile visors. 2,453,843, Nov. 16.
- Hanson, Newell B., Lake Lillian, Minn. Concrete block machine. 2,457,368, Dec. 28.
- Hanson, Peter P., Pocahontas, Iowa. Milk can strainer accommodating attachment. 2,450,510, Oct. 5.
- Hanson, Wesley T., Jr., Knoxville, assignor to Eastman Kodak Company, Rochester, N. Y. Integral mask for color film. 2,449,966, Sept. 21.
- Hanson, Wesley T., Jr., and T. H. Farrell, assignors to Eastman Kodak Company, Rochester, N. Y. Producing multicolor photographic images in a single emulsion layer. 2,443,909, June 22.
- Hapman Conveyors, Inc., assignee: See—
Hapman, Henry W.
- Hapman, Henry W., assignor to Hapman Conveyors, Inc., Detroit, Mich. Conveyor structure with pivoted buckets. 2,435,498, Feb. 3.
- Happe, Reynold: See—
Turner, Edgar P., and Happe.
- Happe, Reynold, Pittstown, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Control means for portable electric tools. 2,441,096, May 4.
- Happe, Reynold, Pittstown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Brush assembly for dynamoelectric machines. 2,444,826, July 6.
- Happel, John, Brooklyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Cracking process to produce gaseous olefins. 2,439,730, Apr. 13.
- Happel, John, Brooklyn, and S. P. Cauley, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Reducing the mercaptan sulfur content of hydrocarbon oils. 2,453,067, Nov. 2.
- Happley, Joseph P., assignee: See—
Meyer, Arthur W.
- Happoldt, William B., Jr., Arlington, and A. Stockfleth, North Arlington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymer compositions. 2,448,799, Sept. 7.
- Harasta, Clarence J., Los Angeles, Calif., assignor of twenty-five per cent to R. M. Lynn, twenty-five per cent to J. M. Lynn, and twenty-five per cent to M. A. Harasta. Aircraft gun sight having adjustable transparent reflector means. 2,434,109, Jan. 6.
- Harasta, Mildred A., assignee, et al.: See—
Harasta, Clarence J.
- Harbanoff, Joseph W., New York, N. Y. Device for slicing eggs into layers. 2,455,416, Dec. 7.
- Harbaugh, Walter, Indianapolis, Ind. Hydraulic crane. 2,446,586, Aug. 10.
- Harbaugh, Watson D.: See—
Strauss, Alfred, Feltman, Hunt, and Harbaugh.
- Harbison, Benjamin F., Rocky Ford, Colo. Continuous sediment separator. 2,456,189, Dec. 14.
- Harbison, Joseph C., assignor of forty-three and one-third per cent to O. Roberts, Eldorado, Ill. Milling attachments for lathes. 2,453,315, Nov. 9.
- Harbison-Walker Refractories Company, assignee: See—
Young, Clair I.
- Harbison, William H., Altadena, Calif. Lock hinge. 2,441,318, May 11.
- Harder, Edwin L., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,454,164, Nov. 16.
- Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system. 2,454,163, Nov. 16.
- Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,456,938, Dec. 21.
- Harder, Edwin L., Pittsburgh, and E. I. Pollard, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,454,165, Nov. 16.
- Harder, George W., Louisville, Ky. Boat loading device. 2,448,591, Sept. 7.
- Harder, William D., Chicago, Ill. Tie for concrete wall forms. 2,453,434, Nov. 9.
- Hardesty, George K. C., Seat Pleasant, Md. Illuminated indicator using light polarizing elements. 2,454,280, Nov. 23.
- Hardey, Edwin F., Kansas City, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Blower type radiant heater. 2,456,781, Dec. 21.
- Hardgrove, Ralph M.: See—
Bailey, Ervin G., and Hardgrove.
- Bailey, Ervin G., Hardgrove, and Stillman.
- Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Air swept pulverizer for use in closed-circuit pulverized material transport systems. 2,436,488, Feb. 24.
- Hardie, George C., Brooklyn, N. Y. Bolt rethreading apparatus. 2,444,602, July 6.
- Hardie, Harry, assignor to The Nobel Company, Baltimore, Md. Band for garments. 2,438,804, Mar. 30.
- Hardie, James H., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Door latching mechanism. 2,436,769, Feb. 24.
- Hardin, Carl E., assignee, et al.: See—
Hardin, George P.
- Hardin, Carlton B., assignee, et al.: See—
Hardin, George P.
- Hardin, George P., assignor of one-third to C. B. Hardin and one-third to C. E. Hardin, Atlanta, Ga. Liquid float circuit breaker. 2,448,096, Aug. 31.
- Hardin, Hubert W., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open top refrigerated display case. 2,447,699, Aug. 24.
- Harding, Clarke T.: See—
Rupp, Walter H., and Harding.
- Harding, Claude J., Abernathy, Tex. Refuse incinerator with tin can compartment. 2,442,950, June 8.
- Harding, Harry C., Trucksville, Pa. Helmet. 2,457,554, Dec. 28.
- Harding, Henry V., Royal Oak, Mich., assignor to Elox Corporation. Disintegrating or removing metallic material. 2,441,319, May 11.
- Harding, Milo M.: See—
Bailey, Richard W., and Harding.
- Harding, Milo, Co., assignor: See—
Bailey, Richard W., and Harding.
- Harding, Robert L.: See—
Mott, Chester, Chouinard, and Harding.
- Harding, Watson G., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Corrugated tube manufacture. 2,446,281, Aug. 3.

- Harding, William R.: *See*—
Kenyon, Alonzo F., and Harding.
- Harding, William R., Export, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plural electric motor control system. 2,454,166, Nov. 16.
- Hardinge Brothers, Inc., assignee: *See*—
Daddona, Anthony J.
Strom, David W.
- Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Preparing chloroalkylamine hydrochlorides. 2,443,385, June 15.
- Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Dithio acid derivatives. 2,448,714, Sept. 7.
- Hardt, Ben F.: *See*—
Noble, John C., and Hardt.
- Hardware Products Co.: *See*—
Nissenbaum, Moses D.
- Hardwick, Christopher L., Cleveland, Tenn. Clamping means. 2,440,798, May 4.
- Hardwick, Hindle, Inc., assignee: *See*—
Hastings, Donald F.
- Hardwick, Pierre M., Los Angeles, Calif. Swivel coupling. 2,449,744, Sept. 21.
- Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y. Color facsimile. 2,434,561, Jan. 13.
- Hardy, Donovan H., Los Angeles, Calif. Flexible heel adjuster. 2,446,369, Aug. 3.
- Hardy, Edgar E.: *See*—
Slocumbe, Robert J., and Hardy.
- Hardy, Elizabeth M.: *See*—
Scalera, Mario, Lester, and Hardy.
- Hardy, Gordon W., Cleveland Heights, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Controllable pitch propeller mechanism. 2,433,990, Jan. 6.
- Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Adjustable pitch propeller. 2,435,540, Feb. 3.
- Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Forming propeller hubs. 2,450,660, Oct. 5.
- Hardy, Lloyd A., Cambridge, Ill., assignor to International Harvester Company. Safety shield for tractor power take-offs. 2,443,035, June 8.
- Hardy, Paul E., Elizabeth, N. J., assignor to Standard Oil Development Company. Treatment of styrene-isobutylene polymer films and resultant product. 2,446,536, Aug. 10.
- Hardy, Peter S., Bridgeport, Conn. Making castings. 2,445,141, July 13.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation. Electromagnetic wave direction indicator. 2,440,268, Apr. 27.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic wave direction responsive apparatus. 2,445,779, July 27.
- Hardy, René, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. System for radio direction finding and similar purposes. 2,447,502, Aug. 24.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio-electric receiver, particularly for watch on broad frequency bands. 2,454,797, Nov. 30.
- Hardy, Vaughn H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Centrifugal switch. 2,446,923, Aug. 10.
- Hardy, Warren D., Roanoke, Va. Apparatus for receiving and dumping refuse. 2,452,751, Nov. 2.
- Hare, Donald G. C., Roslyn, assignor to Texaco Development Corporation, New York, N. Y. Radiation detector. 2,440,511, Apr. 27.
- Hare, Donald G. C., Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Wide-range audio-frequency amplifier. 2,455,332, Nov. 30.
- Hare, Willis G., and C. B. Roebuck, Jr., assignors of one-third to W. A. Gay, Jr., Philadelphia, Pa. Game. 2,453,907, Nov. 16.
- Haren, Urban C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for molding strip material. 2,443,386, June 15.
- Harford, Dwight L., assignor to A. P. Johnson, Downey, Calif. Multivoltage dry battery. 2,449,811, Sept. 21.
- Hargett, Huston L.: *See*—
Hilton, Harold L. and H. C., and Hargett.
- Hargrave, John E., Sublime, Point Kiosk, Thirroul, and E. G. Chamberlain, Thirroul, Australia. Detachable handle. 2,445,265, July 13.
- Hargreaves, Robert, and A. O. Roy, assignors to Whitin Machine Works, Whitinsville, Mass. Spindle brake. 2,449,773, Sept. 21.
- Hargrove, Berthal W., Mayfield, Ky. Tunable oscillator. 2,440,269, Apr. 27.
- Harhay, John, assignor to Los Angeles Paper Box Factory, Los Angeles, Calif. Bottle carrier. 2,453,908, Nov. 16.
- Harig Manufacturing Company, assignee: *See*—
Eckert, Theodore.
- Haringx, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Film driving apparatus. 2,456,702, Dec. 21.
- Harjes, Albert C., Flushing, N. Y. Trick electrical lamp with secret operation. 2,457,665, Dec. 28.
- Harjes, Albert C., Flushing, N. Y. Trick electrical lamp with secret operation. 2,457,666, Dec. 28.
- Harju, Walter A., Daly City, Calif. Window shade. 2,448,800, Sept. 7.
- Harker, Donald C.: *See*—
Baker, Benjamin P., and Harker.
- Harker, Maurice G.: *See*—
White, Eric L. C., Harker, and Houchin.
- Harkness, Joseph R.: *See*—
Wargin, Edward F., and Harkness.
- Harkness, Joseph R., Schenectady, N. Y., assignor to General Electric Company. Cam mechanism. 2,452,372, Oct. 26.
- Harkness, Travis O., Shreveport, La., assignor, by mesne assignments, to C. H. C. Patent Corporation, Texarkana, Tex. Seismic exploration operations. 2,449,037, Sept. 7.
- Harkins, George T., Wichita, Kans. Flare. 2,441,242, May 11.
- Harlamoff, Anatol J., South Gate, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Multistage centrifugal pump. 2,450,137, Sept. 28.
- Harlan, John L., Houston, Tex., assignor to Standard Oil Development Company. Resolving petroleum emulsions. 2,454,382, Nov. 23.
- Harle, Karl C.: *See*—
Eksergian, Carolus L., Temple, and Harle.
- Harless, William H., East Moriches, N. Y. Saw setting and filing device. 2,440,898, May 4.
- Harley, Earle L., Brooklyn, assignor to H. H. Heinrich, Inc., New York, N. Y. Registering flat bed color printing elements with their fixed registry elements. 2,452,373, Oct. 26.
- Harman, Bernice, Flushing, N. Y. Brassière. 2,457,369, Dec. 28.
- Harman, Denham: *See*—
White, Ellis R., and Harman.
- Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Accelerator of vulcanization. 2,441,223, May 11.
- Harmon, Cletus L.: *See*—
Tierney, William J., Harmon, and Villemure.
- Harmon, Herbert H., assignor to Eastman Kodak Company, Rochester, N. Y. Flash holder. 2,443,163, June 8.
- Harmon, Jesse: *See*—
Hanford, William E., and Harmon.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluorocyclobutenes. 2,436,142, Feb. 17.
- Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Combined magneto and alternator. 2,446,761, Aug. 10.
- Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Distributor. 2,451,675, Oct. 19.
- Harmon, Robert R., Charlottesville, Va., assignor to Peabody Engineering Corporation, New York, N. Y. Gas scrubber. 2,457,667, Dec. 28.
- Harmon, William S.: *See*—
Graft, William R., and Harmon.
- Harner, Harold R., R. L. Lindemuth, and A. L. Jones, Joplin, Mo., assignors to The Eagle-Picher Company, Cincinnati, Ohio. Apparatus for diverting mineral wool from blow rooms. 2,450,511, Oct. 5.
- Harness, Russell R., Elwood, Ind. Baby chick shipping box. 2,449,222, Sept. 14.
- Harney, William S., Jr., Elizabeth, and E. H. Amick, Jr., Linden, N. J., assignors to Standard Oil Development Company. Dehydration of methyl ethyl ketone by azeotropic distillation under superatmospheric pressure. 2,454,447, Nov. 23.
- Harnischfeger Corporation, assignee: *See*—
Andersen, Nils P. E.
Burdick, Will S.
Pervier, Charles F.
- Harnish, John D.: *See*—
Fischer, Eugene H., Harnish, and Russell.
- Harquist, Harry W., Rockford, Ill. Toy building block. 2,446,179, Aug. 3.
- Harold, Edwin P., Menasha, Wis. Antiskid chain. 2,450,042, Sept. 28.
- Harp, Charles B., Los Angeles, Calif. Desilting basin. 2,442,358, June 1.
- Harper, Elmer E., deceased, by E. P. Harper, executrix, Monrovia, Calif. Loose-leaf binder. 2,453,507, Nov. 9.
- Harper, Esther P., executrix: *See*—
Harper, Elmer E.
- Harper, George M., Jr., assignee: *See*—
Webb, Byron H.
- Harper, Glen W., Manhattan, Kans. Terminal and clamp therefor. 2,445,946, July 27.
- Harper, James G., and Cecil W. Hopkins, assignors to Landis Machine Company, Waynesboro, Pa. Wheel dressing mechanism. 2,447,503, Aug. 24.
- Harper, Kennard W.: *See*—
Peck, William F., Harper, and Estey.

- Harper, Lyndus E., assignor to Omega Machine Company, Kansas City, Mo. Disk feeder having material scraper and material agitators. 2,435,039, Jan. 27.
- Harpole, Thomas M., and L. S. Pawkett, San Antonio, Tex. Hanging appliance. 2,442,410, June 1.
- Harpster, Raymond B., Kansas City, Mo. Iron cord holder. 2,444,350, June 29.
- Harralson, Robert W.: *See—*
Beard, Joseph G., Harralson, and Kreithen.
- Harrel, Chastain G., and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. High fat ingredients for soup and the like production. 2,440,604, Apr. 27.
- Harrer, Paul H., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hitch. 2,438,749, Mar. 30.
- Harriman, Flora L., Lansing, Mich. Hosiery protector. 2,449,115, Sept. 14.
- Harriman, William R., assignee, et al.: *See—*
Elder, Esther R.
- Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Consistometer. 2,437,194, Mar. 2.
- Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Incorporating solid fats in liquid fatty mixtures. 2,446,178, Aug. 3.
- Harrington, Esther A., assignee, et al.: *See—*
Elder, Esther R.
- Harrington, Ferris T.: *See—*
Herman, Albert D., and Harrington.
- Harrington, George A., and E. Gorin, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated. Production of methacrylic acid. 2,438,164, Mar. 23.
- Harrington, Joseph, Riverside, Ill. Centrifugal separation of solids according to specific gravity. 2,454,798, Nov. 30.
- Harrington, Joseph, Jr., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fire control mechanism for guns. 2,450,551, Oct. 5.
- Harrington, Lester B., assignor to Autopulse Corporation, Detroit, Mich. Electromagnetic motor. 2,442,203, May 25.
- Harris, Alexander, Scobeyville, N. J., assignor to Ronson Art Metal Works, Inc. Fuel indicating lighter. 2,454,872, Nov. 30.
- Harris, Asa J., Long Beach, Calif. Door latch. 2,452,461, Oct. 26.
- Harris, Carl C., Orange, Mass. One-piece wooden body pencil. 2,450,476, Oct. 5.
- Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogen peroxide by the partial oxidation of hydroaromatic hydrocarbons. 2,443,503, June 15.
- Harris, Charles R., Lockport, and W. W. De Atley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of nitriles from certain olefins and HCN. 2,455,995, Dec. 14.
- Harris, Clarence E., Laurens, S. C. Connecting the dobby jack and the harness frame of a loom. 2,437,739, Mar. 16.
- Harris, Elmer F., Birmingham, Ala., assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation. Electrodeposition of tin. 2,450,794, Oct. 5.
- Harris, Elmer F., Birmingham, Ala., assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation. Electrodeposition of tin. 2,450,795, Oct. 5.
- Harris, Ford W., assignor, by mesne assignments, to The Calpat Corporation, Los Angeles, Calif. Reverse gear. 2,455,481, Dec. 7.
- Harris, Forest K.: *See—*
Peters, Chauncey G., Harris, Emerson, Cooter & Nefflen.
- Harris, Forist, Merced, Calif. Sanding machine. 2,454,650, Nov. 23.
- Harris, Frank C., Bay Village, assignor to The American Mono-Rail Company, Cleveland, Ohio. Electrified conveyer. 2,443,387, June 15.
- Harris, George C., assignor to Hercules Powder Company, Wilmington, Del. Derivative of the adduct of levopimaric acids and maleic anhydride and preparation thereof. 2,447,750, Aug. 24.
- Harris, Glenn F.: *See—*
Hallier, Albert H., Harris, Kincaid, Denson and Davis.
- Harris, Harry L., Sr., Freeport, Tex. Tong sharpener. 2,442,084, May 25.
- Harris, Herbert, Jr.: *See—*
White, Walter T., and Harris.
- Harris, John S.: *See—*
Kaberg, Russell A., and Harris.
- Harris Langenberg Hat Co., assignee: *See—*
Kohler, Oliver and William Rieder.
- Harris, Leonard O. D., Clifton, Va., and W. P. Padgett, Forest City, N. C.; said Padgett, assignor to said Harris. Rotary vegetable cutter on a horizontal axis with a follower feed. 2,452,567, Nov. 2.
- Harris, Leslie M., Williamsville, N. Y., assignor to Curtiss-Wright Corporation. Stabilized oscillator. 2,447,248, Aug. 17.
- Harris, Louise E., Macon, Ga. Bathtub. 2,456,275, Dec. 14.
- Harris, Loyal E., assignee: *See—*
Chambers, Paul A.
- Harris Manufacturing Company, assignee: *See—*
Inskip, Oliver W.
- Harris, Milton: *See—*
Clapham, Harry F., Harris, and Smith.
- Harris, Milton, Bethesda, Md., assignor to Textile Foundation, Washington, D. C. Treating animal fibers and product thereof. 2,434,562, Jan. 13.
- Harris, Milton A., Gloucester, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp locking device. 2,455,333, Nov. 30.
- Harris, Norman C.: *See—*
Whann, Jesse P., and Harris.
- Harris Research Laboratories, assignee: *See—*
Clapham, Harry F., Harris, and Smith.
- Harris, Robert D., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Buffing machine. 2,453,316, Nov. 9.
- Harris, Robert W.: *See—*
Kline, Bernard L., and Harris.
- Harris-Seybold Company, assignee: *See—*
Harold, Charles W., and Meyer.
- Spiller, William R.
- Harris, Stanton A.: *See—*
Peck, Robert L., Harris, Mozingo, Wolf, and Folkers.
- Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 2-alkylidene-3-keto-4-acylamido-tetrahydrothiophene. 2,452,653, Nov. 2.
- Harris, Walter R.: *See—*
Baker, Rest B., and Harris.
- Kerr, Theodore W., Jr., and Harris.
- Harris, Walter R., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,449,475, Sept. 14.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current regulating generator and control. 2,447,648, Aug. 24.
- Harris, Walter R., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc furnace electrode regulator system. 2,442,003, May 25.
- Harris, Walter R., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,451,946, Oct. 19.
- Harris, William A.: *See—*
Young, William D., and Harris.
- Harrison, Arthur E.: *See—*
Ferrill, Thomas M., Jr., and Harrison.
- Harrison, Arthur E., Oceanside, N. Y., assignor to The Sperry Corporation. Wave meter. 2,440,041, June 29.
- Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. Frequency control apparatus and method. 2,444,928, July 13.
- Harrison, Arthur Y., Arlington Heights, and E. G. Pinkerton, Dedham, assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Finishing plastic sheet material. 2,442,598, June 1.
- Harrison, Burnett, assignee: *See—*
Foster, Cyril J.
- Harrison, Charles W., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal oscillator circuits. 2,444,349, June 29.
- Harrison, Eugene I., Downers Grove, Ill., assignor of one-half to J. J. Bailey, Chicago, Ill. Finishing device. 2,440,856, May 4.
- Harrison, Frank E., Seattle, Wash. Spring release mechanism. 2,441,146, May 11.
- Harrison, George T., Tilgham, Md. Preparing and packing menhaden for marketing. 2,453,625, Nov. 9.
- Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Interferometric light valve. 2,455,763, Dec. 7.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar switch. 2,447,010, Aug. 17.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,452,568, Nov. 2.
- Harrison, Hugh A., Waterloo, Iowa. Sectional scaffold. 2,449,069, Sept. 14.
- Harrison, Jack B.: *See—*
Charlton, William, and Harrison.
- Harrison, James J.: *See—*
Barnes, Wilbur L., and Harrison.
- Harrison, James M.: *See—*
Berg, Lloyd, and Harrison.
- Harrison, John F., and C. F. Greiner, assignors to The Buffalo-Springfield Roller Co., Springfield, Ohio. Self-propelled tamping roller. 2,437,524, Mar. 9.
- Harrison, John W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric heating apparatus and control. 2,447,649, Aug. 24.
- Harrison, Meyer, and S. B. Korman, Pittsburgh, Pa. Metal awning construction. 2,442,891, June 8.
- Harrison, Raymond B., Arlington, Mass. Safety shoe. 2,457,664, Dec. 28.
- Harrison, Schuyler B., executor, et al.: *See—*
Watson, Thomas J., Beattie, and Fuller.
- Harrison, Thomas R., Wyncote, and L. B. Cherry, Philadelphia, assignors to The Brown Instrument Company, Philadelphia, Pa. Antihunt electrical control system. 2,442,329, May 25.
- Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Antihunt electrical servomotor system. 2,449,476, Sept. 14.
- Harrison, William J.: *See—*
Powers, Donald H., and Harrison.

- Harrold, Charles W., and H. F. Meyer, University Heights, Ohio, assignors to Harris-Seybold Company. Inker. 2,448,975, Sept. 7.
- Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Motor protective switching system. 2,446,474, Aug. 3.
- Harry, Geoffrey M., Oak Park, Ill. Variable-speed transmission. 2,455,483, Dec. 7.
- Harry, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave signaling device. 2,435,587, Feb. 10.
- Harsh, Harold C., R. M. Haff, and F. J. Kaszuba, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Dye composition for color photography. 2,447,462, Aug. 17.
- Harshaw Chemical Company, assignee: *See*—Seabright, Clarence A.
- Harshaw Chemical Company, The, assignee: *See*—Du Rose, Arthur.
- Halbedel, Harold S., Cardon, and Shenk. Kremers, Harry C., and Price. Pine, Paul R. Pine, Paul R., and Ray. Smith, Leslie N.
- Harshbarger, Walter J., New York, N. Y., and D. R. Putt, Jersey City, N. J., assignors to R. Cole, New York, N. Y. Automatic electronic aircraft flight control or pilot. 2,457,280, Dec. 28.
- Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Article-handling tool. 2,440,771, May 4.
- Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Fluid clutch, governor controlled. 2,453,791, Nov. 16.
- Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Stall cock for milking machines. 2,456,276, Dec. 14.
- Hart, Carl E., assignor of one-third to C. J. Frederickson and one-third to P. J. Mueller, Miami, Fla. Plug connector. 2,448,592, Sept. 7.
- Hart, Carl R., New Haven, Ind. Automatic phonograph. 2,457,668, Dec. 28.
- Hart-Carter Company, assignee: *See*—Longenecker, Ernst A.
- Hart & Cooley Manufacturing Company, assignee: *See*—Van Alsburg, Jerold H.
- Hart, David, and H. J. Eppig, Dover, N. J. Producing protective coatings on magnesium powder. 2,454,799, Nov. 30.
- Hart, Edward, San Marino, Calif., assignor to A. O. Smith Corporation. Centrifugal pump with impeller supporting wear rings. 2,440,947, May 4.
- Hart, Edward W., San Diego, Calif. Magnetic compass. 2,437,692, Mar. 16.
- Hart, Elmer J., Vancouver, Wash. Power transmission. 2,442,169, May 25.
- Hart, Frank J.: *See*—Pond, William B., and Hart.
- Hart, Fred J., Salinas, assignor of one-half to College of electronic Medicine, San Francisco, Calif. Electrical therapeutic device. 2,438,605, Mar. 30.
- Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,455,482, Dec. 7.
- Hart, Fred V., and F. L. Mooney, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,439,889, Apr. 20.
- Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Electrode retaining clamps for marginal bonding with high-frequency electric field. 2,450,956, Oct. 12.
- Hart, Gladys M., Portland, Oreg. Two-purpose body garment. 2,436,430, Feb. 24.
- Hart, James W., assignor, by mesne assignments, of one-half to N. Del Genio, Oak Ridge, Tenn. Form for plastic structural work. 2,442,292, May 25.
- Hart, John, Tacoma, Wash. Apparatus for producing drop shot. 2,436,211, Feb. 17.
- Hart, John H.: *See*—Fawcett, Cecil C., and Hart.
- Hart, John J., Bryn Mawr, Pa., assignor to the United States of America, as represented by the Secretary of War. Mechanical time fuse. 2,450,894, Oct. 12.
- Hart, John J., Pittsburgh, Pa. Highway sewer. 2,440,857, May 4.
- Hart, Kenneth V., Cleveland, Ohio. Electric welding apparatus. 2,455,057, Nov. 30.
- Hart, Ormal W.: *See*—Shaw, Milton C., and Hart.
- Hart, Philip R., assignor of one-half to A. Nelson, Alameda, Calif. Fishing rod holder. 2,446,282, Aug. 3.
- Hart, Raymond S., Brooklyn, N. Y. Static suppressor for moisture meters. 2,457,669, Dec. 28.
- Hart, Thomas W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Edge finishing machine. 2,456,123, Dec. 14.
- Hart, William F.: *See*—Niederl, Joseph B., and Hart.
- Harter, Isaac, and E. F. Wilson, Akron, and E. C. Hoge, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Multiple electrode arc welding. 2,436,887, Feb. 24.
- Hartford-Empire Company, assignee: *See*—Baker, Theodore C. Lyle, Aaron K.
- Hartford National Bank and Trust Company, assignee, trustee: *See*—Alma, Geritt H. P., Cohen, and Landsbergen. Bailey, Christopher E. G. Bienfait, Henry, and van der Willigen. Bouman, Johannes A. J. De Boer, Jan H. De Boer, Kornelis. Deetman, Cornelis. De Lange, Cornelis. De Vries, Gerrit. Dorgelo, Eduard G. Dorjée, Hendrik. Ensink, Johannes. Fast, Johann D. Fennema, Pieter H., Kronouer, and Prakke. Haantjes, Johan. Hagenberg, Theodorius. Haringx, Johannes A. Heyn, Frans A. Jonker, Johan L. H. Kalf, Louis C., and Legras. Klinkhamer, Hendrik A. W., and Cassee. Knol, Kornelis S., and van Hofweegen. Labin, Edouard and Kobilsky. Latimer, Kenneth E., and Smith. Lemmens, Hendricus J., Jonker, and van Steenis. Levioldi, Andres. Lindenhovius, Hendrik J. Loosjes, Robert. Martin, Edward C. Mulder, Johannes G. W. Mulder, Johannes G. W., and Bouwers. Payne, Charles E. Posthumus, Klaas. Rathenau, Gerhard, Kruihof, and Hartveld. Richards, Claude Langdon. Roovers, Wilhelmus A. Rubin, Leon. Schmidt, Gerrit. Siezen, Gerrit J. Sleepers, Paulus A. W. M. Snijders, Marcus J. Stigter, Willem H. Strutt, Maximilian J. O. Strutt, Maximilian J. O., and van der Ziel. Strutt, Maximilian J. O., van der Ziel, and van Overbeek. Unk, Jacob M. Van Alphen, Pieter M. Van Amstel, Johannes J. A. P. Van den Berge, Hendrik J., and Hube. Van der Heem, Jan. Van der Mark, Jan, and Weyers. Van der Ven, Adrianus J. H. Van der Vliet, Jacob, and Stevens. Van Der Ziel, Aldert, and Strutt. Van Geel, Willem C. Van Loon, Carel Jan. Van Overbeek, Andriaus J. W. M. Van Weenen, Franciscus L., and Stigter. Verwey, Evert J. W., and van Bruggen. Warmoltz, Nicolaas. Ziegler, Marc.
- Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical motor control apparatus. 2,435,965, Feb. 17.
- Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electron discharge compass system. 2,441,269, May 11.
- Hartim Attari, assignee: *See*—Kenyon, Joseph, and Silberstein.
- Hartkopf, William, East Orange, N. J. Making scissors. 2,434,268, Jan. 13.
- Hartley, Emmett C.: *See*—Hull, Henry E., and Hartley.
- Hartley, Emmett C., and H. E. Hull, assignors to The Parker Appliance Company, Cleveland, Ohio. Automatic means for clamping and deforming the ends of tubes. 2,438,999, Apr. 6.
- Hartley, George C., and J. R. Gould, London, England, and L. B. Haigh, West Orange, N. J., assignors to Standard Telephones and Cables Limited, London, England. Electrically operated calculating apparatus for converting numbers from binary to decimal form. 2,444,042, June 29.
- Hartley, Leonard, Mount Shasta, Calif. Pole butt. 2,449,698, Sept. 21.
- Hartline, Ralph E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Radioactivity logging device. 2,453,318, Nov. 9.
- Hartlove, Leslie T., assignor to The Davison Chemical Corporation, Baltimore, Md. Gel manufacture. 2,455,764, Dec. 7.
- Hartman, Aaron M., assignee, et al.: *See*—Seiden, Herman.
- Hartman, Benjamin F., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrogen fluoride recovery. 2,434,040, Jan. 6.
- Hartman, Blanche M.: *See*—Rouy, Auguste L. M. A.

- Hartman, Carl H., New Rochelle, assignor to St. Regis Paper Company, New York, N. Y. Heat-sealed valve bag. 2,437,693, Mar. 16.
- Hartman, Carl H., New Rochelle, assignor to St. Regis Paper Company, New York, N. Y. Sealing of closures for gusseted paper bags. 2,451,165, Oct. 12.
- Hartman, Carlisle G., Glendale, Mo. Flavoring solutions. 2,435,744, Feb. 10.
- Hartman, Milton V., Chicago, Ill., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electrically and hydraulically operated extensible strut. 2,457,467, Dec. 28.
- Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency relay employing an electron discharge device. 2,435,585, Feb. 10.
- Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron velocity sorting discharge device. 2,435,586, Feb. 10.
- Hartman, Peter C., Chicago, Ill. Washcloth and pad holder for the bath. 2,456,782, Dec. 21.
- Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,438,499, Mar. 30.
- Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,451,438, Oct. 12.
- Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device for cables, wires, or the like. 2,453,980, Nov. 16.
- Hartmann Company, assignee: *See*—
Barton, George G.
- Hartmann, Fred, St. Louis, Mo. Collapsible scaffold. 2,446,005, July 27.
- Hartmann, Max, Riehen, and H. von Meyenburg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of para-aminobenzene-sulfonamido-pyrimidines. 2,435,002, Jan. 27.
- Hartough, Howard D.: *See*—
Reiff, Orland M., Hartough, and Andress.
- Harttrant, William, Palmyra, N. Y., assignor to Elastic Chain Company, Bratenahl, Ohio. Making elastic chains. 2,452,752, Nov. 2.
- Hartsfield, Lewis D.: *See*—
Cox, Richard A., and Hartsfield.
- Hartsough, Baron, San Francisco, Calif. Tone cabinet for electric organs. 2,450,139, Sept. 28.
- Hartstein, Sidney R., New Brunswick, N. J., and F. Stolte, St. Albans, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Insulated electric cable and insulation therefor. 2,454,800, Nov. 30.
- Hartung, Walter H., Baltimore, Md. Preparation of alpha-amino-beta-hydroxy aliphatic carboxylic acids. 2,446,651, Aug. 10.
- Hartup, William O.: *See*—
Hayward, James R., Schild, and Hartup.
- Hartveld, Joseph A.: *See*—
Rathenau, Gerhard, Kruithof, and Hartveld.
- Hartwell Aviation Supply Company, assignee: *See*—
Benson, Harold J.
- Hartwick, Louis M.: *See*—
Kinney, Selwynne P., and Hartwick.
- Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Counting circuit. 2,454,167, Nov. 16.
- Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing circuit. 2,454,168, Nov. 16.
- Hartzell, Herman L.: *See*—
Short, Brooks H., and Hartzell.
- Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.
- Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T.
- Harvel, Velma C., Fort Worth, Tex. Crocheted hat and producing the same. 2,437,525, Mar. 9.
- Harvey, Aro M., deceased, Kansas City, Mo.; by Neva J. Harvey, administratrix, assignor to Neva J. Harvey, Kansas City, Mo. Garment supporting device for ironing boards. 2,456,411, Dec. 14.
- Harvey, Clarence T., Fayetteville, N. Y. Non-slip device for footwear. 2,445,353, July 20.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Protective casing for enclosing photographic shutters to exclude moisture and dirt therefrom. 2,439,087, Apr. 6.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Blade and cover blind shutter for cameras. 2,443,164, June 8.
- Harvey, Earle M., Springfield, Mass. Firearm magazine. 2,434,269, Jan. 13.
- Harvey, George G.: *See*—
Buchwalter, Louise, and Harvey.
- Harvey, George W., assignor to Solar Aircraft Company, San Diego, Calif. Welding fluxes. 2,442,892, June 8.
- Harvey, James W., Lakeville, Conn. Fish net hanger. 2,455,765, Dec. 7.
- Harvey, James W., Lakeville, Conn. Fish carrier. 2,455,766, Dec. 7.
- Harvey, Leaman S., Waterbury, Conn. Golf ball tee. 2,457,670, Dec. 28.
- Harvey, Leo M., assignee: *See*—
Greene, George B.
- Harvey, Leo M., La Canada, Calif. Machine for making paper cups. 2,435,308, Feb. 3.
- Harvey, Leo M., La Canada, Calif. Mechanism for blanking material for cups or the like. 2,435,309, Feb. 3.
- Harvey, Leo M., Los Angeles, Calif. Washing machine cylinder and closure means therefor. 2,444,603, July 6.
- Harvey, Louis A., Detroit, Mich. Hand-carried motion-picture projecting and viewing device. 2,451,947, Oct. 19.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Glycerol ether of hydro-genated cardanol. 2,434,797, Jan. 20.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Oxidation of alkyl esters of abietic acid. 2,435,831, Feb. 10.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Making insulated airplane ignition system conductors. 2,440,899, May 4.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Condensation products obtained from anacardic materials. 2,448,715, Sept. 7.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Anacardic-acrolein resins and method for their production. 2,452,374, Oct. 26.
- Harvey, Neva J., administratrix, assignee: *See*—
Harvey, Aro M.
- Harvey, Thomas H.: *See*—
Johnson, Wallace J. S., and Harvey.
- Harvey, Thomas H., assignee, et al.: *See*—
Whittall, Henry C.
- Harvey, Robert L.: *See*—
Ruth, Raymond E., and Harvey.
- Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated radio testing system. 2,455,996, Dec. 14.
- Harvey, Valentine P.: *See*—
Molins, Desmond W., Harvey, Mason, and Powell.
- Harvey, Valentine P., assignor to Molins Machine Company, Limited, Dordford, London, England. Fuse-setting apparatus. 2,450,375, Sept. 28.
- Harvey-Whipple, Incorporated, assignee: *See*—
Carter, George I.
- Harvill, Tom R., and L. Wroblewski, U. S. Army, said Wroblewski now, by judicial change of name, Leonard Sperry. Teletype apparatus. 2,445,780, July 27.
- Harvuot, Frank B., Fort Wayne, Ind., assignor to Bowser, Inc. Lubricant filtering and dispensing tank. 2,435,832, Feb. 10.
- Harvuot, Frank B., assignor to Bowser, Inc., Fort Wayne, Ind. Lubricator. 2,451,387, Oct. 12.
- Harwood Company, assignee: *See*—
Horowitz, Milton.
- Harwood, Kenneth J., Neenah, Wis., assignor to International Cellulose Products Company. Tampon applicator. 2,450,138, Sept. 28.
- Harwood, Louis J., assignee: *See*—
Horowitz, Milton.
- Harwood, Michael J., Cleveland, Ohio. Tax computing device. 2,453,909, Nov. 16.
- Harwood, Milton G., assignee: *See*—
Horowitz, Milton.
- Harza, Leroy F., Highland Park, Ill. Pipe T. 2,457,041, Dec. 21.
- Hashbrouck, John S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller drive. 2,444,227, June 29.
- Hasche, Rudolph I., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Furnace. 2,442,460, June 1.
- Hasche, Rudolph I., and E. M. McMahon, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymer of isopropenyl acetate and vinyl chloride. 2,453,317, Nov. 9.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,444,989, July 13.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Retractable keeper for door fasteners. 2,449,774, Sept. 21.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,451,028, Oct. 12.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft gear. 2,451,551, Oct. 19.
- Haselton, Page S.: *See*—
Crockett, Robert E., and Haselton.
- Hasenzahl, Herbert E., assignor to American Optical Company, Southbridge, Mass. Snap fastener. 2,439,000, Apr. 6.
- Haskins, Butler J., Fox Lake, Ill., assignor to Joseph Weidenhoff, Inc. Magneto testing and indicating apparatus. 2,442,649, June 1.
- Haskins, Robert Jr., Greensboro, N. C., assignor to The Sperry Corporation. Gyroscope controlling means. 2,446,180, Aug. 3.
- Haslacher, Alfred B., San Francisco, Calif. Packing of lettuce and package. 2,449,164, Sept. 14.
- Hasley, Andrew D.: *See*—
Ganz, Albert G., and Hasley.
- Hass, Henry B.: *See*—
Evans, Latimer R., and Hass.

- Hass, Henry B., West Lafayette, Ind., and A. C. Whitaker, Oakmont, Pa., assignor to Purdue Research Foundation, West Lafayette, Ind. Fluorodinitroethanes. 2,447,504, Aug. 24.
- Hassel, George F.: *See*—
Fox, Martin, and Hassel.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. System of deicing for aircraft, vessels, etc. 2,435,003, Jan. 27.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Telephone terminal. 2,436,431, Feb. 24.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Hermetically sealed electromagnetic relay. 2,444,198, June 29.
- Hasselhorn, Walter C., and J. F. Jaap, assignors to Cook Electric Company, Chicago, Ill. Lightning arrester. 2,454,448, Nov. 23.
- Hassig, Edward, assignor to Dependable Engineering Service, Inc., Milwaukee, Wis. Angle fixture. 2,441,413, May 11.
- Hassler, Ernst H. H.: *See*—
Hopper, Stanley D., and Hassler.
- Hassler, John H., and L. C. Englert, Wausau, Wis., assignors of one-half to said Hassler and one-half to A. W. Gerhard. Machine for producing predetermined and uniform dimensioned wood shavings. 2,442,492, June 1.
- Hassman, Fred A.: *See*—
Nenninger, Lester F., and Hassman.
- Hassman, Ray J., San Francisco, Calif. Sled. 2,447,700, Aug. 24.
- Hastings, Donald F., Radburn, Fair Lawn, assignor to Hardwick, Hindle, Inc., Newark, N. J. Rheostat. 2,446,417, Aug. 3.
- Hastings, James E., assignor to The L. S. Starrett Company, Athol, Mass. Clamping unit for surface gauges or the like. 2,456,505, Dec. 14.
- Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.
- Hastings, Russell, Jr., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Industrial platform. 2,436,358, Feb. 17.
- Hastings, Russell, Jr., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 2,437,953, Mar. 16.
- Hastings, Sam H.: *See*—
Seyfried, Wilson D., and Hastings.
- Hastings, Shirrel A., and C. F. Voytech, assignors to Crane Packing Company, Chicago, Ill. Roll-neck seal. 2,444,699, July 6.
- Hatala, Raymond F., and A. Kimber, assignors to Anthony Company, Streator, Ill. Safety means for receptacles. 2,439,132, Apr. 6.
- Hatch, George B.: *See*—
Fevere, Ernest F., Clarke, and Hatch.
- Hatch, Lewis F., Austin, Tex., and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrating olefinic aldehydes. 2,434,110, Jan. 6.
- Hatch, Meredith R.: *See*—
Rode, Fredrich J., and Hatch.
- Hatch, Raymond S., assignor to Weyerhaeuser Timber Company, Longview, Wash. Treating bark. 2,444,929, July 13.
- Hatcher, Grant E.: *See*—
Mulkey, Stanley A., and Hatcher.
- Hatchett, James, Baird, Tex. Toy. 2,449,116, Sept. 14.
- Hatchette, Andrew H., Cleveland, Ohio. Scrub pail with pivotally attached floating strainer. 2,447,178, Aug. 17.
- Hatchette, Andrew H., Cleveland, Ohio. Automatic bath shower. 2,456,703, Dec. 21.
- Hatfield, Henry S., Hildersham, England. Coating with tungsten carbide. 2,435,273, Feb. 3.
- Hathaway, Clarence A.: *See*—
Seamon, David J., Wood, and Hathaway.
- Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Accelerometer. 2,440,605, Apr. 27.
- Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Electrical strain measuring apparatus. 2,445,880, July 27.
- Hathaway, Claude M., Denver, Colo. Apparatus for recording an oscillographic record. 2,447,752, Aug. 24.
- Hathaway, Claude M., assignor to M. S. Merrill, Denver, Colo. Electronic circuit for triggering stroboscopic devices. 2,449,651, Sept. 21.
- Hathaway, Claude M., Denver, Colo. Comparator gauge. 2,452,753, Nov. 2.
- Hathaway Instrument Company, assignee: *See*—
Hathaway, Claude M.
- Hathorn, Charles E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Universal joint. 2,439,569, Apr. 13.
- Hattan, Mark, Dayton, Ohio. Signal type torque indicating wrench. 2,440,683, May 4.
- Hattan, Mark, Dayton, Ohio. Signal type torque indicating wrench. 2,442,359, June 1.
- Hattan, Mark, Pasadena, Calif. Rotatable-joint clasp having safety locking means. 2,455,929, Dec. 14.
- Hatten, Herman, Buffalo, N. Y. Machine for cutting holes in pipes and similar articles. 2,437,025, Mar. 2.
- Haubert, Leo, Tulsa, Okla. Combination swivel eye and swivel base. 2,434,318, Jan. 13.
- Haubroe, Werner C. L., Copenhagen, Denmark; vested in the Attorney General of the United States. Sighting device for air-target guns. 2,441,147, May 11.
- Hauk, Armin G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine for compressible commodities. 2,446,762, Aug. 10.
- Hauke, Cornelius J., Cincinnati, Ohio. Hose stand base. 2,440,745, May 4.
- Hauke, Vernon D., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Combined package and filling device for batteries or hollow bodies. 2,452,049, Oct. 26.
- Hauer, Frank J., Dayton, Ohio. Carbon set form. 2,455,484, Dec. 7.
- Haug, Eugene H., Glencoe, assignor to La Salle National Bank, Chicago, Ill. Power factor regulating apparatus. 2,435,214, Feb. 3.
- Haug, Eugene H., assignor to La Salle National Bank, Chicago, Ill., as trustee. Electric control system. 2,436,803, Mar. 2.
- Haug, Eugene H., Chicago, and F. A. Hansen, River Forest, Ill. Electric regulating apparatus. 2,436,925, Mar. 2.
- Haug, Eugene H., Glencoe, assignor to Modern Controls Inc., Chicago, Ill. Variable voltage control. 2,441,814, May 18.
- Haug, Eugene H., assignor to La Salle National Bank, Chicago, Ill. Electric regulating apparatus. 2,441,967, May 25.
- Haug, Eugene H., Glencoe, assignor to La Salle National Bank, Chicago, Ill., as trustee. Adjustable constant-current control. 2,445,577, July 20.
- Haughton Elevator Company, The, assignee: *See*—
Thurston, Ernest B.
- Haumerson, Fred C., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Pump mechanism. 2,447,650, Aug. 24.
- Haun, Joye C., San Francisco, Calif., and R. Simpson, assignors to Electric Steel Foundry, Portland, Ore. Austenitic stainless steel. 2,455,485, Dec. 7.
- Haungs, Richard H., Lancaster, N. Y. Electronic cycling circuits. 2,442,238, May 25.
- Haupt, Harry C.: *See*—
Handwerk, Erwin C., Mahler, and Haupt.
- Hauptman, Frederic F., Rego Park, N. Y., assignor to Square D Company, Detroit, Mich. Ground speed indicator. 2,434,694, Jan. 20.
- Hauselmann, Mildred H., executrix: *See*—
Hauselmann, William H.
- Hauselmann, William H., deceased, Wheatridge, Colo.; M. H. Hauselmann, executrix. Multi-spindle pattern adapter. 2,443,580, June 15.
- Hauser, Arthur A.: *See*—
White, Gifford E., Campbell, Hauser, and Greene.
- Hauser, Ethel, St. Louis, and P. Kovel, Maplewood, Mo.; said Kovel assignor to said Hauser. Protective coating for use in manicuring. 2,449,070, Sept. 14.
- Haushalter, Fred L.: *See*—
Gordon, John J., Jr., and Haushalter.
- Haushalter, Fred L., Pontiac, Mich. Resiliently mounting a roll on a shaft. 2,450,727, Oct. 5.
- Hausmann, Frederick: *See*—
Alexander, James R., Burton, and Hausmann.
- Hausz, Walter, Schenectady, N. Y., assignor to General Electric Company. Receiver protective device. 2,439,656, Apr. 13.
- Hautier, Camille, Boulogne-sur-Seine, France. Reversible propeller with variable pitch. 2,440,046, Apr. 20.
- Hautzenroeder, Richard W., Mansfield, Ohio. Transmission. 2,453,128, Nov. 9.
- Haveg Corporation, assignee: *See*—
Adams, William H., Jr., and Lebach.
- Havelle, Evangel A., Los Angeles, Calif. Combination calendar and memorandum pad holder. 2,444,647, July 6.
- Haven, Roger W., Winchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Holder for tubular lamps. 2,446,154, July 27.
- Havens, Carl B., Hope, assignor to The Dow Chemical Company, Midland, Mich. Light stable compositions comprising polymeric vinylidene chloride and 2-hydroxy-5-chloro-benzophenone-2'-carboxylic acid. 2,455,674, Dec. 7.
- Havens, Glenn G., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Linkage for artificial legs. 2,450,728, Oct. 5.
- Haver, Gabriel D., Los Angeles, Calif. Locking device. 2,440,012, Apr. 20.
- Haverstick, John S., assignor to De Laval Steam Turbine Company, Trenton, N. J. Turbine system utilizing hot driving gases. 2,438,635, Mar. 30.
- Hayice, Frank, New York, N. Y. Hand loom. 2,444,162, June 29.
- Havill, Clinton H., South Orange, assignor to Bendix Aviation Corporation, Bendix, N. J. Accessory drive control. 2,437,954, Mar. 16.
- Haystad, Harald, Northport, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Work holding nest. 2,438,916, Apr. 6.
- Haystad, Harald, Northport, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,453,435, Nov. 9.
- Hawadler, Marcel: *See*—
Gravina, Michel, and Hawadler.

- Hawaiian Pineapple Company, Limited, assignee: *See—*
Mehrlisch, Ferdinand P.
- Hawe, Philip G., Weston, Ontario, Canada. Target practice apparatus. 2,456,828, Dec. 21.
- Hawes, Albert H., Erdington, Birmingham, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Scaffolding. 2,446,924, Aug. 10.
- Hawes, George R., Longmeadow, assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle having pivotally supported units. 2,439,731, Apr. 13.
- Hawes, Harold B., Fairfield, Conn. Roof ventilator. 2,438,166, Mar. 23.
- Hawes, Richard D., Los Angeles, Calif. Sheet positioning and feeding device for printing presses. 2,451,388, Oct. 12.
- Hawk, Charles O., N. R. Stern, and L. J. E. Hofer, Pittsburgh, Pa., assignors to the United States as represented by the Secretary of the Interior. Catalyst for the synthesis of hydrocarbons. 2,449,071, Sept. 14.
- Hawk, Henry W. N.: *See—*
Bokovoy, Samuel A., and Hawk.
- Hawk, Walter H.: *See—*
Escoffery, Charles A., and Hawk.
- Hawk, Zoid G., Findlay, Ohio. Machine for handling and preparing oysters. 2,455,675, Dec. 7.
- Hawkins, Albert W.: *See—*
Batchelder, George W., and Hawkins.
- Hawkins Container Company, The, assignee: *See—*
White, Ray T.
- Hawkins, Donald E., Berkeley, and R. S. Hawkins, Albany, Calif. Single control pilot. 2,440,948, May 4.
- Hawkins, Floyd C., Arcadia, Calif. Seat mounting. 2,444,604, July 6.
- Hawkins, Fred R., Waterford, Calif. Automatic coupling, decoupling, and adjusting hitch. 2,437,321, Mar. 9.
- Hawkins, General A., Dallas, Tex. Electric soldering iron. 2,439,296, Apr. 6.
- Hawkins, Peter A., Widnes, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Production of pyran derivatives. 2,436,645, Feb. 24.
- Hawkins, Peter A., Widnes, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Production of derivatives of dihydropyran. 2,439,928, Apr. 20.
- Hawkins, Peter A., Widnes, and N. Bennett, Ditton, England, assignors to Imperial Chemical Industries Limited. Production of chlorine-containing pyran derivatives. 2,443,388, June 15.
- Hawkins, Ronald S.: *See—*
Hawkins, Donald E. and R. S.
- Hawkins, Theodore W.: *See—*
Van Wormer, Willard J., Jr., and Hawkins.
- Hawkins, Walter S.: *See—*
Gamel, Gayne D., and Hawkins.
- Hawkinson, Roy E., Bloomfield Hills, Mich. Dental impression accessory. 2,450,591, Oct. 5.
- Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Mold construction. 2,457,370, Dec. 28.
- Hawkinson, Paul E., Company, assignee: *See—*
Hawkinson, Paul E.
- Hawkinson, Thomas, assignee: *See—*
Foster, Cyril J.
- Haws, Thomas R., Washington, D. C. X-ray tube sighting device. 2,455,928, Dec. 14.
- Hawley, Don M., administrator, assignee, et al.: *See—*
Thorp, Clark E., and Anderson.
- Hawley, James E., Aughton, Ormskirk, England. Floor mop. 2,434,563, Jan. 13.
- Hawley, James E., Bronxville, N. Y. Adjustable toothbrush. 2,435,394, Feb. 3.
- Hawley, Jesse B., assignee, et al.: *See—*
Thorp, Clark E., and Anderson.
- Hawley, Jesse G., Painted Post, N. Y. Master cylinder. 2,444,043, June 29.
- Hawley, John B., Jr., assignors to Northern Ordnance Incorporated, Minneapolis, Minn. Oil well blowing apparatus. 2,450,140, Sept. 28.
- Hawley, Paul F.: *See—*
Becker, Sam E., and Hawley.
- Hawley Products Company, assignee: *See—*
Thorp, Clark E., and Anderson.
- Hawley, Thomas G., Jr., St. Paul, Minn., and N. Timenes, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacturing elastic fabrics. 2,434,111, Jan. 6.
- Haworth, Francis E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for orienting quartz crystals by X-rays. 2,457,555, Dec. 28.
- Haworth, John W.: *See—*
Avison, Anthony W. D., Bergel, and Haworth.
- Haworth, Leland J.: *See—*
Gillette, Frank N., and Haworth.
- Haworth, Leland J., Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Push-pull amplifier. 2,451,827, Oct. 19.
- Haws, James C., and C. A. White, Sugarland, Tex. Shade roller bracket. 2,454,449, Nov. 23.
- Hawthorne, Charles W., Conneautville, Pa., assignor to Morgan Construction Company, Worcester, Mass. Rotary shaft coupling. 2,446,133, July 27.
- Hawthorne, Charles W., Conneautville, Pa., assignor to Morgan Construction Company, Worcester, Mass. Cobblebundler. 2,448,097, Aug. 31.
- Hawthorne, Charles W., York, Pa., assignor to Morgan Construction Company, Worcester, Mass. Shearing apparatus. 2,451,948, Oct. 19.
- Hawthorne, Eugene P.: *See—*
Eksergian, Carolus L., Temple, and Hawthorne.
- Hawthorne, Louis A., Hillside, N. J., assignor to John-Manville Corporation, New York, N. Y. Roll stripping mechanism. 2,450,957, Oct. 12.
- Hawthorne, William R., Silver Spring, Md., assignor to Power Jets (Research and Development) Ltd., London, England. Internal-combustion turbine power plant. 2,454,738, Nov. 23.
- Hawtin, Philip R.: *See—*
Rooney, James H., Sharphouse, and Hawtin.
- Haxby, Robert O., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Coupling means for relatively movable wave guides. 2,434,925, Jan. 27.
- Hay, Harold R., Bryn Mawr, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Purification of raw waters. 2,444,774, July 6.
- Hay, Steven H., Racine, Wis. Combination fish scaler and scraper. 2,435,351, Feb. 3.
- Hay, Wayne W.: *See—*
Heidbrink, Jay A., Michaelson, and Hay.
- Hayashi, Henry, Topaz, Utah. Pyrex steam electric iron. 2,433,901, Jan. 6.
- Hayden, Ernest A.: *See—*
Stone, Albert F., and Hayden.
- Haydon, Arthur W., Marion, assignor to Haydon Manufacturing Company, Inc., Forestville, Conn. Radio time switch. 2,439,732, Apr. 13.
- Haydon Manufacturing Company, Inc., assignee: *See—*
Haydon, Arthur W.
- Hayes, Arnold E.: *See—*
Babb, Maynard A., and Hayes.
- Hayes, Arthur R., Cambridge, Ohio. Adjustable fender skirt brace. 2,450,958, Oct. 12.
- Hayes, Charles H., Dearborn, Mich. Checkered game board. 2,450,829, Oct. 5.
- Hayes, Charles H. C., North Attleboro, Mass. Book mark. 2,435,886, Feb. 10.
- Hayes, Douglass R., Arlington, Va. Method and device for mounting letters to a support. 2,447,011, Aug. 17.
- Hayes, Edward F., Pelham, N. H., assignor to Talbot Mills, Inc., North Billerica, Mass., trustee. Semidecating machine. 2,451,337, Oct. 12.
- Hayes, Elsie A., South Euclid, Ohio. Food preserving. 2,444,875, July 6.
- Hayes, Everett P., and A. D. Garrison, Houston, Tex., assignors to Texaco Development Corporation, New York, N. Y. Graveling wells. 2,452,654, Nov. 2.
- Hayes, Frank A., Middletown, N. J. Thrust sustaining means for variable speed drive mechanism. 2,445,066, July 13.
- Hayes, Harvey C., Washington, D. C., and H. M. Trent, Alexandria, Va. Sound operated relay system. 2,433,845, Jan. 6.
- Hayes, Harvey C., Washington, D. C. Underwater sound transmitter or receiver. 2,434,926, Jan. 27.
- Hayes, Harvey C., Washington, D. C., assignor to United States of America as represented by the Secretary of the Navy. Ultra-audible sound reception. 2,447,333, Aug. 17.
- Hayes, John G., San Mateo, Calif., assignor to American Can Company, New York, N. Y. Welding of keys to can ends. 2,447,012, Aug. 17.
- Hayes, Meyers and Hoagland: *See—*
Meyers, Eugene J.
- Hayes, Oswald G.: *See—*
Crowley, John A., Jr., and Hayes.
- Hayes, Ralph F.: *See—*
Carswell, Thomas S., and Hayes.
- Hayes, Robert A.: *See—*
Peterson, Albert C., and Hayes.
- Hays, Robert P., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Servomotor controlling means. 2,441,149, May 11.
- Hayes, Robert L.: *See—*
Krueger, John, and Hayes.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Wheel stop. 2,441,148, May 11.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Wheel stop. 2,441,193, May 11.
- Hayes Track Appliance Company, assignee: *See—*
Hayes, Stanley W.
- Hayes, William A., Kearny, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fabricating electronic discharge devices. 2,454,318, Nov. 23.
- Hayman, Bernard M., assignor to Automotive Products Company Limited, Leamington Spa, England. Braking device for electric motors. 2,449,223, Sept. 14.
- Haymond, Paul, Fairmont, W. Va. Refrigerant evaporator. 2,446,763, Aug. 10.
- Haynes, Harold E.: *See—*
Hotchkiss, Arch, Jr., and Haynes.
- Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Gain control system responsive to an average value. 2,454,169, Nov. 16.

- Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Proportional remote control. 2,447,121, Aug. 17.
- Haynes, James D., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Device for depositing material in well holes. 2,437,663, Mar. 9.
- Haynes, James D., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for depositing material in well holes. 2,453,068, Nov. 2.
- Haynes, Leslie W., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Form turning tool mechanism. 2,436,258, Feb. 17.
- Haynes, Robert L., Indianapolis, Ind., assignor to Radio Corporation of America. Electronically controlled variable gain amplifier. 2,434,155, Jan. 6.
- Haynes Stellite Company, assignee: *See*—Koopman, Kenneth H.
- Haynes, Thomas M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Replaceable nose for spot welding tips. 2,437,740, Mar. 16.
- Hays, Albert B.: *See*—Watt, Andrew K., and Hays.
- Hays Corporation, The, assignee: *See*—Bailey, George B.
Burns, Frank D.
- Hays, Fred N., Edgewood, Pa. Open-flame heated continuous furnace. 2,450,087, Sept. 28.
- Hays, John H., assignee: *See*—Van Riper, John C.
- Hays, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Selsyn-controlled servo system. 2,455,364, Dec. 7.
- Hays, Roy W., Rockford, Ill. Valve. 2,456,829, Dec. 21.
- Hays, Russell R., Lawrence, Kans. Hydraulic expansible chamber motor with longitudinally extensible cylinder. 2,441,881, May 18.
- Hays, Russell R., Lawrence, Kans. Apparatus for converting intermittent power to continuous power. 2,454,058, Nov. 16.
- Hays, Russell R., Lawrence, Kans. Counter torque mechanism for helicopters. 2,455,006, Nov. 30.
- Hayslip, Homer C., Atlanta, assignor of one-half to P. E. Arnall, Griffin, Ga. Marking system. 2,455,007, Nov. 30.
- Hayssen Manufacturing Company, assignee: *See*—Hayssen, William A.
- Hayssen, William A., assignor to Hayssen Manufacturing Company, Sheboygan, Wis. Paper roll shaft. 2,443,243, June 15.
- Hayward-Butt, John T., Bude, North Cornwall, England. Inhaler for analgesic or anaesthetic purposes. 2,442,004, May 25.
- Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Latching mechanisms for electric switching devices. 2,435,433, Feb. 3.
- Hayward, James K., Washington, J. A. Schild, and W. O. Hartup, Columbus, Ind., assignors, by mesne assignments, to McCord Corporation, Detroit, Mich. Combined machine for feeding, bending, and flattening tubing. 2,452,050, Oct. 26.
- Hayward, Lee, Clayton, Mo. Bent-wire clothes hanger. 2,451,552, Oct. 19.
- Haywood, Frederick W., and D. S. Laidler, assignors of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Barium carbonate-asbestos catalyst and preparation thereof. 2,444,930, July 13.
- Hazelet, Paul J., Fort Wayne, Ind. Bottle carrier. 2,435,833, Feb. 10.
- Hazelett, Clarence W., Greenwich, Conn. Strip forming apparatus. 2,450,428, Oct. 5.
- Hazeltine Research, Inc., assignee: *See*—Anderson, Theodore G.
Bels, Basil A.
Blaisdell, Harold L.
Curtis, Leslie F.
Dettinger, David.
Di Toro, Michael J.
Gavin, Malcolm R., and Heathcote.
Hergenrother, Rudolf C.
Hurst, William M.
James, Emrys G.
Lewis, Harold M.
Loughlin, Bernard D.
Loughren, Arthur V.
Malling, Leonard R.
Markowitz, Jesse.
Page, Harry C.
Rado, John A.
Shapiro, David L.
Sheppard, Charles B.
Stannow, Jürgen C.
Taylor, Maurice K., and Greenhalgh.
Taylor, Maurice K., and Vaughn-Jones.
Wheeler, Harold A.
- Hazelton, Clarence H., Upper Darby, Pa. Christmas card display device simulating a tree. 2,447,856, Aug. 24.
- Hazen, Frank D., Pittsburgh, Pa., assignor to American Arch Company, Inc., New York, N. Y. Seal for soaking pit covers. 2,444,736, July 6.
- Hazlehurst, Edward, West Caldwell, N. J., assignor to Congoleum-Nairn Inc. Drying oil composition and making same. 2,446,652, Aug. 10.
- Head, Adam W.: *See*—Bowen, Rees T., Head, and Lesniak.
- Headings, William W., Kirtland, Ohio, assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Illuminating fixture. 2,435,715, Feb. 10.
- Heal, Henry T., assignor to Rotax Limited, London, England. Ignition magneto. 2,453,910, Nov. 16.
- Heal, Ralph E., New Brunswick, assignor to Merck & Co., Inc., Rahway, N. J. Alkyl esters of α -cyano- β -furylidene acetic acid as insect repellents. 2,435,780, Feb. 10.
- Heald Machine Company, The, assignee: *See*—Hammarstrom, Bertil F.
- Healey, Sidney, Washington, D. C., assignor, by mesne assignments, to American Instrument Co., Inc. Thermostatic switch. 2,435,004, Jan. 27.
- Healy, Francis P., assignor to Van Norman Company, Springfield, Mass. Crankshaft regrinding chuck. 2,447,364, Aug. 17.
- Heaney, Samuel J., Portland, Oreg. Umbrella. 2,454,059, Nov. 16.
- Heany, John A., New Haven, Conn. Coating glass with silica. 2,442,976, June 8.
- Heard, Edward C., Los Angeles, Calif. Burglar alarm. 2,438,167, Mar. 23.
- Heard, Llewellyn, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Manufacturing alumina gel from amalgamated aluminum. 2,449,847, Sept. 21.
- Hearne, George W., El Cerrito, and D. S. La France, Richmond, assignors to Shell Development Company, San Francisco, Calif. Rearrangement of unsaturated aliphatic alcohols. 2,435,078, Jan. 27.
- Hearne, George W., Berkeley, and D. S. La France, Richmond, assignors to Shell Development Company, San Francisco, Calif. Rearrangement process. 2,446,475, Aug. 3.
- Hearne, George W., El Cerrito, and M. L. Adams, Modesto, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated carbonylic compounds. 2,451,485, Oct. 19.
- Hearne, George W., El Cerrito, T. W. Evans, Oakland, and H. L. Yale, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of 2-mono-substituted pyrimidines. 2,455,172, Nov. 30.
- Hearns, Harold L.: *See*—Graham, Joseph P., and Hearns.
- Hearst, Frank T., Dallas, Tex. Auxiliary utility cabinet. 2,450,337, Sept. 28.
- Hearst, Gabrielle M.: *See*—Hearst, Walter R. and G. M.
- Hearst, Walter R. and G. M., San Francisco, Calif. Stabilization of shell eggs. 2,438,168, Mar. 23.
- Heater, Charles L., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Truck. 2,456,635, Dec. 21.
- Heath, Herbert P., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil. 2,444,737, July 6.
- Heath, James C., Los Angeles, Calif. Target for a ball game. 2,446,702, Aug. 10.
- Heath, William C., and P. A. Pitt, assignors to Solar Aircraft Company, San Diego, Calif. Exhaust structure for resiliently mounted engines. 2,451,285, Oct. 12.
- Heathcote, Vincent A.: *See*—Gavin, Malcolm, and Heathcote.
- Heathcott, E. B., assignor to Universal Packing & Gasket Company, Houston, Tex. Packing for stuffing boxes. 2,442,687, June 1.
- Heating Corporation, assignee: *See*—Lehane, Timothy J., and Burgess.
- Heatley, Albert H.: *See*—Morrison, George O., Lossing, Heatley, and Germain.
- Heaton-Armstrong, Louis J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Antenna system for defining a blind approach path. 2,434,927, Jan. 27.
- Heaton-Armstrong, Louis J., assignor to Standard Telephones and Cables Limited, London, England. Antenna system for defining glide paths. 2,449,999, Sept. 28.
- Heaton, Henry T.: *See*—Peterson, Eric O., Wright, and Heaton.
- Heaton, John, Riddlesden, Keighley, assignor to Electro-Pneumatic Looms Limited, Bradford, England. Picking motion for looms. 2,454,603, Nov. 23.
- Heaton, Walter H., Franklin, Mass., and W. J. Vaccaro, Springfield, Maine, assignors to Beckwith Manufacturing Company, Dover, N. H. Box toe stiffener. 2,444,931, July 13.
- Hebard, Hugh C.: *See*—Imber, Jack and Hebard.
- Hebard, Hugh C., Greenford, England. Barometric fuze. 2,438,853, Mar. 30.
- Hebb, Malcolm H., Cambridge, Mass., assignor to the United States Government, as represented by the Secretary of the Navy. Lag-lead line for bearing deviation indicators. 2,433,991, Jan. 6.
- Heberlein Patent Corporation, assignee: *See*—Kunzle, August.
- Hechenbleikner, Ingeniun, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of chloroacetonitrile. 2,442,542, June 1.
- Hechenbleikner, Ingeniun, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of β , β' -dicyanodiethyl cyanamide. 2,443,504, June 15.
- Hechenbleikner, Ingeniun, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. 2-butoxyethyl fluoroacetate. 2,456,586, Dec. 14.

- Hecht, George, Astoria, N. Y., and L. A. Meacham, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray oscilloscope circuit. 2,452,655, Nov. 2.
- Hecht, Herman J., South Bend, Ind. Welding electrode holder. 2,444,565, July 6.
- Hecht, Rudolph A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,440,270, Apr. 27.
- Heck, John T., Elmhurst, and L. J. Du Mais, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Picture screen supporting structure. 2,434,071, Jan. 6.
- Heckethorn, John E.: *See—*
Mueller, William M., and Heckethorn.
- Heckethorn Mfg., & Supply Co., assignee: *See—*
Tautz, Herbert E.
- Hector, Luther G., Summit, N. J., G. W. Baker, New York, N. Y., and P. A. Muto, East Orange, assignors to National Union Radio Corporation, Newark, N. J. Electron discharge device. 2,441,224, May 11.
- Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Fire-resistant dust collecting composition. 2,443,766, June 22.
- Hedding, Linnie K., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 2,437,322, Mar. 9.
- Hedenburg, Oscar F., Pittsburgh, Pa., assignor, by mesne assignments, to H. W. Moburg, Toledo, Ohio. Methyleneoxyphenyl compound as insecticide and pyrethrin synergist. 2,452,188, Oct. 26.
- Hedges, Don F., Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation. Transportation load and preparing the same. 2,453,626, Nov. 9.
- Hedquist, Milton T., and J. Haley, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Protective shield for orchard tractors. 2,451,553, Oct. 19.
- Hedrick, Charles E., Sr., Alexandria, Va. Strip of severable reinforcing tabs for loose-leaf sheets. 2,437,640, Mar. 9.
- Hedstrom, Gustav V.: *See—*
Wahlberg, Nils E., and Hedstrom.
- Hedstrom, Olof H., Hartford City, Ind. Picture hanging means. 2,451,554, Oct. 19.
- Hedstrom-Union Company, assignee: *See—*
Boudreau, Alban M.
- Hefe, John R., Yonkers, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse-actuated circuit. 2,449,848, Sept. 21.
- Heffner, Harvey W., assignee: *See—*
La Rose, William J.
- Hefner, George D., Oak Park, and A. C. Pramschier, Chicago, Ill. Traffic control light. 2,434,741, Jan. 20.
- Heffler, Paul, Windsor, Ontario, Canada. Metal-edge filter stack. 2,436,108, Feb. 17.
- Hegamyer, William S.: *See—*
Barry, Louis J., and Hegamyer.
- Hegbar, Howard R.: *See—*
Donal, John S., Jr., and Hegbar.
Smith, Philip T., and Hegbar.
- Hegeman, Andrew S., Jr., Glen Ridge, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical circuit control. 2,449,224, Sept. 14.
- Hegener, William, assignee: *See—*
Warner, Gilbert S.
- Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Follow-up motor control system. 2,436,068, Feb. 17.
- Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Switching system. 2,438,283, Mar. 23.
- Hegy, Louis, Burbank, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Relay. 2,454,060, Nov. 16.
- Hehenkamp, Theodorus, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Circuit for electric discharge devices. 2,438,556, Mar. 30.
- Hehenkamp, Theodorus, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Electric discharge device. 2,438,557, Mar. 30.
- Heid, Jacob B., Oak Park, assignor to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon distillates. 2,454,383, Nov. 23.
- Heidbrink, Jay A., Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Airborne anesthetizing apparatus. 2,449,165, Sept. 14.
- Heidbrink, Jay A., Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Valve structure for controlling flow of gases through absorbers. 2,450,338, Sept. 28.
- Heidbrink, Jay A., W. E. Michaelson, and W. W. Hay, Minneapolis, Minn., assignors to Air Reduction Company, Incorporated, New York, N. Y. Gas dispenser. 2,435,040, Jan. 27.
- Heidbrink, Jay A., Minneapolis, and C. G. Herrick, Hopkins, Minn., assignors to Air Reduction Company, Incorporated, New York, N. Y. Humidifying oxygen. 2,437,526, Mar. 9.
- Heideman, Fred J., assignee: *See—*
Johnson, George L.
- Heidenthal, Warren C., Middletown, assignor to American Brake Shoe Company, New York, N. Y. Rail lubricator. 2,448,670, Sept. 7.
- Heigl, John J.: *See—*
Wilson, James A., and Heigl.
- Heigl, John J., Cranford, and J. A. Wilson, Linden, N. J., assignors to Standard Oil Development Company. Apparatus for instantaneously indicating on an oscilloscope screen the absorption spectrum of a substance. 2,437,323, Mar. 9.
- Heijmer, Gustaf B.: *See—*
Bergstrom, Hilding O. V., Heijmer, and Trobeck.
- Heijn, Paul C.: *See—*
Watson, Leland A., and Heijn.
- Heil Co., The, assignee: *See—*
Wohlforth, Walter W.
- Heilbronner, Harry S., Perry, N. Y. Self-adjusting garment. 2,456,190, Dec. 14.
- Heilig, Charles E., Jr., Upper Darby, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerating apparatus with means for indicating the quantity of solid refrigerant therein. 2,447,335, Aug. 17.
- Heiligman, Harold A.: *See—*
Howard, John J., and Heiligman.
Tauber, John A., and Heiligman.
- Heilmann, Randall G.: *See—*
Macuga, Stephen J., Clapetta, and Heilmann.
- Heilmann, Randall G., Yeadon, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of alpha alkyl styrenes. 2,448,976, Sept. 7.
- Heim Company, The, assignee: *See—*
Heim, Lewis R.
- Heim, Edward A., Lisbon, Ohio. Joist and girder construction. 2,454,604, Nov. 23.
- Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Lubricator head construction. 2,454,252, Nov. 16.
- Heimark, Harold M., Oak Park, Ill. Weed guard for fishhooks. 2,450,796, Oct. 5.
- Heimbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic Silver-halide emulsions containing 1,3,4-triazaindoline cyanine dyes. 2,439,210, Apr. 6.
- Heimbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic elements containing 1,3,4-triazaindoline cyanine dyes. 2,443,136, June 8.
- Heimbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilizers for photographic emulsions. 2,444,607, July 6.
- Heimbach, Newton, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 5-hydroxy-1,3,4-triazaindolines as stabilizers for photographic silver-halide emulsions. 2,450,397, Sept. 28.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilizers for photographic emulsions. 2,444,605, July 6.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilizers for photographic emulsions. 2,444,606, July 6.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilizers for photographic silver-halide emulsions. 2,444,608, July 6.
- Heimbach, Newton, and R. H. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Stabilizers for photographic silver-halide emulsions. 2,444,609, July 6.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. 7-amino and 7-hydroxy-1,3,4-triazaindolines as stabilizers for photographic silver-halide emulsions. 2,449,225, Sept. 14.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. 2-[vinyl-dicarboxylic acid ester]-3-amino-1,2,4-triazoles as stabilizers for photographic silver-halide emulsions. 2,449,226, Sept. 14.
- Heimbaugh, Clyde L., Duluth, Minn. Exercising device. 2,456,412, Dec. 14.
- Heimke, Wilbur, Lenox, Mich. Ground detector for electric wire fences. 2,440,900, May 4.
- Heimlich, Milton, Larchmont, N. Y., and F. H. Ogden, Arlington, Mass. Readily removable ticket. 2,433,949, Jan. 6.
- Hein, Robert O., Lincolnwood, Ill. Honing and filing device. 2,437,641, Mar. 9.
- Heinecke, William, New York, N. Y. Silk screen printing ink. 2,450,959, Oct. 12.
- Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Testing chamber. 2,439,806, Apr. 20.
- Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Vacuum chamber loading means. 2,441,021, May 4.
- Heineman, Arnold H., Chicago, Ill., assignor to Vacuum Process Corporation. Method and apparatus for the prevention of condensation. 2,441,571, May 18.
- Heineman, Emil J., Chicago, Ill., assignor, by mesne assignments, to Kell Lock Co. Inc., Charlestown, N. H. Lock construction. 2,454,920, Nov. 30.

- Heinemann, Heinz: *See*—
Krieger, Knut A., and Heinemann.
- Heinemann, Heinz, Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Production of acetals. 2,451,949, Oct. 19.
- Heinemann, Heinz, Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Production of aluminum fluoride gels. 2,454,921, Nov. 30.
- Heinemann, Heinz, Upper Darby, and K. A. Krieger, assignors to Attapulgus Clay Company, Philadelphia, Pa. Regeneration of synthetic metal silicate adsorbents by oxidation. 2,457,556, Dec. 28.
- Heiney, John W., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Yieldable bogie spring mounting. 2,437,158, Mar. 2.
- Heinn Company, The, assignee: *See*—
Franz, Charles H., Jr.
- Heinrich, August H., assignor to Auto Diesel Piston Ring Company, Cleveland, Ohio. Swivel coupling for conduits. 2,446,327, Aug. 3.
- Heinrich, August H., Euclid, Ohio, assignor to Thompson Products, Inc. Apparatus for removal of annular scratches. 2,450,797, Oct. 5.
- Heinrich, August H., Euclid, assignor to The Auto Diesel Piston Ring Company, Cleveland, Ohio. Shock absorbing hammer. 2,451,217, Oct. 12.
- Heinrich, H. H., Inc., assignee: *See*—
Harley, Earle L.
- Heinrich, Raymond L., Baytown, Tex., assignor to Standard Oil Development Company. Polymerization of olefins. 2,436,571, Feb. 24.
- Heinsohn, Henry C., Jr., Northfield, assignor to Ventnor Boat Works, Inc., West Atlantic City, N. J. Variable angle gear casing. 2,445,828, July 27.
- Heiss, Arthur F., Cincinnati, Ohio. Wrecking truck boom support. 2,450,798, Oct. 5.
- Heintz, James C., Lakewood, Ohio. Retreading tires. 2,434,156, Jan. 6.
- Heintz Manufacturing Company, assignee: *See*—
D'Ardenne, Walter H.
D'Ardenne, Walter H., Devore, Wolf, and Boyd.
Lambert, Francis M.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Oil gauge. 2,436,212, Feb. 17.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Governor. 2,442,170, May 25.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Oil tank and cooler assembly. 2,450,960, Oct. 12.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine starting system. 2,452,027, Oct. 19.
- Heintz, Ralph M., Cleveland, and J. W. Frazier, Shaker Heights, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine bearing construction. 2,448,369, Aug. 31.
- Heinz Art Service, assignee: *See*—
Taylor, John A.
- Heise, Howard L.: *See*—
Bruce, Donald S., and Heise.
- Heiser, Harold W.: *See*—
Newsome, James W., Heiser, and Wall.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flash and blast reducer. 2,448,593, Sept. 7.
- Heiss, Marion W., assignor, by mesne assignments, to Cone Mills Corporation, Greensboro, N. C. Receiving roll. 2,442,127, May 25.
- Heist, Philip A.: *See*—
Cooper, Julius L., and Heist.
- Heitshu, Daniel C., Brightmoor, assignor to Harry Ferguson, Inc., Dearborn, Mich. Trailer hitch. 2,441,630, May 18.
- Heltz-Boyer, Maurice G., Vichy, France; vested in the Attorney General of the United States. Surgical table. 2,456,277, Dec. 14.
- Heltz, Robert G., and W. E. Brown, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making carbon tetrachloride and perchlorethylene. 2,442,324, May 25.
- Heltz, Robert G., Antioch, and C. F. Oldershaw, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Distillation of hexachlorethane. 2,445,526, July 20.
- Hekman, Edsko and L. H., Grand Rapids, Mich., assignors to H. W. Jonkhoff, New York, N. Y. Steerable vehicle running gear. 2,437,816, Mar. 16.
- Hekman, Louis H.: *See*—
Hekman, Edsko and L. H.
- Helber, Carlyle L., U. S. Navy, and F. B. Gross, Langley, Va. Hydropneumatic accumulator type power plant with differential speed motor. 2,449,554, Sept. 21.
- Helberg, Edwin W., Chicago, and V. C. Helberg, Evergreen Park, Ill. Pea shooter. 2,450,830, Oct. 5.
- Helberg, Vernon C.: *See*—
Helberg, Edwin W. and V. C.
- Helbig, Hugo, Racine, Wis. Cam-teeth actuated vise. 2,450,799, Oct. 5.
- Helbronner, Andre: *See*—
Bergier, Jacques, Eskenazi, and Helbronner.
- Helbush, Herman H., assignee: *See*—
Wallace, Frank C.
- Held, Joseph, West Reading, and H. Scheer, Stroudsburg, assignors to Textile Machine Works, Wyomissing, Pa. Knitting of shaped fabrics. 2,449,477, Sept. 14.
- Helfenbein, Richard C.: *See*—
Zabel, William C. P., and Helfenbein.
- Helfrecht, Fred A., assignor to National Motor Bearing Co., Inc., Redwood City, Calif. Fluid seal. 2,447,411, Aug. 17.
- Helgason, Arni, Wilmette, Ill., assignor to Essex Wire Corporation, Detroit, Mich. Mounting electrical devices. 2,443,536, June 15.
- Helgerud, Robert J.: *See*—
Widen, Gunnar G., and Helgerud.
- Helgren, Fred J., Waukegan, Ill., assignor to Abbott Laboratories, Medicinal composition. 2,448,180, Aug. 31.
- Heli-Coil Corporation, assignee: *See*—
Geertsema, Kenneth B.
- Helicopters, Inc., assignee: *See*—
Bendix, Vincent.
- Heller, Edward A., Detroit, Mich. Caster. 2,440,047, Apr. 20.
- Heller, George L., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,439,850, Apr. 20.
- Heller, Harold P., Palmyra, N. J., assignor to Radio Corporation of America. Electrical condenser. 2,451,338, Oct. 12.
- Heller, Oswald: *See*—
Manning, Albert H., and Heller.
- Helliker, Emil: *See*—
Fortuna, G., and Helliker.
- Hellmann, Reinhard K., assignor to Great American Industries, Inc., Meriden, Conn. Hermetically sealed switchboard. 2,447,753, Aug. 24.
- Helm, Robert: *See*—
Spangenberg, Karl, Field, and Helm.
- Helmhold, August F. W., Augusta, Ga. Valve cooling means for internal-combustion engines. 2,453,508, Nov. 9.
- Helmco, Inc., assignee: *See*—
Gunter, Frederick F.
- Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.
- Helmers, Carl J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for conducting endothermic catalytic conversions. 2,443,423, June 15.
- Helmes, Leslie C., St. Paul, Minn. Door-key lock. 2,441,067, May 4.
- Helmkamp, Richard F., Jersey City, N. J., assignor to Air Reduction Company, Incorporated. Universal torch machine. 2,452,189, Oct. 26.
- Helmold, J. F., & Bro., Inc., assignee: *See*—
Wagner, Frank.
- Helms, William, South Bend, Ind. Waterproof cement. 2,434,695, Jan. 20.
- Helpy Selfy Service System, Inc., assignee: *See*—
McEwen, Norman S.
- Helsten, Wesley A.: *See*—
Cottrell, Robert B., and Helsten.
Tack, Carl E., and Helsten.
- Heltzel, John N., Warren, Ohio. Concrete expansion joint. 2,452,462, Oct. 26.
- Heltzer, Harry, and J. E. Clarke, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Lenticular reflex reflector sheet and making the same. 2,440,584, Apr. 27.
- Helwig, William F., West Allis, Wis. Garment hanger. 2,450,512, Oct. 5.
- Hemley, John D.: *See*—
Bamford, William P., and Hemley.
- Hemmeter, George T., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Apparatus for peeling onions, including a conical jet of gas. 2,445,881, July 27.
- Hemminger, Charles E.: *See*—
Russell, Robert P., Murphree, and Hemminger.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process for the catalytic conversion of hydrocarbon oils. 2,438,439, Mar. 23.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Contacting solid particles and gaseous fluids. 2,444,990, July 13.
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbons with suspended catalyst. 2,446,925, Aug. 10.
- Hemminger, Charles E., Westfield, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Treating hydrocarbon fluids. 2,447,577, Aug. 24.
- Hemp, Joseph L., Macomb, Ill. Insulated container closure. 2,445,325, July 20.
- Hempel, Herbert W.: *See*—
Marsh, Walton C., and Hempel.
- Hemphill Company, assignee: *See*—
Bradley, John S., and Smith.
Fregeolle, Oscar.
Green, Isaac H. C.
St. Pierre, Eugene.
- Hencher, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Sput connection. 2,455,767, Dec. 7.

- Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Clinching bail ears to can body blanks and apparatus therefor. 2,456,506, Dec. 14.
- Hencir, Frank J., St. Paul, Minn. Clothesline support. 2,449,379, Sept. 14.
- Henderson, Albert, assignor, by mesne assignments, to The Cementstone Corporation, Pittsburgh, Pa. Making concrete building units. 2,453,223, Nov. 9.
- Henderson, Algo D., assignee et al.: *See*—Bean, Morris.
- Henderson, Clara M., Burlington, Iowa. Ironing-board attachment. 2,447,907, Aug. 24.
- Henderson, Donald, North Hollywood, Calif. Crash seat for high-speed conveyances. 2,433,950, Jan. 6.
- Henderson, Donald S., U. S. Navy, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfonation of aromatic compounds in presence of acetonitrile. 2,448,370, Aug. 31.
- Henderson, E. O., & Sons, assignee: *See*—Henderson, Elden O.
- Henderson, Elden O., assignor to E. O. Henderson & Sons, Oklahoma City, Okla. Open-front refrigerated display cabinet. 2,450,088, Sept. 28.
- Henderson, Harold P., and P. Kaplan, assignors to Clover Industries Inc., Buffalo, N. Y. Combination cap and plug. 2,454,555, Nov. 23.
- Henderson, Lloyd F.: *See*—Libby, Louis H., and Henderson.
- Henderson, Lloyd F., and B. L. Maxwell, Reading, Mass., assignors to Lever Brothers Company. Detergent composition. 2,437,253, Mar. 9.
- Henderson, Mal R., Wichita, Kans. Illuminated screw driver. 2,442,893, June 8.
- Henderson, Philip H., Los Angeles, Calif. Traction splint. 2,454,319, Nov. 23.
- Henderson, Stanley T., Buckinghamshire, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Cathode ray tube. 2,446,764, Aug. 10.
- Henderson, Wesley B., Lewistown, Ill. Safety attachment for shoes. 2,446,370, Aug. 3.
- Henderson, William F., Colfax, Wash. Wrecking bar. 2,457,231, Dec. 28.
- Hendlin, Herbert M., New York, N. Y. Combination lock. 2,442,688, June 1.
- Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,445,914, July 27.
- Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,454,450, Nov. 23.
- Hendricks, Elsie A., assignor to Munsingwear, Inc., Minneapolis, Minn. Body supporting garment. 2,442,894, June 8.
- Hendricks, Norva E., Scranton, Iowa. Driver's comfort. 2,446,006, July 27.
- Hendrickson, Emil G., and F. La Cour, Lake Charles, La., assignors to The Scholl Mfg. Co., Inc., Chicago, Ill. Applying tubular bandages. 2,456,507, Dec. 14.
- Hendrickson, Severin B., Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Detachable glide unit for furniture legs. 2,454,739, Nov. 23.
- Hendrickson, Severin, Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Wheel construction. 2,439,340, Apr. 6.
- Hendriksen, Wealtha E., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic synthesis of hydrocarbons. 2,449,775, Sept. 21.
- Hene, Emil, London, England. Treatment of petroleum cracking residues. 2,444,610, July 6.
- Hengst, Walter D., Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Quick disconnect coupling. 2,451,218, Oct. 12.
- Hengstebeck, Robert J.: *See*—Wheeler, Harry K., Jr., and Hengstebeck.
- Hengstebeck, Robert J., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,457,232, Dec. 28.
- Hengstebeck, Robert J., Chicago, and R. S. McDaniel, Alton, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion process. 2,451,619, Oct. 19.
- Henkel, Carl F.: *See*—Hicks, John F. G., and Henkel.
- Henley's Tyre & Rubber Company, assignee: *See*—Woods, Edgar C.
- Henley's, W. T., Telegraph Works Company Limited, assignee: *See*—Brett, George N., and Smith. Dunsheath, Percy, and Barry. Hoban, Hugh C. Prosser, Alfred J., and Smith. Savage, John H.
- Henne, Albert L., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Fluorinated dibasic acids and preparing same. 2,438,484, Mar. 23.
- Henne, Albert L., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Fluorinated dibasic acids and preparing same. 2,438,485, Mar. 23.
- Henne, Isabelle, Brooklyn, N. Y. Combined bag latch and coin holder. 2,436,646, Feb. 24.
- Hennessey, Silas W., Jr., Amityville, assignor to Camloc Fastener Corporation, New York, N. Y. Stud receptacle. 2,438,051, Mar. 16.
- Hennessey, Silas W., Jr., Amityville, assignor to Camloc Fastener Corporation, New York, N. Y. Hole-cutting saw. 2,444,099, June 29.
- Hennessy, Daniel E., Petersham, assignor to Springfield Wire and Tinsel Company, West Springfield, Mass. Strand coiling and winding apparatus. 2,451,731, Oct. 19.
- Hennessy, James J., Montclair, N. J. Railway journal lubricator. 2,437,817, Mar. 16.
- Hennessey, James J., Montclair, N. J. Railway journal bearing. 2,439,297, Apr. 6.
- Hennessy, James J., Montclair, N. J. Lubricator distributor. 2,449,894, Sept. 21.
- Hennessy, James J., Montclair, N. J. Railway journal bearing. 2,449,895, Sept. 21.
- Hennessy, Mark M.: *See*—Lawrence, Harold J., and Hennessy.
- Hennessy, Mark M., assignor to Durant Manufacturing Co., Milwaukee, Wis. Locking and resetting means for counters. 2,451,084, Oct. 12.
- Hennessy, Mark M., and H. J. Lawrence, assignors to Durant Manufacturing Co., Milwaukee, Wis. Intermittently rotatable electric motor. 2,444,566, July 6.
- Hennessy, Robert E., Detroit, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile cowl ventilator operating means. 2,443,454, June 15.
- Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Shell feeding mechanism for rocket guns. 2,440,634, Apr. 27.
- Hennie, Doris J., Little Falls, N. J. Blouse anchor. 2,449,896, Sept. 21.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical cord. 2,450,429, Oct. 5.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing and marking insulated conductors. 2,456,704, Dec. 21.
- Henning, W. Y., assignee, et al.: *See*—Brun, Prudent.
- Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Railway truck. 2,433,902, Jan. 6.
- Henricksen, Bjarne, Cliffside Park, N. J., assignor to Sedgwick Machine Works, Inc., Poughkeepsie, N. Y. Conveyor. 2,449,117, Sept. 14.
- Henrikson, Oscar W., Chicago, and H. F. Obergfell, deceased, by A. Obergfell, executrix, River Forest, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Mechanical impulse regenerator. 2,445,829, July 27.
- Henroteau, Francois C. P., Liege, Belgium. Spectacles. 2,437,642, Mar. 9.
- Henry, Albert R., Salina, assignor to Henry Manufacturing Company, Inc., Topeka, Kans. Loading device. 2,442,043, May 25.
- Henry, George L., assignor to American Molded Products Co., Chicago, Ill. Facial analysis chart. 2,438,246, Mar. 23.
- Henry, George W., assignor to Anderson & Sons, Inc., Westfield, Mass. Hinge. 2,452,851, Nov. 2.
- Henry, Guy J., Chicago, Ill. Pressure relief valve. 2,448,429, Aug. 31.
- Henry, Innes, administrator: *See*—Taylor, Ivan M.
- Henry Manufacturing Company, Inc., assignee: *See*—Henry, Albert R.
- Henry, Oscar J.: *See*—Stupakoff, Semon H., Stark, and Henry.
- Henry, Robert S., Longmeadow, Mass. Firearm sight. 2,441,968, May 25.
- Henry, Robert S., New Hartford, N. Y. Sludge trap. 2,446,587, Aug. 10.
- Henry, Thomas J., Newark, N. J., assignor to Radio Corporation of America. Button stem for electron discharge devices. 2,454,384, Nov. 23.
- Henschker, Erhard, Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Metal cutting flying shear. 2,436,572, Feb. 24.
- Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making porous bearing surfaces. 2,447,980, Aug. 24.
- Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Method of making porous metal filters. 2,450,339, Sept. 28.
- Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory Co., Inc., Indianapolis, Ind. Making clad metal bodies. 2,433,903, Jan. 6.
- Hensel, Franz R., E. I. Larsen, and E. F. Swazy, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,439,570, Apr. 13.
- Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper base alloy for metal evaporation. 2,447,979, Aug. 24.
- Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver base alloy for metal evaporation. 2,450,340, Sept. 28.
- Hensel, Otto F., Hustisford, Wis. Apparatus for treating cheese. 2,455,579, Dec. 7.
- Henshaw, Charles N., Plattsburg, assignor, by mesne assignments, to Pal Blade Co., Inc., New York, N. Y. Blade wrapping machine. 2,452,233, Dec. 28.
- Henshaw, Thomas A.: *See*—Leech, Harold C., and Henshaw.

- Hensley, Guy P.: *See*—
Peebles, David D., and Hensley.
- Hensley, Marvin M., assignee, et al.: *See*—
Hensley, Urban N.
- Hensley, Urban N., Reno, assignor of forty per cent to L. Alexander, Greenville, and eight per cent to M. M. Hensley, Reno, Ill. Electrical soldering device with attachment. 2,436,887, Mar. 2.
- Henszey, Roy O., Oconomowoc, Wis. Multiple effect still with thermocompression of vapors. 2,440,173, Apr. 20.
- Hepinstall Steel Works, Inc., assignee: *See*—
Wallace, John J.
- Hepp, Carlos A., Palisade, and P. Schoenster, assignors, by mesne assignments, to Alfred Hofmann & Company, West New York, N. J. Stop means for textile apparatus and the like. 2,438,365, Mar. 23.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Combination isomerization and hydrogenation process. 2,454,171, Nov. 16.
- Heppard, Chester S., Celina, Ohio. Electronic photometer. 2,434,157, Jan. 6.
- Heppner, Fritz A. M., Leamington Spa, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Compound internal-combustion turbine plant. 2,435,138, Jan. 27.
- Hepting, George H., Asheville, N. C., assignor to the United States of America, as represented by the Secretary of Agriculture. Stimulation of production of oleoresins and gums in coniferous trees. 2,436,359, Feb. 17.
- Herath, Russell A., Joliet, and C. P. Pettigrew, Elwood, Ill., assignors to The American Steel and Wire Company of New Jersey. Automatic stop mechanism. 2,434,406, Jan. 13.
- Herbener, Henry M., Thomasville, Ga. Combination wallet. 2,456,830, Dec. 21.
- Herbert, Alfred, Limited, assignee: *See*—
Dowell, John H., Sternberg, and Curson.
- Herbert, Donald H., Spokane, Wash. Building block. 2,452,463, Oct. 26.
- Herbert, Edward J., Scarsdale, N. Y. Combined sun shade and reflector for cameras. 2,437,159, Mar. 2.
- Herbert, William S., Madison, Wis., and H. T. Francis, Chicago, Ill., assignors to Armour Research Foundation of Illinois Institute of Technology. Apparatus for electrolytically determining the thickness of metal coatings. 2,457,234, Dec. 28.
- Herbnick Manufacturing and Engineering Company, Incorporated, assignee: *See*—
Tsai, Herbert, and Chuy.
- Herbold, Robert J., assignor to Lafayette M. Hughes, Denver, Colo. Photo-electric apparatus. 2,444,442, July 6.
- Herbst, John A., Pompton Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Selective signaling circuit. 2,457,149, Dec. 28.
- Herbst, Robert M.: *See*—
Givens, Horace T. F., and Herbst.
- Herbst, Walter A., Union, N. J., assignor to Standard Oil Development Company. Motor fuels and preparation thereof. 2,434,650, Jan. 20.
- Herchenroeder, Louis W., Pittsburgh, Pa., and A. L. Scott, Portland, Oreg., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction motor braking system. 2,445,430, July 20.
- Hericik, Lad L., Lakewood, Ohio. Counterbalancing mechanism for machine tools. 2,434,613, Jan. 13.
- Hericik, Lad L., Lakewood, Ohio. Alligator shear control apparatus. 2,440,799, May 4.
- Hericik, Lad L., Lakewood, Ohio. Method of and apparatus for correcting deviations in crossrails of machine tools. 2,457,468, Dec. 28.
- Hercules Powder Company, assignee: *See*—
Bishop, William T.
Borglin, Joseph N.
Carson, William F., Jr.
Counterman, Lewis B.
Cox, Richard F. B.
Drake, Arthur E.
Harris, George C.
Humphrey, Irvin W.
Lamborn, Bayard T.
Lister, Donald A.
Lorand, Eugene J., and Reese.
Rummelsburg, Alfred L.
Van Wyck, Peter.
- Hereford, Rockwell, Pasadena, Calif. Vehicle body mounting. 2,440,746, May 4.
- Hergenrother, Rudolf C., West Newton, Mass., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Modulated-signal generator. 2,446,829, Aug. 10.
- Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Insulating confined spaces. 2,430,601, Apr. 13.
- Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Insulating confined spaces. 2,439,602, Apr. 13.
- Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Insulating confined spaces. 2,439,603, Apr. 13.
- Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Insulating confined spaces. 2,439,604, Apr. 13.
- Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Refrigerator construction having means to restrict moisture in the walls of the cabin. 2,451,286, Oct. 12.
- Herkenhoff, Earl C.: *See*—
Booth, Robert B., and Herkenhoff.
- Herkert, Louis, Boulogne-sur-Seine, France; vested in the Attorney General of the United States. Tubular remote control device. 2,442,360, June 1.
- Herlihy, William F., Haverhill, Mass. Making shoes. 2,442,239, May 25.
- Herman, Albert D., Encino, Calif., and F. T. Harrington, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,435,834, Feb. 10.
- Herman, Arthur, Brooklyn, N. Y. Earring. 2,457,672, Dec. 28.
- Herman, Clairmont J., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,443,455, June 15.
- Herman, Clairmont J., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,443,456, June 15.
- Herman, Clairmont J., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine member. 2,443,457, June 15.
- Herman, Daniel F., assignor to Publisher Industries Inc., Philadelphia, Pa. Reacting acetylene and potassium hydroxide. 2,455,058, Nov. 30.
- Herman, James H., Jr., Temple, Tex. Mortar applying device. 2,452,464, Oct. 26.
- Herman, Kenneth R., Franklin, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,450,729, Oct. 5.
- Herman Pneumatic Machine Company, assignee: *See*—
Johnston, Loyal L.
- Herman, Richard H., Massillon, Ohio. Automatic beading and trimming machine. 2,455,768, Dec. 7.
- Herman, Rynaldo C., Hoopeston, Ill. Apparatus for washing milking machines. 2,442,926, June 8.
- Herman, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,455,769, Dec. 7.
- Herman, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Powder dispensing container. 2,455,770, Dec. 7.
- Hermann, Clare E.: *See*—
Murray, Earl F., and Hermann.
- Hermann, Heinrich, Valley Stream, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Flow measuring mechanism. 2,443,856, June 22.
- Hermans, James, New York, N. Y. Combined comb and brush. 2,446,086, July 27.
- Hermes, Bernard P., Los Gatos, Calif. Space miser clothes rack. 2,434,242, Jan. 13.
- Hermes, Theodore J., Stonington, Conn. Mute for musical instruments. 2,439,733, Apr. 13.
- Hernández, Norberto D., Rio Piedras, P. R. Safety container. 2,438,052, Mar. 16.
- Herndon, Lee R., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composite structures. 2,439,514, Apr. 13.
- Herold, Edward W., Kingston, and D. O. North, Cranbury, N. J., assignors to Radio Corporation of America. Ultra high frequency triode converter. 2,435,541, Feb. 3.
- Herondelle, Guy L. H., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Gyroscope system. 2,457,150, Dec. 28.
- Herr, Donald L., Milwaukee, Wis., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Selector mechanism. 2,453,911, Nov. 16.
- Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Self-lubricating spinning ring. 2,435,939, Feb. 10.
- Herr Manufacturing Company, Inc., assignee: *See*—
Herr, Harvey E.
- Herr, Park A., Hillside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Filled bag sewing machine. 2,434,158, Jan. 6.
- Herr, Vincent A., Collinsville, Ill. Collar shaping device. 2,439,088, Apr. 6.
- Herreshoff, Alexander G., Grosse Pointe, and A. R. Houk, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Engine and making parts thereof. 2,436,043, Feb. 17.
- Herreshoff, Alexander G., Grosse Pointe, and A. C. Staley, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Supercharger. 2,452,300, Oct. 26.
- Herrick, Clifford E., Jr., New York, and L. C. Liberatore, Woodside, N. Y., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Glass magnetic stopcock. 2,425,599, June 1.
- Herrick, Clinton G.: *See*—
Heidbrink, Jay A., and Herrick.
- Herrick, George G., Benzinger Township, Elk County, and H. N. Veley, assignors to Speer Resistor Corporation, St. Marys, Pa. Resistor and making the same. 2,454,508, Nov. 23.
- Herrick, Percy H.: *See*—
Tawney, Chester W., Demarco, and Herrick.
- Herrick, Roswell H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercommunicating system. 2,451,339, Oct. 12.

- Herring, Alice D., assignee: *See*—
Herring, Earl A.
- Herring, Earl A., assignor of fifty per cent to A. D. Herring, Donaldson, Pa. Single hook weedless fishing plug. 2,456,705, Dec. 21.
- Herring, Earl R., and C. P. Sander, Glendale, Calif., assignors to Kinner Motors, Inc. Variable-speed drive for propellers. 2,437,467, Mar. 9.
- Herrington, Harold W.: *See*—
Edwards, Paul G., and Herrington.
- Herrington, Kurb A., Chicago, Ill. Dirigible headlight structure. 2,434,766, Jan. 20.
- Herrington, Ralph J., St. Paul, assignor to The Flour City Ornamental Iron Company, Minneapolis, Minn. Internal-combustion engine. 2,443,957, June 22.
- Herriott, David R., Glendale, Calif. Safety device for fluid brakes. 2,451,828, Oct. 19.
- Herrman, Arnold A., New York, N. Y. Puzzle. 2,440,949, May 4.
- Herrmann, Edward J., assignee: *See*—
Delmotte, Cyril J.
- Herrmann, John G., Baldwin, assignor to Conveyor and Machinery Manufacturers, Inc., New York, N. Y. Confectionery coating apparatus. 2,450,661, Oct. 5.
- Herrstrum, Rudolph E., assignor to Rockford Machine Tool Company, Rockford, Ill. Variable power transmission. 2,452,754, Nov. 2.
- Hersey, Ann R.: *See*—
Froelich, Herman C., and Hersey.
- Hersey, Donald S., assignor to United Aircraft Corporation, East Hartford, Conn. Constant thrust fan. 2,455,251, Nov. 30.
- Hersh, Herman L., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Producing molding compounds comprising furfuryl alcohol reaction products. 2,437,955, Mar. 16.
- Hersh, Joseph B.: *See*—
Speaker, David M., and Hersh.
- Hershberg, Emanuel B., West Orange, assignor to Schering Corporation, Bloomfield, N. J. Regeneration of steroid ketones. 2,447,463, Aug. 17.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Sensitive distance measurement device. 2,450,341, Sept. 28.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave-acoustic light valve. 2,449,166, Sept. 14.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave-absorptive gas light valve. 2,451,732, Oct. 19.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave gas analysis. 2,457,673, Dec. 28.
- Hershey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay system. 2,452,051, Oct. 26.
- Hertel, George W., assignee: *See*—
Hertel, Nicholas.
- Hertel, Joseph W., administrator: *See*—
Hertel, Nicholas.
- Hertel, Nicholas, Grand Rapids, Mich.; Joseph W. Hertel, administrator of said Nicholas Hertel, deceased, assignor, by mesne assignments, to George W. Hertel, Grand Rapids, Mich. Sprinkler nozzle. 2,434,767, Jan. 20.
- Hertner, Wilhelm: *See*—
Widmer, Gustave, and Hertner.
- Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Driving system for centrifugals or the like. 2,441,356, May 11.
- Hertweck, Bernhard: *See*—
Arnesen, Walter A., Hertweck, and Doty.
- Hertz, Abraham, Brooklyn, N. Y. Egg shell punch. 2,441,763, May 18.
- Hertz, Ben, New York, assignor to International Mutoscope Corporation, Long Island City, N. Y. Flight training apparatus. 2,453,436, Nov. 9.
- Hertz, Lester M., Cleveland, Ohio, assignor to General Electric Company. Multiple filament incandescent lamp. 2,441,815, May 18.
- Hertzler, Ralph S., Elverson, Pa. Conveying mechanism for harvesting machines. 2,438,500, Mar. 30.
- Hervert, George L.: *See*—
Friedman, Bernard S., and Hervert.
- Hervey, Laurence R. B.: *See*—
Davis, Herbert L., and Hervey.
- Hervey, Laurence R. B., Concord, and A. C. Whitaker, Boston, Mass., assignors to the United States of America, as represented by the Secretary of War. Water-soluble coating composition for paper. 2,449,812, Sept. 21.
- Herwald, Seymour W., and H. M. Watson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control system. 2,456,508, Dec. 14.
- Herz, Cornelius M., assignor to R. W. Irwin, Grand Rapids, Mich. Automatic rubbing and polishing machine. 2,441,701, May 18.
- Herzog, Carl, Belleville, N. J. Sealing one end of open-ended tube, filling through remaining open end, and sealing remaining open end. 2,449,478, Sept. 14.
- Herzog, Edward: *See*—
Leguillon, Charles W., Matthias, and Herzog.
- Herzog, Gerhard: *See*—
Wolf, Alexander, and Herzog.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method of determining the nature of substrata. 2,443,680, June 22.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Circuits for the control of radiation detectors. 2,443,857, June 22.
- Herzog, Gerhard, Houston, and K. C. Crumrine, Bellaire, Tex., assignors to The Texas Company, New York, N. Y. Method and apparatus for logging bore holes. 2,443,731, June 22.
- Herzog, Gerhard, and A. Wolf, Houston, Tex., assignors to The Texas Company, New York, N. Y. Determining the permeability of substrata. 2,446,588, Aug. 10.
- Herzog, Herman, Detroit, Mich. Flowerpot holder. 2,452,236, Oct. 26.
- Hess, Adele, administratrix: *See*—
Korn, Arthur, Hess, and Ruskin.
- Hess, Arthur L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Unit strip assembly method and apparatus. 2,449,776, Sept. 21.
- Hess, Arthur L., Milford, and H. G. Denyven, Cincinnati, Ohio, assignors to Ditto, Incorporated, Chicago, Ill. Process for making unit strips. 2,436,888, Mar. 2.
- Hess, Dr., & Clark, Inc., assignee: *See*—
Guthrie, James E.
- Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heat treating apparatus. 2,435,923, Feb. 10.
- Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Jet ejector furnace. 2,443,244, June 15.
- Hess, Frederick G., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Wax acids separation process. 2,435,542, Feb. 3.
- Hess, Frederick P.: *See*—
Wormeck, Herbert A.
- Hess, George R., Washington, D. C. Tool handle fastening. 2,437,426, Mar. 9.
- Hess, John, St. Louis, Mo. Adjustable ash tray and stand for beds. 2,434,360, Jan. 13.
- Hess, Joseph W.: *See*—
Korn, Arthur, Hess, and Ruskin.
- Hess, Marvin A., East Lansdowne, Pa. File cutting machine. 2,442,852, June 8.
- Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Hydraulic safety bed. 2,434,848, Jan. 20.
- Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Press. 2,434,849, Jan. 20.
- Hesse, Arthur T., Long Beach, Calif. Bathroom equipment. 2,438,665, Mar. 30.
- Hesse, Jack: *See*—
Otis, Harold J., and Hesse.
- Hessel, Ernest R., Spokane, Wash. Token holder. 2,437,956, Mar. 16.
- Hesselroth, Charles F., Los Angeles, Calif., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composite flexible moistureproof wrapping tape or sheet. 2,444,443, July 6.
- Hesser, James M., Roanoke, Va., assignor to The Union Switch and Signal Company, Swissvale, Pa. Annunciating and indicating apparatus. 2,434,041, Jan. 6.
- Hester, Harry E.: *See*—
Boyd, Frank C., Hester, and Medearis.
- Hester, Levi C., Jacksonville, Fla. Disk plow. 2,457,151, Dec. 28.
- Hester, Millard E., Seattle, Wash. Dial test indicator clamp. 2,452,301, Oct. 26.
- Hester, William F., Drexel Hill, assignor to Rohm & Haas Company, Philadelphia, Pa. Control of insects. 2,435,274, Feb. 3.
- Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Substituted nitro aromatic amines as insecticides. 2,434,564, Jan. 13.
- Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Insecticidal compositions comprising a phenyl ester of caprylphenoxyacetic acid. 2,437,427, Mar. 9.
- Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Insecticidal compositions from halocaprylphenoxyacetic acid. 2,437,527, Mar. 9.
- Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Chlorohydroxynitrophenyl sulfide. 2,450,342, Sept. 28.
- Hester, William F., Drexel Hill, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Insecticidal haloalko-alkylene esters of caprylphenoxyacetic acid. 2,451,085, Oct. 12.
- Heston, Allen L., assignor to National Rubber Machinery Company, Akron, Ohio. Extrusion press. 2,449,652, Sept. 21.
- Heston, Eugene E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective apparatus for preventing accumulation of ice on airfoils. 2,436,889, Mar. 2.
- Heston, Eugene E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective apparatus for preventing the accumulation of ice on airfoils. 2,446,328, Aug. 3.
- Heith, Sherman C., assignor to J. I. Case Company, Racine, Wis. Horse hitch attachment for harvesters. 2,433,904, Jan. 6.

- Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Air cleaning device for motor vehicles. 2,455,252, Nov. 30.
- Hetherington, Lionel S.: *See*—
Armstrong, Charles W., Sadowsky, and Hetherington.
- Hetherington, Robert, & Son, Inc., assignee: *See*—
Schellman, Joseph H.
- Hettinga, Ralph M., assignor to Shakespeare Products Company, Kalamazoo, Mich. Motion transmitting device. 2,438,053, Mar. 16.
- Hetzel, Stanford J.: *See*—
Kennedy, Robert M., and Hetzel.
- Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,400, Mar. 23.
- Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Treatment of hydrocarbons. 2,438,404, Mar. 23.
- Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of olefins. 2,452,190, Oct. 26.
- Hetzler, Walter A., Decatur, Ill. Machine for cutting potatoes, including a stationary cutter and reciprocating plunger. 2,437,818, Mar. 16.
- Heuberger, John W., Newark, Del., assignor to Röhm & Haas Company, Philadelphia, Pa. Fungicidal compositions. 2,457,674, Dec. 28.
- Heuer, John P., Pittsburgh, Pa. Rail anchor. 2,435,352, Feb. 3.
- Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Brick having low modulus rupture. 2,443,424, June 15.
- Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Treating artificial magnesium hydrate to produce magnesias. 2,447,412, Aug. 17.
- Heumann, Gerhart W., and R. B. Taylor, Schenectady, N. Y., assignors to General Electric Company. Synchronous motor control system. 2,444,253, June 29.
- Heuser, Marlon F., Cincinnati, Ohio. Game apparatus. 2,437,819, Mar. 16.
- Heusted, George B.: *See*—
Dreisbach, Robert R., and Heusted.
- Heusted, George B., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Preparing phenolsulfonic acid-formaldehyde ion exchange agents. 2,448,029, Aug. 31.
- Heuver, Herbert M., Dayton, Ohio, and E. A. Rutan, Elmira, N. Y. Motion transmitting device. 2,447,013, Aug. 17.
- Heuver, Herbert M., Dayton, Ohio. Wind tunnel balance. 2,448,528, Sept. 7.
- Heva, Jack A., Seattle, Wash. Thermostatic device for draining condensate from steam cylinders and the like. 2,455,305, Nov. 30.
- Hewett, Philip S., Royal Oak, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Aqueous urea formaldehyde resin for stabilizing textiles. 2,456,191, Dec. 14.
- Hewitt-Robins Incorporated: *See*—
Wantling, Joseph W.
- Hewitt, Donald H., and F. Armitage, Homerton, London, England. Manufacture of polymeric substances containing fatty oil acid radicals. 2,441,068, May 4.
- Hewitt, Ellis E., Edgewood, and Claude M. Hines, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Engine-driven shaft governing apparatus. 2,444,254, June 29.
- Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load compensating fluid pressure brake equipment. 2,447,857, Aug. 24.
- Hewitt, Ellis E., Edgewood, and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,454,509, Nov. 23.
- Hewitt, George W.: *See*—
Penney, Gaylord W., and Hewitt.
- Hewitt, Ivan N., Medicine Lodge, Kans. Axially shifting type, pedestal mounted, tire removing machine. 2,455,580, Dec. 7.
- Hewitt-Robins Incorporated, assignee: *See*—
Bankauf, William F., and Fisher.
- Hewlett Rubber Corporation, assignee: *See*—
Blanchard, Francis W.
- Hewlett, Clarence W., Marblehead, Mass., assignor to General Electric Company. Fabrication of rectifier cells. 2,444,255, June 29.
- Hewlett-Packard Company, assignee: *See*—
Kingman, Rufus M.
- Hexagon Tool and Engineering Corporation, assignee: *See*—
Gale, Harold W.
- Hexter, Joseph, and W. E. Lanham, Atlanta, Ga.; said Lanham assignor to said Hexter. Sliced loaf dividing mechanism. 2,439,657, Apr. 13.
- Heyberger, Francis, Old Greenwich, Conn. Writing instrument. 2,449,939, Sept. 21.
- Heyd, Josef W.: *See*—
Emerson, William S., and Heyd.
- Heyden Chemical Corporation, assignee: *See*—
Barth, Robert H., and Burrell.
- Barth, Robert H., and Burrell.
Burrell, Harry, and Vander Valk.
Rapoport, Henry.
Remensnyder, John P., Bowman, and Barth.
Snow, John E., Barth, and Boesel.
- Heydorn, William P., assignor to Wingfoot Corporation, Akron, Ohio. Recovery of volatile solvents. 2,435,781, Feb. 10.
- Heyel, Frederick W., East Port Chester, assignor to Pitney-Bowes, Inc., Stamford, Conn. Tape advancing and retracting means. 2,456,414, Dec. 14.
- Heyer, Don, Los Angeles, Calif. Device for camera or projector lenses for producing reversed images. 2,442,564, June 1.
- Heyer Industries, Incorporated, assignee: *See*—
St. John, John H.
- Heyes, Reginald G.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
- Heygel, Paul R., Asheville, N. C., assignor to Ecusta Paper Corporation. Compressed laminated machine roll. 2,452,755, Nov. 2.
- Heyman, Fannie E., New York, N. Y. Comb accessory. 2,437,298, Mar. 9.
- Heyman, Wilbert A., New York, N. Y. Forming a coffee concentrate. 2,454,510, Nov. 23.
- Heymann, Seymour E., Evanston, J. H. Leslie, II, Winetka, and W. A. Marshall, Jr., assignors to Stewart-Warner Corporation, Chicago, Ill. Electric switch. 2,450,961, Oct. 12.
- Heymann, Seymour E., Evanston, and W. A. Marshall, Jr., Chicago, Ill., assignors to Stewart-Warner Corporation. Combustion air heater having variable output with constant temperature. 2,454,511, Nov. 23.
- Heymann, Seymour E., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heater, including means to prevent fuel contamination of the ventilating air. 2,454,512, Nov. 23.
- Heyn, Frans A., Bindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge device comprising an exhaust system. 2,442,493, June 1.
- Heynes, William M., Coventry, England. Suspension unit, particularly for motor vehicles. 2,436,573, Feb. 24.
- Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.
Hendrickson, Severin B.
Hendrickson, Severine.
- Hiatt, Gordon D.: *See*—
Malm, Carl J., and Hiatt.
- Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selectively responsive device. 2,452,052, Oct. 26.
- Hibbert, Harold, assignor of one-half to Joseph Hibbert & Company Limited, Darwin, England. Apparatus for drying and cooling fabrics. 2,441,357, May 11.
- Hibbert, Joseph, & Company Limited, assignee: *See*—
Hibbert, Harold.
- Hibner, De Los E., and F. C. Arey, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Retractable soot blower. 2,441,112, May 4.
- Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Isobutylene purification. 2,443,245, June 15.
- Hickey, George M., Paoli, and W. W. Matlack, assignors to J. Bishop & Co. Platinum Works, Malvern, Pa. Making seamless platinum ruthenium alloy cannulae. 2,454,172, Nov. 16.
- Hickey, John S., Schenectady, and W. H. Teare, Ballston Lake, N. Y., assignors to General Electric Company. Electrical discharge tube. 2,446,765, Aug. 10.
- Hickler, Walter R.: *See*—
MacKinnon, John C., and Hickler.
- Hickler, Walter R., Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Manufacturing a resin-bonded composite product. 2,456,008, Dec. 14.
- Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Hydraulic clutch. 2,453,981, Nov. 16.
- Hickman, Charles E., Adrian, Mich. Refrigerator evaporator. 2,433,951, Jan. 6.
- Hickman, Clarence N.: *See*—
Appleton, Robert A., Hickman, and Bjork.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to United States of America, as represented by the Secretary of War. Igniter. 2,434,652, Jan. 20.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to United States of America, as represented by the Secretary of War. Method for blending powder grains. 2,437,694, Mar. 16.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to United States of America, as represented by the Secretary of War. Rocket projectile. 2,440,271, Apr. 27.
- Hickman, Clarence N., Jackson Heights, N. Y. Thrust gauge. 2,446,537, Aug. 10.
- Hickman, Clarence N., Jackson Heights, N. Y. Mortar charge. 2,449,380, Sept. 14.
- Hickman, Clarence N., Washington, D. C., assignor to the United States of America, as represented by the Secretary of Navy. Submarine mine. 2,439,211, Apr. 6.

- Hickman, Elie, Detroit, Mich. Bath cloth. 2,439,249, Apr. 6.
- Hickman, James C., assignor to J. H. Fenner and Company Limited, Colne, England. Flexible rotary coupling. 2,453,012, Nov. 2.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum dehydration process including evolved vapor condensation. 2,436,693, Feb. 24.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Preservation process. 2,440,606, Apr. 27.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum unobstructed path distillation apparatus. 2,445,059, Nov. 30.
- Hickman Pneumatic Seat Co. Inc., assignee: *See—*
Hickman, Albert F.
- Hickman, Robert W., assignor to F. B. Hinrichs, Chicago, Ill. Electrode for arc lights. 2,457,042, Dec. 21.
- Hickok Manufacturing Company, Inc., assignee: *See—*
Johnson, Frederick D.
- Hickok, Robert D., Bratenahl, Ohio, assignor to Cleveland Patents, Incorporated. Electronic tube tester. 2,440,607, Apr. 27.
- Hickok, W. O., Mfg. Co., assignee: *See—*
Thompson, Robert J.
- Hicks, Clarence A., Milwaukee, Wis. Antipersonnel artillery mine. 2,454,281, Nov. 23.
- Hicks, Frederick T., assignee: *See—*
Sand, Robert T.
- Hicks, Harold A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle windshield construction. 2,437,664, Mar. 9.
- Hicks, James R., assignor to The Bristol Company, Waterbury, Conn. Seal for differential pressure apparatus. 2,441,882, May 18.
- Hicks, John F. G., Corning, and C. F. Henkel, Big Flats, assignors to Corning Glass Works, Corning, N. Y. Apparatus for melting and casting glass. 2,451,086, Oct. 12.
- Hicks, Joseph S., Toledo, Ohio, assignor to Owens-Corning Fiberglass Corporation. Plastics molding apparatus. 2,441,097, May 4.
- Hicks, Lester M., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic synthetic resin optical lap. 2,434,614, Jan. 13.
- Hicks, Richard V., East Providence, R. I., assignor to Fram Corporation. Liquid filtration. 2,455,486, Dec. 7.
- Hicks, William L.: *See—*
Kesler, Carl C., Black, Hicks, and Owen.
- Hicks, William M., Glen Head, N. Y. Tube socket. 2,454,173, Nov. 16.
- Hidzick, Joseph F., San Francisco, Calif. Wire cutting machine. 2,441,541, May 11.
- Hieger, Robert H., El. Olson, and S. M. Udale, Detroit, Mich., assignors to G. M. and E. Holley. Decelerator. 2,443,562, June 15.
- Hieger, Robert H., Detroit, Mich., assignor to G. M. and E. Holley. Engine throttle control. 2,446,329, Aug. 3.
- Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Circuit making and breaking in response to power failure. 2,448,371, Aug. 31.
- Hiergesell, Frank O. V.: *See—*
Hiergesell, Valentine, and Frank O. V.
- Hiergesell, Valentine and F. O. V., Springfield Township, Montgomery County, Pa. Thermometer package. 2,450,089, Sept. 28.
- Hieronimus, Russell H., assignor to The Drackett Company, Cincinnati, Ohio. Making soybean protein-phenolic resin adhesive and product. 2,441,946, May 25.
- Hiers, Franklin J., assignor of one-fourth to T. A. Hodges, Portsmouth, Va. Adjustable scaffold or staging. 2,436,862, Mar. 2.
- Hieserman, Clarence E.: *See—*
Seymour, George W., Salvin, and Hieserman.
- Hiestor, George A., Seattle, Wash. Stereotype cylinder printing plate. 2,454,170, Nov. 16.
- Higgins, Cecil C., assignor to The Eyre Smelting Company, Limited, London, England. Controlling the viscosity and flow of fluids. 2,434,798, Jan. 20.
- Higgins, Cecil C., assignor to The Eyre Smelting Company, Limited, London, England. Viscosity-responsive valve. 2,434,799, Jan. 20.
- Higinbotham, Fred P.: *See—*
Rutledge, Rubertus W., and Higinbotham.
- Higgins, Albert J., assignor to I. Saks, Cleveland, Ohio. Locking plate for clutch levers and the like. 2,443,505, June 15.
- Higgins, Andrew J., assignee: *See—*
Sprague, Theodore, IV.
- Higgins, Arthur K., Waukesha, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Centrifugal casting. 2,450,755, Oct. 5.
- Higgins, Francis V., Fayetteville, N. Y. Cigarette dispenser. 2,435,782, Feb. 10.
- Higgins, Frank, Princeton, Ill. Extensible hand truck. 2,439,851, Apr. 20.
- Higgins, Harry C., Santa Monica, Calif. Actuating aircraft landing gear by force of slipstream. 2,444,932, July 13.
- Higgins Industries, Inc., assignee: *See—*
Dugas, Joseph J.
- Higgins, John M., Boulder City, Nev. Tourist film guide. 2,449,699, Sept. 21.
- Higgins, Ralph A., Tarzana, Calif. Seesaw. 2,442,543, June 1.
- Higginson, George S., Ilford, assignor of one-half to G. S. M. Ashby, Hermitage, England. Projector for liquid and pulverulent or small material. 2,457,557, Dec. 28.
- High, Carl F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Fuel pumping and distributing device. 2,445,266, July 13.
- High Standard Manufacturing Corporation, The, assignee: *See—*
Davis, George F.
Humeston, Frederick L.
Wilson, George A.
- Highberg, Axel L., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling means. 2,454,696, Nov. 23.
- Highley, Frank R., Cleveland Heights, Ohio, assignor to Bryant Heater Company. Heat exchange element. 2,444,825, July 6.
- Hight, James L., Dayton, Ohio. Oxygen connection locking member. 2,450,430, Oct. 5.
- Hightower, Ransom L., Sinton, Tex. Sack holding frame. 2,451,829, Oct. 19.
- Higinbotham, William A.: *See—*
Berger, France B., and Higinbotham.
- Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Modulated saw tooth sweep generator. 2,436,890, Mar. 2.
- Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electronic system for differentiating voltage waveforms. 2,436,891, Mar. 2.
- Higley, Frank R., Cleveland Heights, Ohio. Wheeled toy. 2,440,747, May 4.
- Higley, Frank R., Cleveland, Ohio, assignor to Bryant Heater Company. Movable deflector plate for furnaces. 2,443,910, June 22.
- Higley, Frank R., Cleveland Heights, and E. H. Ryden, Elyria, assignors to Bryant Heater Company, Cleveland, Ohio. Air heater and circulator. 2,443,911, June 22.
- Higley, Frank R., Cleveland Heights, Ohio, assignor to Bryant Heater Company. Volute type air-heating furnace and blower. 2,453,912, Nov. 16.
- Higley, Frank R., Cleveland, Ohio, assignor to Bryant Heater Company. Radial flow forced-air heater. 2,453,913, Nov. 16.
- Higley, Frank R., Cleveland Heights, Ohio, assignor to Bryant Heater Company. Thermally responsive unit. 2,455,306, Nov. 30.
- Hilbert, Guido E.: *See—*
MacMasters, Majel M., and Hilbert.
- Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Dump rake. 2,445,267, July 13.
- Hilblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Tractor mower. 2,454,697, Nov. 23.
- Hild, Frederic W., Los Angeles, Calif. Regulating device for cooling systems. 2,435,041, Jan. 27.
- Hildenbrand, Kenneth W., assignor to Monroe Auto Equipment Company, Monroe, Mich. Spacer. 2,446,589, Aug. 10.
- Hildebrandt, Henry, assignee: *See—*
Franzene, Robert D.
- Hiler, Edgar, Grand Prairie, Tex. Implement for collapsing hollow rivets. 2,445,067, July 13.
- Hilgeman, Walter A., Fairview, Ill. Variable pitch power shovel. 2,443,537, June 15.
- Hilkemeier, Louis G., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Transit concrete mixer. 2,439,250, Apr. 6.
- Hilkemeier, Louis G., West Allis, and G. K. Viall, assignors to Chain Belt Company, Milwaukee, Wis. Charging, sealing and discharging mixers. 2,451,555, Oct. 19.
- Hilkene, John A., Bloomfield, N. J. Heat reclamation attachment for heating furnaces. 2,452,852, Nov. 2.
- Hill, Arthur G., Greenville, S. C. Conditioning textile fibers. 2,440,399, Apr. 27.
- Hill, Arthur G., Greenville, S. C. Conditioning textile fibers. 2,440,400, Apr. 27.
- Hill, Boyd N., Baytown, Tex., assignor to Standard Oil Development Company. Finishing of aviation naphthas. 2,436,170, Feb. 17.
- Hill, C. V., & Company, Inc., assignee: *See—*
Hoffman, Cyrus F.
MacMaster, Malcolm D.
- Hill, Charles F., Edgewood, and R. W. Auxier, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical insulation. 2,439,929, Apr. 20.
- Hill, Donald M., trustee, assignee: *See—*
Boughton, Willis A., and Dawes, and Mansfield.
- Hill, Earl S., Albany, assignor to Shell Development Company, San Francisco, Calif. Manufacturing hydrogen chloride. 2,444,256, June 29.
- Hill, Elsie M., assignee: *See—*
Hill, Jared A.
- Hill, Frank B.: *See—*
Jackson, Thomas, and Hill.

- Hill, Frederick B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic rubber-like materials comprising fluoroprene. 2,436,213, Feb. 17.
- Hill, George E., Washington Suburbs, Prince Georges County, Md. Tow bar. 2,448,311, Aug. 31.
- Hill, George L., Houston, Tex. Acetylene generator. 2,456,278, Dec. 14.
- Hill, Harold S.: *See*—
Beath, Laurence R., and Hill.
- Hill, Harold S., and L. R. Beath, Kenogami, assignors to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Controlling the power input of electrical conductance heaters. 2,454,174, Nov. 16.
- Hill, Harvey R., Ogden, Utah. Apron. 2,442,895, June 8.
- Hill, Helen G.: *See*—
Speller, Maxine W., and Hill.
- Hill, Helen G., Port Washington, N. Y. Abdominal and garter support. 2,446,590, Aug. 10.
- Hill, Howard W., Concord, and E. L. Dance, Berkeley, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making ethyl chloride. 2,453,691, Nov. 16.
- Hill, Irving, assignor to The Lawrence Paper Company, Lawrence, Kans. Controlled ventilated container. 2,453,574, Nov. 9.
- Hill, Irving, and W. Nelson, Lawrence, Kans., assignors of one-third to M. H. Ravndal, Washington, D. C., one-third to E. H. Cowgill, Louisville, Ky., and one-third to J. D. Hill, Lawrence, Kans. Garden and apparatus for separating the soils and plants therein. 2,436,770, Feb. 24.
- Hill, Jared A., Burlingame, Calif., assignor, by decree of distribution to Elsie M. Hill. Hot and cold water system. 2,434,928, Jan. 27.
- Hill, John H., Mount Clemens, Mich. Machine for cutting work pieces. 2,440,950, May 4.
- Hill, John S., assignor to Masonite Corporation, Laurel, Miss. Process of recovering organic compounds. 2,436,804, Mar. 2.
- Hill, John S., assignor to Masonite Corporation, Laurel, Miss. Drum drier for sheet material. 2,437,254, Mar. 9.
- Hill, Joshua A., Canoga Park, Calif. Machine for assorting eggs according to weight. 2,442,689, June 1.
- Hill, Justin D., assignee, et al.: *See*—
Hill, Irving, and Nelson.
- Hill, Lawrence R., Wilkinsburg, and J. J. Keyes, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device for treating wire. 2,434,565, Jan. 13.
- Hill, Lawrence R., Pittsburgh 21, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Soldering with resin fluxes. 2,445,431, July 20.
- Hill, Mark L.: *See*—
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Hill, and Cantrell.
Smith, Herschel G., Hill, and Peck.
- Hill, Mark L., Bethel Township, Delaware County, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. 2-ethyl-hexyl, N-octadecyl tetrachlorophthalimide and insecticidal compositions containing the same. 2,454,061, Nov. 16.
- Hill, Maurice G., and C. A. Cooper, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Stiffening the uppers of shoes. 2,447,578, Aug. 24.
- Hill, Philip: *See*—
Ridgway, John A., Jr., and Hill.
- Hill, Philip, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic alkylation of aromatic hydrocarbons by long chain olefins. 2,437,356, Mar. 9.
- Hill, Robert H., assignor to The Marison Company, Elgin, Ill. Pump. 2,444,100, June 29.
- Hill, Robert H., assignor to The Marison Company, Elgin, Ill. Refrigerating an article by contact with a vaporizable refrigerant. 2,447,249, Aug. 17.
- Hill, Russell A., Grosse Pointe, Mich. Sanding block. 2,446,134, July 27.
- Hill, Thomas C.: *See*—
Kraemer, Robert W., Hill, and van Zelm.
- Hill, Thomas C., Parkville, and W. A. Schmidt, assignors to The Glenn L. Martin Company, Middle River, Md. Constant volume expandable brake line. 2,455,334, Nov. 30.
- Hill, Walter E., Streetly, and T. D. G. Wintle, Walsall, England. Electric socket. 2,446,926, Aug. 10.
- Hill, Walter E., Streetly, and T. D. G. Wintle, assignors to J. A. Crabtree & Co., Ltd., Walsall, England. Bus bar and connecting link for use in electrical wiring systems. 2,453,224, Nov. 9.
- Hill, William A., Spokane, Wash. Engine braking apparatus. 2,440,336, Apr. 27.
- Hill, William H.: *See*—
Baker, Albert L., and Hill, and Markl.
- Hill, William H., and J. H. F. Veltman, Mount Lebanon, assignors to Koppers Company, Inc., Pittsburgh, Pa. Prevention of formation of colors in thiocyanates. 2,440,717, May 4.
- Hilland, Henry J., Chicago, Ill. Adjustable form locking chase structure. 2,449,381, Sept. 14.
- Hillberg, Bror, assignor to Superior Concrete Accessories, Chicago, Ill. Combined bar support and spacer. 2,439,428, Apr. 13.
- Hillenbrand, William A., Franklin County, assignor to Hill-Rom Company, Inc., Batesville, Ind. Table construction. 2,456,415, Dec. 14.
- Hilliard Corporation, The, assignee: *See*—
La Brecque, Theodore A., and Skoog.
- Hillier, James: *See*—
Zworykin, Vladimir K., and Hillier.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Compound electron objective lens. 2,438,971, Apr. 6.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron optical system and method. 2,443,107, June 8.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Operating electron guns. 2,444,700, July 6.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Instrument for measuring and indicating ultra high frequencies. 2,446,228, Aug. 3.
- Hillier, James, Cranbury, and R. F. Baker, Princeton, N. J., assignors to Radio Corporation of America. High resolution microscopy. 2,448,594, Sept. 7.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Electron lens correction device. 2,455,676, Dec. 7.
- Hillman, Roy: *See*—
Gibbs, Kelly W., and Hillman.
- Hillman, Lloyd A., Bay City, assignor of one-half to L. R. Cuthbert, Essexville, Mich. Chip breaker. 2,457,469, Dec. 28.
- Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A.
- Hills Bros. Coffee, Inc., assignee: *See*—
Hills, Leslie W.
- Hills, Elmer G., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Electrical connector for coaxial cables. 2,434,742, Jan. 20.
- Hills, Leslie W., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Centrifugal dust separator. 2,441,631, May 18.
- Hills, Leslie W., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Friction top can. 2,443,984, June 22.
- Hillyer, John C.: *See*—
Schulze, Walter A., and Hillyer.
- Hillyer, John C., Bartlesville, Okla., and D. A. Nicewander, Borger, Tex., assignors to Phillips Petroleum Company. Inhibiting polymerization of furfural. 2,440,442, Apr. 27.
- Hilsinger, Harry A., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coil-winding machine. 2,453,749, Nov. 16.
- Hiltman, Laurence W.: *See*—
Horner, Kenneth K., and Hiltman.
- Hilton, Harold L., Terrace Park, H. C. Hilton, Cincinnati, and H. L. Hargett, Madeira, Ohio, said Hargett assignor to said H. L. Hilton and said H. C. Hilton. Stacked article dispenser. 2,445,830, July 27.
- Hilton, Henry C.: *See*—
Hilton, Harold L. and H. C., and Hargett.
- Himel, Chester M., and G. C. Bailey, Bartlesville, Okla., assignors to Phillips Petroleum Company. Lubricating oil additives. 2,439,734, Apr. 13.
- Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of thiolesters. 2,445,142, July 13.
- Himmel, Leon: *See*—
Watts, Chester B., Jr., and Himmel.
- Himmer, Harold H., Aberdeen, Md. Rotating band. 2,454,801, Nov. 30.
- Himottu, Waino E., Gardner, Mass. Fishing lure. 2,439,621, Apr. 13.
- Hinckley, Frank C., Stratford, Conn., assignor to Columbia Records Inc. Manufacture of phonograph records. 2,448,030, Aug. 31.
- Hindall, Alva L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Storage battery plate paste expander. 2,436,299, Feb. 17.
- Hindall, Alva L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Reconditioning battery plates. 2,451,087, Oct. 12.
- Hinde & Dauch Paper Company, The, assignee: *See*—
Cassidy, John H., and Grunden.
- Hinds, Robert L., Toledo, Ohio. Electrode control. 2,457,675, Dec. 28.
- Hinegardner, Wilbie S., et al.: *See*—
Carlisle, Paul J., and Hinegardner.
- Hineline, Edson S., assignor to Grafex, Inc., Rochester, N. Y. Curtain slot adjusting means to control the exposure time of camera shutters. 2,435,835, Feb. 10.
- Hineline, Harris D., Mount Vernon, N. Y., assignor to Standard Oil Development Company. Thickened lubricant. 2,446,927, Aug. 10.
- Hines, Claude M.: *See*—
Hewitt, Ellis E., and Hines.
- Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electronic brake control apparatus. 2,435,310, Feb. 3.
- Hines, Claude M., Verona, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electronic vehicle control apparatus. 2,438,394, Mar. 23.
- Hines, Claude M., Verona, and C. D. Stewart, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed differential detecting apparatus. 2,452,191, Oct. 26.
- Hines, Samuel J., Alexandria, La. Safety parachute. 2,433,952, Jan. 6.

- Hings, Donald L., Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Radio noise rejector circuit. 2,438,501, Mar. 30.
- Hings, Donald L., Ottawa, Ontario, Canada. Oscillator control circuit. 2,439,890, Apr. 20.
- Hings, Donald L., Ottawa, Ontario, Canada. Multiple transmitter units. 2,443,389, June 15.
- Hings, Donald L., Ottawa, Ontario, Canada, assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Radio signaling circuit. 2,447,701, Aug. 24.
- Hinkle, George A., New York, and A. T. Weger, Baldwin, N. Y. Knee lock for artificial legs. 2,449,897, Sept. 21.
- Hinks, Bernard, Willenhall, England. Electromagnetic switch. 2,454,451, Nov. 23.
- Hinman, Donald D., Cleveland Heights, Ohio, assignor to General Electric Company. Starting arrangement for electric discharge devices. 2,451,830, Oct. 19.
- Hinman, Wilbur S., Jr.: *See—*
Diamond, Harry, Duimore, and Hinman.
- Hinrichs, Frederick B., assignee: *See—*
Hickman, Robert W.
- Hinschelwood, Peter, Chicago, Ill. Traffic signaling system. 2,435,683, Feb. 10.
- Hinson, James, assignor to The Hinson Manufacturing Company, Waterloo, Iowa. Wardrobe suitcase. 2,453,663, Nov. 9.
- Hinson Manufacturing Company, The, assignee: *See—*
Hinson, James.
- Hinton, Ray D., Oak Park, Ill. Office cabinet having shelf-forming closures. 2,453,129, Nov. 9.
- Hintsala, Eino W., U. S. Army. Thermometer centrifuge. 2,435,588, Feb. 10.
- Hintz, Herbert P., Moline, Ill., and W. L. Klepac, Davenport, Iowa. Reciprocating work carrier for marking machines. 2,435,215, Feb. 3.
- Hintze, Gustav, Berlin N. W. 21, Germany: vested in the Attorney General of the United States. Running wheel for agricultural vehicles. 2,435,783, Feb. 10.
- Hippard, Ralph M., Middleboro, Ky. Shuttle car. 2,439,001, Apr. 6.
- Hippen, Herman A.: *See—*
Lance, Herbert C., and Hippen.
- Hipple, John A., Jr., Verona, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Electrical network. 2,451,950, Oct. 19.
- Hippler, Hans, North Hollywood, Calif. Hook guard. 2,454,698, Nov. 23.
- Hipps, Herbert E., U. S. Navy. Portable surgical table. 2,454,802, Nov. 30.
- Hirsch, Charles, New York, N. Y., assignor to American Wheelabrator & Equipment Corporation. Tumbling machine. 2,447,802, Aug. 24.
- Hirsch, Clyde S., Sulphur, La. Hair roller. 2,435,275, Feb. 3.
- Hirsch, Frederic, assignor, by mesne assignments, to Astra Bent Wood Furniture Co., New York, N. Y. Composite chair. 2,454,699, Nov. 23.
- Hirsch, Richard V., South Gate, Calif. Shearer. 2,448,219, Aug. 31.
- Hirsch, Sander S., Bronx, N. Y. Prefabricated covering. 2,442,977, June 8.
- Hirsch, Stephen G., assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Spool for fishing reels. 2,438,440, Mar. 23.
- Hirsch, Sylvan R., assignor to Brunner Manufacturing Company, Utica, N. Y. Compressor unloader. 2,445,527, July 20.
- Hirschberg, Charles A., Mountain Lakes, N. J. Percussive apparatus. 2,446,830, Aug. 10.
- Hirschhorn, Louis, Roslyn, assignor, by mesne assignments, to National Iron Bag Co., Inc., Long Island City, N. Y. Manufacturing and filling of essence containing packages for brewing beverages. 2,447,754, Aug. 24.
- Hirschler, Alfred E.: *See—*
Lipkin, Moses K., and Hirschler.
- Hirschler, Alfred E., Drexel Hill, and M. R. Lipkin, assignors to Sun Oil Company, Philadelphia, Pa. Cyclic process for separating aromatic hydrocarbons from a mixture of hydrocarbons. 2,441,572, May 18.
- Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Purification of naphthenic hydrocarbons. 2,448,488, Aug. 31.
- Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separation of aromatic hydrocarbons by selective adsorption in silica gel. 2,448,489, Aug. 31.
- Hirschbergh, Julius H., Los Angeles, Calif. Cabinet having automatically shiftable mirror. 2,452,375, Oct. 26.
- Hirst, Franklin G., Philadelphia, Pa. Disk handling apparatus. 2,454,556, Nov. 23.
- Hirt, Rudolf: *See—*
Martin, Henry, Gysin, Neracher, and Hirt.
- Hirt, Rudolf, Riehen, H. Gysin, and H. Martin, assignors to J. R. Geigy A. G., Basel, Switzerland. Acylated p-aminobenzene sulfonamides. 2,457,371, Dec. 28.
- Hirtle, Dan W., assignor to Burgess Battery Company, Freeport, Ill. Dry battery for hearing aids. 2,440,401, Apr. 27.
- Hi-Seat Corporation, assignee: *See—*
Ross, Matthew.
- Hiserich, Charles A., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fluxion meter. 2,447,336, Aug. 17.
- Histand, Albert R., Croyden, Pa. Lunch box. 2,457,043, Dec. 21.
- Hitchcock, Forest B.: *See—*
Preston, Neil D., and Hitchcock.
- Hitchcock, Rex B., Brussels, Belgium, and W. C. Rosenthal, Chicago, Ill., assignors to International Harvester Company. Implement construction. Re. 22,991, Mar. 23.
- Hitchcox, Annie, assignee, et al.: *See—*
Milwain, Alfred.
- Hitchcox, Herbert H. G., assignee, et al.: *See—*
Milwain, Alfred.
- Hitchen, Herbert, assignor to British Ropes Limited, Doncaster, England. Cable tensiometer. 2,452,302, Oct. 26.
- Hitchens, Richard M., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized cellulose ester compositions. 2,455,581, Dec. 7.
- Hitchings, George H., Tuckahoe, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Preparation of dihydroxanthopterin and xanthopterin. 2,437,853, Mar. 16.
- Hitchings, George H., Tuckahoe, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Preparation of xanthopterin. 2,440,221, Apr. 20.
- Hite, Everett C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Basic refractory structures. 2,454,922, Nov. 30.
- Hite, George, Dorchester, and G. E. Whitham, Wollaston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Self-synchronous frequency divider. 2,444,890, July 6.
- Hittson, Harker H., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Vibratory conveyor. 2,444,134, June 29.
- Hite, Joseph J., assignor to American Hoist & Derrick Co., St. Paul, Minn. Material handling apparatus. 2,435,353, Feb. 3.
- Hitt, Ira V., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn treating apparatus. 2,455,173, Nov. 30.
- Hitt, Ira V., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Free fall fiber. 2,455,174, Nov. 30.
- Hittenberger, Herman G., Alameda, Calif. Surgical appliance. 2,434,883, Jan. 20.
- Hittenberger, Herman G., Oakland, Calif. Surgical brace. 2,453,370, Nov. 9.
- Hittson, Harker H., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Variable throw vibratory head for screens, conveyers, and the like. 2,445,175, July 13.
- Hi-Way Service Corporation, assignee: *See—*
Drott, Edward A., and Kerber.
- Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, as trustee. Treatment of rosin. 2,439,807, Apr. 20.
- Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Producing chlorine and sodium sulfate. 2,441,550, May 11.
- Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Recovery of acidic gases. 2,449,537, Sept. 21.
- Hjelmblad, Karl W. J., Alsten, Sweden. Arrangement in grinding machines. 2,452,123, Oct. 26.
- Hjelte, Sixten M., Stockholm, Sweden. Bituminous emulsions. 2,434,243, Jan. 13.
- Hlavaty, Rudolph F., Cicero, Ill. Multilayered fibrous batting. 2,454,175, Nov. 16.
- Hlavin, William S.: *See—*
Sigmund, Frank J., and Hlavin.
- Hobill, Charles, Astoria, Long Island, N. Y. Moccasin with ornamental edging. 2,439,341, Apr. 6.
- Hoach, Roy H., Detroit, Mich. Window ventilator. 2,437,741, Mar. 16.
- Hoagland, Lucille E., Rosemead, Calif. Lengthening skirts. 2,441,664, May 18.
- Hoague-Sprague Corporation, assignee: *See—*
Knowlton, Cutler D., and Burke.
- Hoak, D. R., assignee: *See—*
Forrest, Thomas W. W.
- Hoard, Bert V., Portland, Oreg., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Differential relay and restraint magnet therefor. 2,439,930, Apr. 20.
- Hoare, Robert C.: *See—*
Erkkila, Armas V., and Hoare.
- Hoban, Hugh C., Dartford, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England. Wiper or die for use in the coating of wires. 2,438,700, Mar. 30.
- Hobart Brothers Company, The, assignee: *See—*
Hobart, Edward A., and Flora.
- Hobart, Edward A., and R. T. Flora, assignors to The Hobart Brothers Company, Troy, Ohio. Alternating current vertical welder. 2,457,372, Dec. 28.
- Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Crankcase oil thrower and crankpin lubricating device. 2,449,227, Sept. 14.

- Hobbie, Albert C., Moorestown, N. J., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation process and apparatus. 2,443,070, June 8.
- Hobbs, Bryan J., Millwood, Wash. Tool handle lock. 2,450,044, Sept. 28.
- Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Controlling variable speed gears. 2,446,087, July 27.
- Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Power-transmission apparatus. 2,446,088, July 27.
- Hobbs, James C., Painesville, Ohio. Pipe coupling. 2,443,187, June 15.
- Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Portable hand light. 2,450,141, Sept. 28.
- Hobbs, John W., Corporation, assignee: *See*—Hobbs, John W.
- Hobbs Transmission Limited, assignee: *See*—Hobbs, Howard F.
- Hobby, Harold E., assignor to Simplex Time Recorder Co., Gardner, Mass. Tape time-recorder with differentiated records. 2,447,803, Aug. 24.
- Hobourn, Percival L., Leamington Spa, and W. H. Joy, Coventry, England. Bobbin carrier for braiding machines. 2,448,312, Aug. 31.
- Hobson, Elmer B., Wichita, Kans. Power actuated rotary scraping tool for meat blocks. 2,453,371, Nov. 9.
- Hobson, H. M., assignee: *See*—Greenland, Leonard S.
- Hobson, H. M., Limited, assignee: *See*—Greenland, Leonard S.
- Hoburg, Francis: *See*—Hoburg, Mason A. and F.
- Hoburg, Mason A. and F., St. Helena, Calif.; said F. Hoburg assignor to said M. A. Hoburg. Watering trough. 2,452,237, Oct. 26.
- Hoch, Arthur E., Trenton, N. J., assignor to Crane Co., Chicago, Ill. Method and apparatus for glazing circuitous passages. 2,447,337, Aug. 17.
- Hoch, John, Corona, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Automatic molding machine and method. 2,445,742, July 20.
- Hoch, Joseph F.: *See*—Morrison, Clifford, and Hoch.
- Hochgesang, Frank P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Radiation detector. 2,445,305, July 13.
- Hochner, Alex., New York, N. Y. Cover structure for suitcases, valises, and similar carrying cases. 2,438,780, Mar. 30.
- Hochreiter, Edward, Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Apparatus for stretch forming elongated articles. 2,445,089, July 27.
- Hochron, Milton, New York, N. Y. Collapsible cart. 2,437,386, Mar. 9.
- Hochwalt, Carroll A., Rahn Road, and C. J. Stehman and R. W. Sudhoff, Vanburen Township, Montgomery County, Ohio, assignors to Monsanto Chemical Company. Production of formaldehyde. 2,434,850, Jan. 20.
- Hochuli, Ernst: *See*—Widmer, Gustav, Sutter, Fisch, and Hochuli.
- Hochwarder, John, Cleveland, Ohio. Work positioner. 2,451,733, Oct. 19.
- Hocutt, Rudolph H.: *See*—Snow, Howard, and Hocutt.
- Hodell, William R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,445,432, July 20.
- Hoder, Harry, assignee: *See*—Dodson, Jesse L.
- Hodgdon, Frank B., Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of making dielectric materials. 2,446,928, Aug. 10.
- Hodges, Caleb E., Roselle, N. J., and A. F. Cashman, Staten Island, N. Y., assignors to Standard Oil Development Company. Lube additives made by solvent refining high molecular weight aliphatic-aromatic condensation products. 2,454,452, Nov. 23.
- Hodges, Paul C.: *See*—Morgan, Russell H., and Hodges.
- Hodges, Thomas A., assignee: *See*—Hiers, Franklin J.
- Hodgins, Sydney M., Lakewood, Ohio. Float or the like. 2,445,268, July 13.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for fluorescent lamps. 2,456,940, Dec. 21.
- Hodgson, Richard H., Vancouver, British Columbia, Canada. Automatic transmission. 2,445,482, July 20.
- Hodgson, Richard H., Vancouver, British Columbia, Canada. Valve for step-by-step servomotors. 2,439,515, Apr. 13.
- Hodgson, Ronald M., London, England. Hardening of soil and the like. 2,437,387, Mar. 9.
- Hodll, Ralph W., near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. High temperature cleaning of steel strip including removing ferrous chloride therefrom. 2,437,528, Mar. 9.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective fuse for electrical apparatus immersed in a dielectric liquid. 2,439,931, Apr. 20.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transformer structure. 2,456,941, Dec. 21.
- Hodson, Charles F., Burnham, assignor to The Fairey Aviation Company, Limited, Hayes, Middlesex, England. Control of rotating wing aircraft. 2,439,089, Apr. 6.
- Hodson, George F., Altus, Okla. Conveyor egg washing and drying machine. 2,438,666, Mar. 30.
- Hodson, George F., Altus, Okla., assignor to Wilson & Company, Inc. Breaking eggs by grinding the shell and separately cutting the membrane. 2,443,188, June 15.
- Hodson, George F., Chicago, Ill., assignor to Wilson & Co. Inc. Coating eggs for breaking. 2,439,808, Apr. 20.
- Hoe, R., & Co., Inc., assignee: *See*—Eckhard, William K., and Goodwin.
- Huck, William F.
- Lamatsch, Frederick.
- Stempel, Laszlo M.
- Hoeh, Charles, Santa Rosa, Calif. Apparatus for preparing livestock feed. 2,437,917, Mar. 16.
- Hoehn, Harvey H., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of fluoroalkanes. 2,436,143, Feb. 17.
- Hoehn, Karl, Canton, Ohio. Connector for electric receptacles. 2,457,235, Dec. 28.
- Hoekstra, Albert, San Antonio, Tex. Window lift and fastener. 2,448,977, Sept. 7.
- Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Column lubrication for radial drills. 2,441,764, May 18.
- Hoelzle, Kurt, and E. Kambil, assignors to Ciba Limited, Basel, Switzerland. Indigoid vat dyestuff. 2,453,225, Nov. 9.
- Hoenig, Daniel: *See*—Gleitsman, Harold, and Hoenig.
- Hoern, Joseph H., Birmingham, and C. G. Pardee, Detroit, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Rotor grinder. 2,456,060, Dec. 14.
- Hoenie, Norman J.: *See*—Landis, George G., and Hoenie.
- Hoerle, Christian K., Torrington, Conn. Composite wood and metal ski. 2,434,851, Jan. 20.
- Hoerle, Christian K., Torrington, Conn. Metal ski. 2,446,591, Aug. 10.
- Hoern, Joseph H., and M. D. Archangeli, Birmingham, Mich., assignors to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. 2,434,072, Jan. 6.
- Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve seat assembly. 2,447,858, Aug. 24.
- Hoernle, Adolph W., New York, N. Y. Machine for making terminals and the like. 2,434,159, Jan. 6.
- Hoertz, Norman: *See*—Newton, John A., and Hoertz.
- Hoesel, Anthony F., Chicago, Ill., assignor to Peerless of America, Inc., Marion, Ind. Refrigerating system and heat exchanger therefor. 2,441,270, May 11.
- Hoessel, Carl L., Wauwatosa, Wis. Safety electric wall plate. 2,455,582, Dec. 7.
- Hoewischer, Frederick W.: *See*—Woodberry, John H., and Hoewischer.
- Hof, Rufus C., La Bolt, S. Dak. Power lever and engine using the same. 2,439,002, Apr. 6.
- Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Float type expansion chamber for closed fluid systems. 2,444,351, June 29.
- Hofe, George D., South Orange, N. J. Depilatory device. 2,434,407, Jan. 13.
- Hoffar, Henry S., near Sidney, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction screw and nut bearing mechanism. 2,455,368, Dec. 7.
- Hoffar, Henry S., Vancouver, British Columbia, Canada, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Antifriction worm gearing. 2,455,487, Dec. 7.
- Hoffecker, John W., J. Wilson, and W. Nenstiehl, Wilmington, Del., assignors, by mesne assignments, to Continental Can Company, Inc. Cork insert feeding device for crown cap assembly machines. 2,435,589, Feb. 10.
- Hoffer, Frank W., assignor to J. M. Degnan, Detroit, Mich., as trustee. Automatic fluid pressure balancing system. 2,449,297, Sept. 14.
- Hoffer, James F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Combined injector nozzle and filter. 2,445,260, July 13.
- Hofer, Lawrence J. E.: *See*—Hawk, Charles O., Stern, and Hofer.
- Hoffer, Max: *See*—Furter, Max F., and Hoffer.
- Hoffman, Alan C.: *See*—Olcott, James, and Hoffman.
- Hoffman, Albert F., East Orange, N. J. Freezing high liquid content fruits and vegetables. 2,453,130, Nov. 9.
- Hoffman, Arthur J., and R. W. Muerle, Springfield, assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill. Piston pump. 2,442,650, June 1.
- Hoffman, Cyrus F., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated display case. 2,438,972, Apr. 6.
- Hoffman, Eugene R., Miami, Fla. External cover construction for handbags. 2,435,784, Feb. 10.

- Hoffman, Harry W., Anoka, and G. H. Helmer, deceased; assignors to Federal Cartridge Corporation, Minneapolis, Minn. Photoelectric inspection device. 2,442,690, June 1.
- Hoffman, Harry W., Anoka, and G. H. Helmer, St. Louis Park, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Circuit controlling apparatus. 2,444,352, June 29.
- Hoffman, Howard T., Cleveland, Ohio, assignor to Bailey Meter Company. Telemetric system. 2,453,686, Nov. 9.
- Hoffman, John J., Point Pleasant, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Apparatus for and method of treating food products. 2,456,124, Dec. 14.
- Hoffman, John S.: *See*—
Davis, John V., and Hoffman.
- Hoffman, Louis, Brooklyn, and A. Dalmen, Jamaica, assignors to P. L. Andrews Corporation, Brooklyn, N. Y. Window cutting envelope machines. 2,445,831, July 27.
- Hoffman, Otto, Portland, Ore. Hand propelled wheeled cultivator. 2,450,236, Sept. 28.
- Hoffman, Philip, Mount Healthy, Ohio. Flush pin indicator. 2,445,176, July 13.
- Hoffman, Raymond A., Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodepositing composition and bath. 2,457,152, Dec. 28.
- Hoffman, Ross B.: *See*—
Labin, Emile, and Hoffman.
- Hoffman, Ross B., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio indicating system. 2,436,805, Mar. 2.
- Hoffman, Widof J., and O. P. Olson, Chicago, Ill. Dispensing toothbrush. 2,439,166, Apr. 6.
- Hoffmann, Georges, Belfort, France, assignor to General Electric Company. Reversible turbine arrangement for cooling idle turbines. 2,434,160, Jan. 6.
- Hoffmann, Karl, and H. Schellenberg, Basel, and K. Miescher, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J. 2-amino-methyl-indenes and their production. 2,441,069, May 4.
- Hoffmann-La Roche Inc., assignee: *See*—
Aeschlimann, John A.
Avison, Anthony W. D., Bergel, and Haworth.
Bergel, Franz, and Cohen.
Bergel, Franz, Morrison, Moss, Königstein, and Rinderknecht.
Bergel, Franz, Morrison, and Rinderknecht.
Blankart, André.
Businger, Albert.
Duschinsky, Robert.
Flexser, Leo A.
Flexser, Leo A., and Farkas.
Huber, Walter.
Isler, Otto.
Karrer, Paul.
Karrer, Walter.
Lindlar, Herbert.
Morrison, Alexander L., and Königstein.
Schneider, Otto, Bourquin, and Grüssner.
Solmsen, Ulrich V.
Steiger, Norbert.
Sternbach, Leo H.
Wenner, Wilhelm.
Zumbrunn, Robert.
- Hofgaard, Rolf, Nordstrandshogda, near Oslo, Norway. Coupling means for use with calculating, bookkeeping, or like machines. 2,449,228, Sept. 14.
- Hofman Laboratories, Inc., assignee: *See*—
Sulfrian, Gerard F.
- Hofmann, Albert: *See*—
Stoll, Arthur, and Hofmann.
- Hofmann, Alfred, & Company, assignee: *See*—
Hepp, Carlos A., and Schoenster.
- Hofmann, Corris M.: *See*—
Lecher, Hans Z., Parker, and Hofmann.
- Hofmann, Frank J., New York, N. Y. Combined dental powder dispenser and brush holder. 2,439,429, Apr. 13.
- Hofmann, George, assignor to American Locker Company, Inc., Boston, Mass. Coin controlled lock. 2,437,742, Mar. 16.
- Hofmann, Klaus, Pittsburgh, Pa., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 2-substituted-3,4-diamino-furan urethans and derivatives thereof. 2,453,627, Nov. 9.
- Hofmann, Maximilian P., Bay Village, assignor to The C. O. Bartlett and Snow Company, Cleveland, Ohio. Apparatus for mixing. 2,435,216, Feb. 3.
- Hofmann, Maximilian P., Bay Village, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Apparatus for mixing. 2,445,617, July 20.
- Hofmann, Richard U., Rye, N. Y., assignor, by mesne assignments, to The Baldwin Locomotive Works. Impact testing machine. 2,450,662, Oct. 5.
- Hofmann, W., Textiles Inc., assignee: *See*—
Hofmann, Willy.
- Hofmann, Willy, assignor to W. Hofmann Textiles Inc., West New York, N. J. Tufting machine. 2,449,529, Sept. 14.
- Hofstatter's Sons, Inc., assignee: *See*—
Doggett, David L., and Schier.
- Hogan, Clarence C., Los Angeles, Calif. Self-inking seal press. 2,443,137, June 8.
- Hogan, John V. L., Forest Hills, and H. C. Ressler, Bay-side, assignors to Faximile, Inc., New York, N. Y. Graphic privacy system. 2,437,255, Mar. 9.
- Hogan, Louis W., Houlton, Maine. Potato digging machine. 2,456,416, Dec. 14.
- Hogan, Sidney S., assignee: *See*—
Mackey, George W.
- Hoge, John R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Closure. 2,441,918, May 18.
- Hogue, James T., San Francisco, Calif., assignor, by decree of court, to L. M. Hogue. Angle calculator for structural members. 2,438,667, Mar. 30.
- Hogue, Lenna M., assignee: *See*—
Hogue, James T.
- Hohl, John, Toledo, Ohio, assignor to Illinois Glass Company. Machine for tightening caps on containers. 2,445,270, July 13.
- Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container and closure therefor. 2,453,664, Nov. 9.
- Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Capping machine. 2,455,175, Nov. 30.
- Hohl, John, and O. Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Steam distributor for vacuumizing containers in sealing machines. 2,439,773, Apr. 13.
- Hohl, John, and E. L. Voigt, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Receptacle and closure. 2,443,506, June 15.
- Hohmann, Gottfried H.: *See*—
Finch, William G. H., and Hohmann.
- Hohmann, Richard K., Jamaica, N. Y., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing-machine hook mechanism. 2,452,756, Nov. 2.
- Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.
Hohwart, George and E. F., and Smith.
- Hohwart, George and E. F., and P. A. Smith, Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Drill press. 2,441,414, May 11.
- Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,450,800, Oct. 5.
- Hohwart, George, Detroit, assignor to N. A. Woodworth Company, Ferndale, Mich. Double end center lapping machine. 2,456,061, Dec. 14.
- Hoiberg, Arnold J., El Dorado, Ark., assignor to Lion Oil Company. Air-blown asphalt and catalytic preparation thereof. 2,450,756, Oct. 5.
- Hoishman, Julius, Bronx, N. Y. Hanging shoeshine kit bag. 2,441,415, May 11.
- Hoitt, Robert W.: *See*—
Gautier, Trevor R., and Hoitt.
- Hojnowski, Jakob, Nekoosa, Wis. Toy airplane. 2,437,743, Mar. 16.
- Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Coin device. 2,446,510, Aug. 3.
- Hokanson, Otto A., Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Coin selecting device. 2,453,437, Nov. 9.
- Hokett, William G., Phoenix, Ariz. Vehicular motion-picture camera. 2,457,236, Dec. 28.
- Holan, James H., Rocky River, and H. J. Troche, Cleveland Heights, assignors to The American Coach & Body Company, Cleveland, Ohio. Vehicle body tool compartment construction. 2,455,417, Dec. 7.
- Holan, Leif A., and J. O. Bourdeaux, Minneapolis, Minn., said Bourdeaux assignor of one-sixth to said Holan. Internal-combustion engine. 2,448,430, Aug. 31.
- Holberton, Bernard V., Cheltenham, England, assignor to Rotol Limited. Aircraft propeller. 2,442,691, June 1.
- Holbro, Theodor: *See*—
Kern, Walter, Sutter, Moergeli, and Holbro.
- Holbrook, John A., assignor to Worcester Polytechnic Institute, Worcester, Mass. Power transmission for helicopter rotors. 2,456,942, Dec. 21.
- Holbrook, Wallace, Los Angeles, Calif. Air heater having reverted expanding combustion chamber. 2,448,595, Sept. 7.
- Holcomb, Harry E.: *See*—
McDermott, Paul F., and Holcomb.
- Holcomb, Harry F., Dallas, Tex. Folding golf cart. 2,452,929, Nov. 2.
- Holcomb, Philo, Jr., Great Neck, N. Y. Signaling buoy. 2,447,069, Aug. 17.
- Holcomb, Robert L., assignor of one-half to Sally O'B. Holcomb, Fairfield, Conn. Nail sealing washer. 2,439,516, Apr. 13.
- Holcomb, Sally O'B.: *See*—
Holcomb, Robert L.
- Holcomb, Walter F.: *See*—
Jones, Eldon M., Rawlins, Burckhalter, and Holcomb.
- Holcomb, Walter F., Detroit, and L. A. Sweet, Grosse Pointe Park, assignors to Parke, Davis & Company, Detroit, Mich. Diamines. 2,441,665, May 18.
- Holcombe, Mack H., Scottdale, Ga. Loom bumper. 2,455,418, Dec. 7.
- Holdall Bag Company, Inc., assignee: *See*—
Gibson, William P.
- Holdaway, Vivian L., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode structure for gaseous discharge devices. 2,451,556, Oct. 19.

- Holden, Eugene G., Jr., Lemoore, Calif., assignor to American Colloid Company, Chicago, Ill. Preservation of baked cereal food. 2,443,138, June 8.
- Holden, Gary M., Beverly Hills, Calif. Dental clasp. 2,440,443, Apr. 27.
- Holden, William B., U. S. Navy. Dehumidifying unit. 2,440,272, Apr. 27.
- Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric air position indicator. 2,434,270, Jan. 13.
- Holder, Clinton H.: *See*—
Welly, Albert B., Jr., and Holder.
- Holdren, Robert F., assignor to Iowa State College Research Foundation, Ames Iowa. Manufacture of methylfuran. 2,445,714, July 20.
- Holdridge, Warren B., Los Angeles, Calif. Lathe radii attachment. 2,452,757, Nov. 2.
- Holdsworth, Harold: *See*—
Darling, Harold N., and Holdsworth.
- Holicer, John R., Shreveport, La. High-pressure petroleum gas dispensing method and apparatus. 2,449,118, Sept. 14.
- Holicer, John R., Shreveport, La. Control fitting for liquefied petroleum gas tanks. 2,449,119, Sept. 14.
- Holicer, John R., Shreveport, La. Slip tube gauge for liquefied petroleum gas tanks. 2,450,142, Sept. 28.
- Holik, Melville J., Berwyn, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating inks. 2,454,700, Nov. 23.
- Holland Furnace Company, assignee: *See*—
Weyenberg, Henry, and Quist.
Weyenberg, Henry, and Kimberley.
Weyenberg, Henry, and Tice.
- Holland, Inez, Rockville Center, N. Y. Waterproof foldable handbag for baby accessories. 2,447,940, Aug. 24.
- Holland, John D., and D. D. Robinson, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio receiver circuits. 2,434,929, Jan. 27.
- Holland, William A., Chicago, Ill. Making sodium ascorbate. 2,442,005, May 25.
- Hollander, Irving, New York, N. Y. Umbrella tip and mounting holder therefor. 2,436,474, Feb. 24.
- Hollander, Maurice, New York, N. Y. Support for trays on folding bathtubs. 2,434,800, Jan. 20.
- Hollander, Nils B. P., St. Essingen, Sweden. Levelling tool. 2,438,558, Mar. 30.
- Hollar, John V., assignor to The La Resista Corset Company, Bridgeport, Conn. Brassiere. 2,456,872, Dec. 21.
- Hollenback, George M., Los Angeles, Calif. Device for mixing plaster compounds and fixtures. 2,453,914, Nov. 16.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Combination cast and stamped wheel. 2,440,858, May 4.
- Holley, Earl, assignee et al.: *See*—
Hieger, Robert H., Olson, and Udale.
Holley, George M., Jr.
Olson, Elmer, and Udale.
Orr, Andrew W., Jr.
Udale, Stanley M.
- Holley, George M., assignee, et al.: *See*—
Holley, George M., Jr.
Hieger, Robert H.
Hieger, Robert H., Olson, and Udale.
Olson, Elmer, and Udale.
Orr, Andrew W., Jr.
Udale, Stanley M.
Winter, Arthur G.
- Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Emergency pump. 2,440,371, Apr. 27.
- Holliday, Margaret M., Detroit, Mich. Sadiron holder. 2,438,054, Mar. 16.
- Hollingsworth, Douglas T.: *See*—
Brazier, Leslie G., and Hollingsworth.
- Hollingsworth, Douglas T., assignor to British Insulated Callender's Cables Limited, London, England. Detecting leaks in electric cables containing fluid under pressure. 2,438,441, Mar. 23.
- Hollingsworth, Raphael, Hedrick, Iowa. Insert for changing the compression ratio of internal-combustion engines. 2,452,238, Oct. 26.
- Hollins, Abraham and J., New York, N. Y. Control switch assembly. 2,454,873, Nov. 30.
- Hollins, Jesse: *See*—
Hollins, Abraham and J.
- Hollis, Thomas R.: *See*—
Cooklin, Leonard, and Hollis.
- Holloman, George V.: *See*—
Crane, Carl J., Holloman, Mueller, and Stout.
Stout, Raymond K., Muller, Crane, and Holloman.
- Holloway, Albert R., West Palm Beach, Fla. Vehicle tow bar. 2,447,250, Aug. 17.
- Holloway, Berkely M., Filbert, W. Va. Swivel connector. 2,447,179, Aug. 17.
- Holloway, Clark A., Jr.: *See*—
Weinrich, William W., Holloway, and Bonnell.
- Holloway, Donald F., and K. H. Spitzmueller, assignors to Industrial Patents Corporation, Chicago, Ill. Acylation of halogen substituted sulfoacids and salts. 2,441,816, May 18.
- Holloway, Frank M. and W. P., Austin, Tex. Spirit level. 2,453,091, Nov. 2.
- Holloway, Irma, Cedar Rapids, Iowa. Bed garment for infants. 2,439,658, Apr. 13.
- Holloway, John H., assignor to Northwest Engineering Company, Green Bay, Wis. Fuel injector. 2,437,529, Mar. 9.
- Holloway, John H., Green Bay, Wis. Connecting rod for internal-combustion engines. 2,446,090, July 27.
- Holloway, William P.: *See*—
Holloway, Frank M. and W. P.
- Hollstrom, Gunnar E., assignor to Norton Company, Worcester, Mass. Diamond grinding wheel construction. 2,442,129, May 25.
- Hollyday, Charles E., Jr., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Tube holding device. 2,453,319, Nov. 9.
- Hollywood, John M., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Pulse frequency selective recorder. 2,436,512, Feb. 24.
- Hollywood-Maxwell Co., assignee: *See*—
Bowen, Joseph R.
- Hollywood Rogue Sportswear Corp., assignee: *See*—
Seelye, Fredric.
- Holm, Melvin M.: *See*—
Elliott, Laverne P., and Holm.
- Holm, Walter P. T., assignor to Vibra Co. Soc. de Resp. Ltda., Buenos Aires, Argentina. Electric alarm device. 2,448,181, Aug. 31.
- Holman, Herbert E., West Drayton, and E. C. Cork, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency conductor having a low impedance movable electrical contact device. 2,454,062, Nov. 16.
- Holman, James W., Tulsa, Okla. Door check. 2,455,488, Dec. 7.
- Holman, Robert W., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Current regulating system. 2,455,997, Dec. 14.
- Holman, Sam N., Tampa, Fla. Commutator. 2,439,974, Apr. 20.
- Holmen, Carl M.: *See*—
Connell, William S., Boettcher, and Holman.
- Holmes, August, Cranford, N. J., and J. C. Roediger, Brooklyn, N. Y., assignors, by mesne assignments, to Standard Catalytic Company, Making asphaltic building blocks. 2,443,507, June 15.
- Holmes, Carl E., La Crescenta, Calif., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier element. 2,455,176, Nov. 30.
- Holmes, Edward L., Barksides, Ilford, assignor of one-half to Henry Hughes & Son Limited, London, England. Magnetic field indicating means. 2,435,276, Feb. 3.
- Holmes, Glenn E.: *See*—
Ostolaza, Frank, and Holmes.
- Holmes, Gray W., Miller, Mo. Thermostatic switch and holder therefor. 2,434,696, Jan. 20.
- Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Circular knitting machine with wrap thread mechanism. 2,442,411, June 1.
- Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Knitting machine. 2,450,376, Sept. 28.
- Holmes, Henry H., and A. H. Widdowson, assignors to Wildt and Company Limited, Leicester, England. Knitting machine of the links-links type. 2,442,412, June 1.
- Holmes, Hiram C., Stockton, Calif. Lumber roll assembly. 2,451,620, Oct. 19.
- Holmes, Louis W., assignor of one-third to A. M. Johnson and one-third to A. A. Rogers, Minneapolis, Minn. Means for covering walls. 2,444,738, July 6.
- Holmes, Ralph S., Princeton, N. J., assignor to Radio Corporation of America. Frequency measuring circuit. 2,457,676, Dec. 28.
- Holmes, Robert E., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Locking means for flexible chutes. 2,449,849, Sept. 21.
- Holmes, William R., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Reverse current relay and system. 2,455,060, Nov. 30.
- Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,446,330, Aug. 3.
- Holmgren, Viking R., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,451,219, Oct. 12.
- Holmstrom, Carl L., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Cutter relief mechanism for milling machines. 2,445,433, July 20.
- Holohan, Bartholomew, New York, assignor to Nelpin Manufacturing Company, Long Island City, N. Y. Lathe center. 2,437,957, Mar. 16.
- Holophane Company, Inc., assignee: *See*—
Tuck, Davis H.
- Holoplast, Limited, assignee: *See*—
Gonda, Desiré.
- Holroyd, Howard B., Davenport, Iowa. Cartridge belt link. 2,435,590, Feb. 10.
- Holsapple, Harvey T.: *See*—
Mears, Norman B., and Holsapple.

- Holschuh, Carl G., Glenhead, and L. C. Warner, Jackson Heights, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Power-operated aircraft gun turret. 2,434,653, Jan. 20.
- Holsclaw, Neil, Chicago, assignor of one-half to F. E. Sudlow, Rock Island, Ill. Tonsorial device. 2,442,128, May 25.
- Holst, Eugene C., Laurel, Md., dedicated to the free use of the people in the territory of the United States. Preparing an antibiotic substance from bacillus larvae. 2,442,006, May 25.
- Holst, Knute A., Astoria, Long Island, assignor to Pitometer Log Corporation, New York, N. Y. Reversible motor control system. 2,441,632, May 18.
- Holst, Paul F. G.: *See*—
Kirkwood, Loren R., and Holst.
- Holst, Paul F. G., Mount Healthy, Ohio. Electron beam focusing circuit. 2,447,804, Aug. 24.
- Holst, Paul F. G., Mount Healthy, Ohio, and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Radio navigation system. 2,442,692, June 1.
- Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Centering means for cathode-ray deflecting circuits. 2,455,771, Dec. 7.
- Holstebro, Kaye B., Gildersleeve, and L. Wimmer, Middletown, assignors to Standard-Knapp Corporation, Portland, Conn. Bottle packing machine. 2,452,376, Oct. 26.
- Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyors. 2,435,139, Jan. 27.
- Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker conveyors. 2,449,777, Sept. 21.
- Holt, Lee C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfurized terpenes. 2,443,823, June 22.
- Holt, Marcus L., Lookout Mountain, assignor of one-half to J. B. Brock, Adairsville, Ga. Vending machine. 2,438,502, Mar. 30.
- Holt, Marcus L., Lookout Mountain, assignor of one-half to J. B. Brock, Adairsville, Ga. Vending machine. 2,438,503, Mar. 30.
- Holt, Oscar E., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Gap seal for flaps. 2,444,293, June 29.
- Holt, Pliny G., U. S. Navy. Auxiliary control mechanism for automatic pilot. 2,437,256, Mar. 9.
- Holt, Ray G., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump with differential impeller control. 2,438,442, Mar. 23.
- Holt, Robert E. L., Jr., assignee: *See*—
Geier, Conrad W.
- Holt, Wendell R., Aberdeen, Md. Educational device. Re. 23,030, Aug. 24.
- Holt, William E., Oakland, Calif. Floor surfacing machine. 2,437,958, Mar. 16.
- Holterhoff, August, Weehauken, N. J. Producing moiré designs. 2,448,145, Aug. 31.
- Holthouse, Harry B., Jr., Chicago, Ill., assignor to Motorola, Inc. Control system. 2,433,846, Jan. 6.
- Holthouse, Harry B., Chicago, Ill., assignor to Motorola, Inc. Heating and ignition control system. 2,435,277, Feb. 3.
- Holthouse, Harry B., Chicago, Ill., assignor to Motorola, Inc. Portable liquid heater. 2,452,656, Nov. 2.
- Holton, Rollin C., Canton, Ohio. Cribbage board. 2,434,495, Jan. 13.
- Holtshulte, William F., Newark, and S. D. Philipps, Granville, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Apparatus for guiding and threading fibers. 2,457,777, Dec. 28.
- Holtz, Robert F.: *See*—
Lappin, Lester S., and Holtz.
- Holtzclaw, John B.: *See*—
Cooke, Henry H., and Holtzclaw.
- Holzcker, Richard, Lake Wales, Fla., assignor to Florida Frozen Fruits, Inc. Method for concentrating aqueous suspensions and solutions. 2,448,802, Sept. 7.
- Homan, Charles W., Jackson Heights, Long Island, assignor to S. C. Miller, New York, N. Y. Insulator material for neon sign electrode, method of making the same, and resultant article. 2,443,617, June 22.
- Homan, Charles W., Jackson Heights, Long Island, assignor to S. C. Miller, New York, N. Y. Making electrode spacer material and resultant article and electrode. 2,443,618, June 22.
- Home Curtain Corp., assignee: *See*—
Temko, Richard S., and Katz.
- Homelite Corporation, assignee: *See*—
Worth, Robert.
- Homer, John F., Newport, R. I. Oxygen tank cradle. 2,434,655, Jan. 20.
- Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.
- Homestead Valve Manufacturing Company, assignee: *See*—
Ofeldt, Frank W.
- Homeyer, August H.: *See*—
Wallingford, Vernon H., and Homeyer.
- Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 2-oxazolidone compounds and preparing the same. 2,437,388, Mar. 9.
- Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Oxazolidones and making the same. 2,437,389, Mar. 9.
- Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 2-oxazolidone compounds and preparing the same. 2,437,390, Mar. 9.
- Homeyer, August H., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. 1-alkoxy-4-hydroxy-2,3-dicarbaldoxy naphthalenes. 2,441,702, May 18.
- Homeyer, August H., Webster Groves, and J. S. Splitter, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of certain diarylacetonitriles. 2,443,246, June 15.
- Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of dimethyl urea. 2,444,023, June 29.
- Hommeren, Bertin G.: *See*—
Gronningsaeter, Anton, Martin, and Hommeren.
- Homon, Albert J., Chicopee, assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Method of making metal sponges. 2,450,280, Sept. 28.
- Homrighous, Charles H., Oak Park, Ill. Time division multiplex telephone system. 2,434,697, Jan. 20.
- Homrighous, John H., Oak Park, Ill. Electrical control for multiple heating units in tubes. 2,434,161, Jan. 6.
- Homrighous, John H., Oak Park, Ill. Time division multiplex telephone system. 2,434,698, Jan. 20.
- Homrighous, John H., Oak Park, Ill. Time division multiplex communication system. 2,437,027, Mar. 2.
- Homrighous, John H., Oak Park, Ill. Electrical control system. 2,439,735, Apr. 13.
- Homrighous, John H., Oak Park, Ill. Electron off and on relay tube. 2,442,565, June 1.
- Homrighous, John H., Oak Park, Ill. Synchronizing system. 2,454,651, Nov. 23.
- Honen, Carl J., assignor to The McKay Machine Company, Youngstown, Ohio. Multiple welding pressure roll assembly for electric weld tube mills. 2,452,303, Oct. 26.
- Honerkamp, Friedrich, and F. J. Kurth, assignors to Anemostat Corporation of America, New York, N. Y. Air flow control valve. 2,443,071, June 8.
- Honey, John P., Danville, Ill. Shield for dental lathes. 2,454,513, Nov. 23.
- Honig, Emanuel, assignee: *See*—
Frye, Frederick E. J., and Pollard.
Pearce, Harold.
Wright, George F., Richmond, and Downing.
Zschiegner, Herbert E.
- Honigman, Hans, East Cleveland, Ohio. Variable speed clutch pulley. 2,446,703, Aug. 10.
- Hood, Arthur J., Reno, Nev. Surgical cast cutter. 2,455,008, Nov. 30.
- Hood, Arthur J., Reno, Nev. Surgical cast shears. 2,455,009, Nov. 30.
- Hood, E. Elliott, Elmira, N. Y., assignor to Bendix Aviation Corporation. Vehicle brake. 2,445,616, July 20.
- Hood, George J., Lawrence, Kans. Dermatome. 2,435,278, Feb. 3.
- Hood, H. P., & Sons, Inc., assignee: *See*—
Symmes, Carleton R.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Fluorescent silicate glasses and making same. 2,440,048, Apr. 20.
- Hood, Ian A.: *See*—
Boadle, Ronald D., and Hood.
- Hood, James D.: *See*—
Rubidge, David W., Manning, Greene, and Hood.
- Hood, Ralph S., Danvers, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making pellets. 2,436,771, Feb. 24.
- Hoee, John M.: *See*—
Volgenau, Robert H., and Hoee.
- Hoof Products Company, assignee: *See*—
Jennings, Jarvis S.
- Hook, Edwin O.: *See*—
Dean, Russell T., and Hook.
- Hook, Melvin S., Gurnee, assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Spark plug cover. 2,446,007, July 27.
- Hook, Orville F., Pontiac, Mich. Boat hoist. 2,453,628, Nov. 9.
- Hooker, Donald E., and F. G. Nicolaus, assignors to R. T. Moloney, Chicago, Ill. Photoelectric device. 2,442,240, May 25.
- Hooker Electrochemical Company, assignee: *See*—
Gochenour, Carl I., and Kyker.
Kischitz, Alexander D., Gochenour, and Brailsford.
Loverde, Anthony.
Maude, Aylmer H.
Osborne, Sidney G.
Sconce, James S., and Johnson.
Stuart, Kenneth E.
- Hooker, Ralph J., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Rack fastening for free-piston units. 2,437,026, Mar. 2.
- Hooker, Ralph J., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Combustion chamber and gas collector arrangement for power plants. 2,441,194, May 11.
- Hooker, Ralph J., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel injection control for free-piston units. 2,441,195, May 11.

- Hoop, John G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-tight seal and terminal for electric furnaces. 2,438,008, Mar. 16.
- Hooper, Charles K.: *See—*
Lee, Reuben, and Hooper.
- Hooper, Hubert A., Brantford, Ontario, Canada. Food processing apparatus. 2,452,657, Nov. 2.
- Hooper, Lester B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making last shells. 2,447,070, Aug. 17.
- Hoopes, Penrose R., Philadelphia, Pa., assignor to Super Speed Press Corporation, Bridgeton, N. J. Effecting reciprocatory motion. 2,437,530, Mar. 9.
- Hoots, Paul F., New Orleans, La. Folding clothes rack for automobiles. 2,447,908, Aug. 24.
- Hooven, Frederick J., Dayton, Ohio. Electric system to control impedances. 2,448,885, Sept. 7.
- Hoover Ball and Bearing Company, assignee: *See—*
Pew, Thomas C.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treatment of liquid hydrocarbons. 2,455,061, Nov. 30.
- Hoover, Clair G., Akron, Ohio. Copy holder. 2,442,811, June 8.
- Hoover Company, The, assignee: *See—*
Acheson, Louis K.
Coons, Curtis C.
Gerber, Dale C.
Gross, Alfred G.
Rogers, Herbert M.
Schug, Howard L.
Smellie, Donald G.
Stahl, Maurice D.
Sutton, Otis B.
Troxler, Charles G., and Daiger.
White, Harry B.
- Hoover, Daniel S., Mansfield, Ohio. High lift loader. 2,441,070, May 4.
- Hoover, Fred W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixture of hydrolyzed ethylene-vinyl ester copolymer and N-substituted polyamide. 2,448,978, Sept. 7.
- Hoover, Melvin P.: *See—*
Berning, Theodore J., and Hoover.
- Hoover, Samuel R.: *See—*
Naghski, Joseph, White, and Hoover.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Cooling of electric machines. 2,447,339, Aug. 17.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Cooling system for electric motors and hydraulic pumps. 2,450,963, Oct. 12.
- Hoover, Walter S., South Newfane, Vt. Helicopter rotor control. 2,435,080, Jan. 27.
- Hopeman Bros., Inc., assignee: *See—*
Bohnsack, John A.
- Hopewell, Lester H., Brooklyn, N. Y. Head and socket separable safety fastener. 2,449,167, Sept. 14.
- Hopff, Heinrich, and W. Rapp, Ludwigshafen-on-Rhine, Germany: vested in the Attorney General of the United States. The production of β,β' -dicyano diethyl ether. 2,448,979, Sept. 7.
- Hopkins, Abner C., Jr., Hempstead, and R. M. Stephenson, Long Island City, N. Y., and W. E. Watson, West Orange, N. J., assignors to Allied Chemical & Dye Corporation. Manufacture of hydrogen fluoride. 2,456,509, Dec. 14.
- Hopkins, Alice B., Columbia, S. C. Adjustable dress for growing girls. 2,442,494, June 1.
- Hopkins, Cecil W.: *See—*
Harper, James G., and Hopkins.
- Hopkins, David W., Philadelphia, Pa. Valve. 2,443,036, June 8.
- Hopkins, Edwin, New York, N. Y. Transmission and reproduction of optical and acoustical effects. 2,451,734, Oct. 19.
- Hopkins, Heywood H., assignor to Surgical Specialties Corporation, Rochester, N. Y. Surgical device. 2,441,765, May 18.
- Hopkins, Mark C.: *See—*
Kirkbridge, Chalmers G., and Hopkins.
- Hopkins, Richard W., Troy, N. Y. Dispenser for tooth powder and the like. 2,456,873, Dec. 21.
- Hopkins, Robert C., Alliance, Ohio. Furnace burner arrangement. 2,435,395, Feb. 3.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Manufacture of composite metal articles. 2,437,782, Mar. 16.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Cooled electrode for metal heating. 2,441,416, May 11.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Apparatus for producing cast metal bodies. 2,445,670, July 20.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for electrically heating material. 2,446,929, Aug. 10.
- Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Electric furnace. 2,448,886, Sept. 7.
- Hopkins, Roy H., Alice, Tex. Screened pump. 2,439,468, Apr. 13.
- Hopkins, Thomas J., Fitchburg, Mass. Rack for milk bottles. 2,441,417, May 11.
- Hopkins, Werner B., and T. T. Oberg, Dayton, Ohio. Overload release flexible coupling. 2,449,555, Sept. 21.
- Hopkins, William W., Springfield, Mass. Dressing device for grinding wheels. 2,434,615, Jan. 13.
- Hopley, Horace E., Liverpool, England, assignor, by mesne assignments to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse generator. 2,444,044, June 29.
- Hoppe, Richard J. S., Maplewood, Mo. Clothes pole. 2,447,614, Aug. 24.
- Hoppe, William, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass. Paper feed for wrapping machines. 2,434,616, Jan. 13.
- Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Wrapping round cakes. 2,434,617, Jan. 13.
- Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Method of and machine for applying labels. 2,449,298, Sept. 14.
- Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Wrapper feed for wrapping machines. 2,451,287, Oct. 12.
- Hopper, Andrew L., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator of the shock-excited type. 2,443,619, June 22.
- Hopper, Dwight L.: *See—*
Colaiaico, August P., and Hopper.
- Hopper, Dwight L., Wilkinsburg, Pa., assignor, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Pump. 2,438,395, Mar. 23.
- Hopper, Stanley D., and E. H. H. Hassler, Stafford, assignors to The English Electric Company Limited, London, England. Electrical contacts. 2,449,479, Sept. 14.
- Hoppes, Robert G., Washington, C. H., Ohio. Helicopter. 2,445,354, July 20.
- Hoppes, Thomas O., Tamaqua, Pa. Combined tire chain applicator and mud lug. 2,445,947, July 27.
- Hopps, Bernard, and C. J. Smithells, assignors to Lodge Plugs Limited, Rugby, England. Electrical insulators and producing the same. 2,436,005, Feb. 17.
- Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Valve attaching device for liquid dispensers. 2,440,772, May 4.
- Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Milk delivery tube. 2,449,229, Sept. 14.
- Hopwood, John M., assignee: *See—*
Markson, Alfred A., and Donaldson.
- Horan, Timothy F., New Haven, Conn. Casting ree. 2,439,298, Apr. 6.
- Horberg, William, Bridgeport, Conn. Outboard work whipping inhibitor for centerless grinders. 2,440,402, Apr. 27.
- Hord, Guy, Marion, Ohio. Post and insulator for electric fences. 2,450,730, Oct. 5.
- Hord, Paul E., Tebbetts, Mo. Frame structure for ventilating fans. 2,448,671, Sept. 7.
- Horeczy, Joseph T.: *See—*
Wadley, Edward F., Horeczy.
- Horeczy, Joseph T., Cedar Bayou, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of vinyl acetylenes. 2,455,677, Dec. 7.
- Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing railway car axle and journal box assembly. 2,438,214, Mar. 23.
- Horlacher, Herman: *See—*
Wilder, Warren, and Horlacher.
- Horlick, Gordon: *See—*
Durant, Lyndon A., and Horlick.
- Horman, John H., Tuckahoe, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc. Relays with interlocking armatures. 2,441,633, May 18.
- Horman, John H., Tuckahoe, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc. Rotary operated reciprocating switch. 2,441,634, May 18.
- Hormes, William T., Catonsville, Md. Disappearing door structure. 2,450,593, Oct. 5.
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,438,284, Mar. 23.
- Horn, Harry L., New York, N. Y. Electrolytic apparatus for using bagasse to make paper pulp. 2,446,418, Aug. 3.
- Horn, Jacques E., New York, N. Y. Pad-mounting device for applying and distributing wax, oil, and other like material to floors and like surfaces. 2,438,338, Mar. 23.
- Horn, Merl E.: *See—*
Cuttino, William H., and Horn.
- Horn, William D., assignee: *See—*
Baldwin, Alan W.
- Hornbacher, Herbert G., and W. G. Bauman, assignors to The Dow Chemical Co., Midland, Mich. Stabilization of chlorinated ethylbenzene by basic anion exchange agents. 2,435,887, Feb. 10.
- Hornbarger, Earl H., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual-voltage motor control system. 2,445,434, July 20.
- Hornber, Charles V.: *See—*
Payne, John W., Hornberg, and Drew.

- Hornberg, Charles V.: *See*—
Crowley, John A., Jr., and Hornberg.
Evans, Louis P., Hornberg, and Ray.
- Hornbostel, John, Glen Ridge, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric motor system and controlling the same. 2,437,428, Mar. 9.
- Hornbostel, John, Glen Ridge, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Hygrometer and switch for radiosondes. 2,454,320, Nov. 23.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit Wis. Band guide. 2,439,251, Apr. 6.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Pressure gauge assembly. 2,440,718, May 4.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Suction press section for paper machines. 2,443,352, June 15.
- Hornbrook, Lester H., Jr., N. B. Wienke, and O. Cullman, assignors to Cullman Wheel Company, Chicago, Ill. Detachable sprocket wheel. 2,436,694, Feb. 24.
- Horne, Hal, New York, N. Y. Acoustic device. 2,439,736, Apr. 13.
- Horne, Hal, New York, N. Y. Musical instrument. 2,452,658, Nov. 2.
- Horner, Kenneth K., Chicago, and L. W. Hiltman, Palos Heights, assignors to S. Karpen & Bros., Chicago, Ill. Tilting cushion structure. 2,456,874, Dec. 21.
- Horner, Wilfred, and E. Wesselman, assignors, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Stage incubator for microscopes. 2,440,472, Apr. 27.
- Horney, Amos G.: *See*—
Vance, Robert M., and Horney.
- Hornfeck, Anthony J.: *See*—
Junkins, Raymond D., and Hornfeck.
- Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,437,603, Mar. 9.
- Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and controlling system. 2,439,891, Apr. 20.
- Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Temperature responsive measuring system. 2,447,338, Aug. 17.
- Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Measuring and control system. 2,457,558, Dec. 28.
- Hornflowa, Messrs., Limited, assignee: *See*—
Winter, Hugo A. M.
- Horni, Paul P., New York, N. Y. Electric heater for flowing fluid. 2,444,508, July 6.
- Hornkohl, Carl J., and F. H. Leslie, Chicago, Ill.; said Leslie assignor to said Hornkohl. Doughnut cooking art. 2,450,962, Oct. 12.
- Horowitz, Leon: *See*—
Gabar, Harry W., and Horowitz.
- Horowitz, Milton, assignor to Harwood Company, Farmingdale, N. J., a firm composed of M. G. Harwood and L. J. Harwood. Poultry blinder clip. 2,437,959, Mar. 16.
- Horowitz, Robert M.: *See*—
Morris, Rupert C., Horowitz, and Snider.
- Horr, John V., North Tarrytown, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Collapsible cardboard counter basket. 2,436,300, Feb. 17.
- Horrigan, John G., London, assignor of one-half to B. A. Pettitt, Stanmore, England. Stock feeding mechanism for lathes. 2,447,180, Aug. 17.
- Horsdal, Paul, Ottawa, Ontario, Canada. Steam and combustion gas turbine. 2,456,417, Dec. 14.
- Horsfield, Basil, Florence, Ala., assignor to Orefraction Incorporated, Pittsburgh, Pa. Apparatus for electrostatic separation of material particles. 2,456,279, Dec. 14.
- Horsley, Caperton B., Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass. Treatment by compression waves. 2,448,372, Aug. 31.
- Horsley, Caperton B., Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass. Acoustic chamber. 2,456,700, Dec. 21.
- Horst, E. Clemens, Company, assignee: *See*—
Horst, Emil E., Jr.
- Horst, Emil C., Jr., assignor to E. Clemens Horst Company, San Francisco, Calif. Hop picking machine. 2,447,122, Aug. 17.
- Horsting, William F., Wilmette, Ill. Shoe tree. 2,437,028, Mar. 2.
- Horth, William S., Cleveland Heights, Ohio. Electric welding apparatus. 2,453,438, Nov. 9.
- Horton, Alfred G., Jacksonville, Fla. Wheel aligning stand. 2,445,397, July 20.
- Horton, David L., Jr., assignor, by mesne assignments, to P. H. Davis, Jr., Erie, Pa. Vegetable peeler wherein the abrading surfaces are sprayed stainless steel. 2,442,600, June 1.
- Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Vacuum tank for storing liquids at high or low temperatures. 2,451,486, Oct. 19.
- Horton, Roger F., Hempstead, N. Y. Hydraulic motor with rotating radial cylinder block and reciprocated pistons reacting against outside annular grooved cam. 2,457,100, Dec. 21.
- Horton, Roger F., Hempstead, N. Y. Hydraulic pump. 2,457,101, Dec. 21.
- Horton, Winthrop S.: *See*—
Staley, Allen C., Borden, and Horton.
- Horvath, John F.: *See*—
Chamberlain, John W., and Horvath.
- Horvath, John W., Bronx, N. Y. Telescope attachment for firearms. 2,437,744, Mar. 16.
- Horvath, Steven, Detroit, assignor of one-half to J. Matosh, Dearborn, Mich. Tank inlet valve means. 2,442,927, June 8.
- Horwath, Theodore J., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Binding attachment for sewing machines. 2,450,663, Oct. 5.
- Horwitz, Benjamin, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Slit lens for sound reproduction apparatus. 2,443,004, June 8.
- Horwood, Howard J., New York, N. Y. Dry shaver. 2,451,831, Oct. 19.
- Hosbein, Louis H., Glencoe, Ill., and L. Ellman, Pittsburgh, Pa., assignors to M. H. Detrick Company, Chicago, Ill. Furnace arch or roof construction. 2,446,766, Aug. 10.
- Hoskin, Cedric A., Succasunna, N. J. Method and apparatus for reclaiming explosives. 2,444,045, June 29.
- Hosking, Charles W.: *See*—
Fuehrer, George H., and Hosking.
- Hosking, Oakley W., Monroe, N. Y., assignor to Composite Rubber Products Corporation, Bridgeport, Conn. Core pin for molding valve stems. 2,440,144, Apr. 20.
- Hosking, Richard T., Chicago, Ill. Lock nut. 2,452,192, Oct. 26.
- Hosmer, Frazier O., Birmingham, Ala. Pay roll record. 2,440,337, Apr. 27.
- Hospital Specialty Company, assignee: *See*—
Krusse, George A.
- Hossfeld, Albert, deceased, Winona, Minn.; The Merchants National Bank of Winona, administrator. Buffer spring device for drilling machines. 2,437,429, Mar. 9.
- Hostetter, John Y., Berwyn Heights, Md. Brick siding cutter. 2,440,773, May 4.
- Hostetter, Robert J., Los Angeles, assignor to The Garrett Corporation, Aircsearch Manufacturing Company Division, Inglewood, Calif. Lubricating system for internal combustion engines. 2,438,513, Feb. 24.
- Hotchkiss, James R., Short Hills, assignor to The Palnut Company, Irvington, N. J. Fastening device. 2,435,079, Jan. 27.
- Hotchkiss, Arch, Jr., and H. E. Haynes, San Diego, assignors to Reconstruction Finance Corporation, Los Angeles, Calif. Turret attachment for drill presses. 2,435,354, Feb. 3.
- Hotchkiss Realty Corporation, assignee: *See*—
Peterson, Roy E., and Larsen.
- Hotpoint Inc., assignee: *See*—
Andrews, John L.
Johnson, Harry R.
Rees, Gregory L.
Sharp, John C.
Vogel, Oliver G., and Kirk.
- Hottenroth, Frederick W., Jr., Schenectady, N. Y., assignor to General Electric Company. Thermal timing switch apparatus. 2,446,831, Aug. 10.
- Hotton, George R., assignee, et al.: *See*—
Birdsall, Robert E.
- Houchin, John P. W.: *See*—
White, Eric L. C., Harker, and Houchin.
- Houck, James P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lighting control system for airports. 2,449,480, Sept. 14.
- Houck, Jonathan I., Pottstown, Pa. Savings bank. 2,444,611, July 6.
- Houdaille-Hershey Corporation, assignee: *See*—
Johnson, Bernard C.
- Houdry Process Corporation, assignee: *See*—
Bates, John R.
Bond, George R., Jr.
Bond, George R., Jr., and Mills.
Houdry, Eugene J.
Milliken, Thomas H., Jr.
Milliken, Thomas H., Jr., and Welinsky.
Mills, George A.
Rose, Frank W., Jr.
Rose, Frank W., and Steuber.
Shabaker, Hubert A.
- Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treating hydrocarbons in presence of hot contact masses. 2,452,569, Nov. 2.
- Hough, Frank G., Co., The, assignee: *See*—
Beverstedt, Ralph L.
- Hough, Richard L., Brantford, Ontario, Canada. Stem and socket combination. 2,448,980, Sept. 7.
- Houghton, E. F., & Co., assignee: *See*—
Figdor, Hans G.
- Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wattmeter circuit. 2,449,072, Sept. 14.
- Houghton, Leroy: *See*—
Pozun, John L., and Houghton.
- Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.
Chatterjea, Prafulla, Kumar, and Houghton.
- Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic audio switch. 2,440,049, Apr. 20.

- Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse generator and modulator system. 2,441,418, May 11.
- Houk, Addison R.: *See*—
Herreshoff, Alexander G., and Houk.
- Houk, Alva L.: *See*—
Bock, Louis H., and Houk.
- Houldsworth, Robert, Brightmet, Bolton, England. Telescopic hydraulic jack. 2,438,285, Mar. 23.
- Houlton, Harold G., assignor to The Girdler Corporation, Louisville, Ky. Continuous process for the manufacture of synthetic resins. 2,456,192, Dec. 14.
- Haupt, Alfred G., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Separation of neutral fat from tall oil. 2,437,643, Mar. 9.
- House, Albert E., West Vancouver, British Columbia, Canada. Hinged joint. 2,440,823, May 4.
- House, Bryan E., and R. A. Goepfrich, assignors to Bendix Aviation Corporation, South Bend, Ind. Brake control valve for tractors. 2,442,601, June 1.
- House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Sealing means. 2,445,882, July 27.
- House, Norman K., assignor to Lasalco, Inc., St. Louis, Mo. Electroplating machine. 2,451,676, Oct. 19.
- House, Samuel G., Abilene, Tex. Sectional boat. 2,443,767, June 22.
- House, Samuel G., Abilene, Tex. Sectional boat. 2,443,768, June 22.
- House, William C., assignor to Lyon-Raymond Corporation, Greene, N. Y. Tongue actuated brake for hand trucks. 2,453,575, Nov. 9.
- House, William H., Houston, Tex. Removable steering and propulsion unit for shallow draft vessels. 2,446,229, Aug. 3.
- Houseman, George A., Phoenix, Ariz. Window latch. 2,452,377, Oct. 26.
- Houser, Herbert C., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Measuring instrument having an adjustable scale. 2,455,865, Dec. 7.
- Houser, Walter J., San Marcos, Calif. Pleating device. 2,454,176, Nov. 16.
- Houston, John M., Breckenridge, Tex. Brake shoe adjusting gauge. 2,450,196, Sept. 23.
- Houston, Victor E., and A. G. Ohladi, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of aluminum bromide. 2,439,737, Apr. 13.
- Houston, Willard G., Wadsworth, Ohio. Power control unit. 2,451,621, Oct. 19.
- Houtman, Thomas, Jr., assignor to The Dow Chemical Co., Midland, Mich. Light stable compositions comprising polymeric vinylidene chloride or vinyl chloride and certain 5-substituted 2-hydroxybenzophenones. 2,434,496, Jan. 13.
- Hovey, C. Earl, assignee, trustee: *See*—
Andrews, Boley A.
Bloomfield, Samuel.
Hansen, George H., Jr.
- Hovey, Roger S., Charleston, W. Va., and P. H. Carnell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of halogenated hydrocarbons containing fluorine. 2,439,299, Apr. 6.
- Howald, Werner, Zurich, Switzerland. Transmission mechanism. 2,439,003, Apr. 6.
- Howard, Donald J.: *See*—
Wardle, Meredith C., and Howard.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Closure means for laundry bags. 2,442,044, May 25.
- Howard, Frank L.: *See*—
Mosher, Hugh H., and Howard.
- Howard, George E., Butler, Pa. Speed regulator. Re. 23,010, June 29.
- Howard, Giles P. E., and A. Ivanoff, Luton, England. Centrifugal pump provided with diffuser. 2,450,143, Sept. 28.
- Howard, Herman G., Denver, Colo. Coupling device. 2,435,081, Jan. 27.
- Howard, Herman G., Denver, Colo. Collapsible auxiliary gunstock. 2,441,487, May 11.
- Howard, Herman R., Pomona, Calif. Model railway vehicle truck. 2,453,915, Nov. 16.
- Howard, Jack W., Brigham, Utah. Convertible skate. 2,454,321, Nov. 23.
- Howard, Jesse: *See*—
Nissenbaum, Moses D.
- Howard, John J., Philadelphia, and H. A. Heiligman, Norristown, assignors to E. J. Lavino and Company, Philadelphia, Pa. Treating oxide ores. 2,450,343, Sept. 28.
- Howard, Kenneth L.: *See*—
Poor, Edward N., and Howard.
- Howard, Lena: *See*—
Nissenbaum, Moses D.
- Howard, Michael, Davenport, Wash. Plowing mechanism. 2,440,174, Apr. 20.
- Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for producing filled bags. 2,457,237, Dec. 28.
- Howard, Styles T., Jeffersonville, Ind. Portable stove. 2,444,444, July 6.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Necktie holder. 2,454,177, Nov. 16.
- Howard, William B., La Jolla, Calif. Collapsible shopping cart. 2,437,029, Mar. 2.
- Howat, Philip Y. K., Washington, D. C. Apparatus for molding concrete walls. 2,451,951, Oct. 19.
- Howatt, Glenn N., U. S. Army, Metuchen, N. J. Injection molding ceramic bodies using thermoplastic binder. 2,434,271, Jan. 13.
- Howden, James, & Company Limited, assignee: *See*—
Lee, Leonard.
- Howe, Earl E., assignor, by mesne assignments, to Chicago Forging and Manufacturing Company, Chicago, Ill. Joint for tubes. 2,445,578, July 20.
- Howe, Earl L., Dayton, Ohio. Line stretcher. 2,451,389, Oct. 12.
- Howe, Eugene E.: *See*—
Snyder, Harold R., and Zambito.
- Howe & Fant, Inc., assignee: *See*—
Giannini, Gabriel M., and Manildi.
- Howe, Harold, Rowayton, Conn. Table structure. 2,440,859, May 4.
- Howe, Robert F., assignor to E. B. Kingman Co., Leominster, Mass. Knitting needle. 2,439,622, Apr. 13.
- Howell, Albert S., Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill. Bearing. 2,455,489, Dec. 7.
- Howell, Alleyne C., Jr., Dallas, Tex. Emergency wheel. 2,454,923, Nov. 30.
- Howell, Alun K., Neath, assignor to Power Jets (Research and Development) Ltd., London, England. Continuous combustion contraflow gas turbine. 2,441,488, May 11.
- Howell, Cleves H., Jr., Estes Park, Colo. Firearm and stock structure therefor. 2,435,217, Feb. 3.
- Howell, Clifton W., and G. L. Elderbaum, Erwin, N. C. Pick controlled stop motion for looms. 2,456,193, Dec. 14.
- Howell, Gordon W., Seattle, Wash. Bottle carrier. 2,454,178, Nov. 16.
- Howell, William C., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of polyalkyl benzenes. 2,443,247, June 15.
- Howells, Thomas G., Girard, Ohio. Support for vehicles. 2,439,623, Apr. 13.
- Hower, Bruce A., Gary, Ind. Arm adjuster. 2,443,681, June 22.
- Hower, Bruce A., Gary, Ind. Drain assister. 2,446,930, Aug. 10.
- Hower, Bruce A., Gary, Ind. Cadaver lifter. 2,449,898, Sept. 21.
- Hower, Frank L., Rawson, Ohio. Breath diverter face mask. 2,457,044, Dec. 21.
- Howerton, William W.: *See*—
Woodberry, David L., Howerton, and Dunbar.
- Hoves, Gordon T., Belmont, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube for high frequency. 2,451,557, Oct. 19.
- Howey, Cecil R.: *See*—
Gates, Charles W., and Howey.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,436,171, Feb. 17.
- Howison, Robert J., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Stamped chain connector. 2,450,592, Oct. 5.
- Howk, Benjamin W., Wilmington, Del., and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl fluoroacetates and polymers derived therefrom. 2,436,144, Feb. 17.
- Howk, Benjamin W., Wilmington, Del., and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha-methylene carboxylic acid fluoride polymers and their preparation. 2,440,090, Apr. 20.
- Howk, Benjamin W., Wilmington, and F. L. Johnston, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of methyl methacrylate. 2,450,000, Sept. 28.
- Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of fumaric acid. 2,454,385, Nov. 23.
- Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of fumaric acid. 2,454,386, Nov. 23.
- Howland, Louis H., Watertown, and W. F. Brucksch, Jr., Bethany, Conn., assignors to United States Rubber Company, New York, N. Y. Isomerization of maleic acid to fumaric acid. 2,454,387, Nov. 23.
- Howle, Ernest O., Chicago, Ill. Insulated chimney. 2,457,470, Dec. 28.
- Howle, Ernest O., Chicago, Ill. Chimney construction. 2,457,471, Dec. 28.
- Howse, Curtis L., Birmingham, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower construction. 2,442,045, May 25.
- Howser, Walter M., Indianapolis, Ind. Sealed driving bushing. 2,436,996, Mar. 2.
- Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Electrical load breaking device. 2,455,998, Dec. 14.
- Hoyer, Arnold, Conshohocken, Pa. assignor to Owens-Illinois Glass Company, Toledo, Ohio. Thermohyrometer. 2,455,010, Nov. 30.
- Hoyle, Egbert P., assignor to Cortland Line Company, Inc., Cortland, N. Y. Combined strand display and transfer reel. 2,438,805, Mar. 30.

- Hoyt, Harold M., assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle. 2,440,091, Apr. 20.
- Hoyt, Lawrence, Little Rock, Ark. Coin-receiving structure. 2,451,088, Oct. 12.
- Hoyt, Lester F., East Aurora, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of detergents. 2,438,169, Mar. 23.
- Hoza, John, Belcamp, Md. Attachment of rubber soles to uppers of shoes. 2,437,030, Mar. 2.
- Hrachovina, Lucy M., San Diego, Calif. Nonmetallic plastic garment support. 2,440,951, May 4.
- Hrdlicka, Edward J., Jr., Painesville, assignor to Hydraulic Equipment Company, Cleveland, Ohio. Control system for multiple hydraulic hoists. 2,445,781, July 27.
- Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Pump, vane type. 2,435,279, Feb. 3.
- Hubbard, Albert B., Caldwell, N. J., assignor to General Electric Company. Refrigerating system. 2,453,131, Nov. 9.
- Hubbard, Albert B., Caldwell, N. J., assignor to General Electric Company. Refrigeration control system. 2,453,439, Nov. 9.
- Hubbard, Beverly R., Melrose, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Compressional wave transmitting and receiving device. 2,452,570, Nov. 2.
- Hubbard and Company, assignee: *See*—
Ackerman, Harold S.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Tool for applying fuse links to fused cutouts. 2,438,121, Mar. 23.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Storm attachment for high line tools. 2,438,504, Mar. 30.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Tool for applying armor rods to energized conductors. 2,455,490, Dec. 7.
- Hubbard, Francis A.: *See*—
Bascom, Henry M., and Hubbard.
- Hubbard, Genevieve M., executrix: *See*—
Bascom, Henry, and Hubbard.
- Hubbard, Harriette E., assignee: *See*—
Hubbard, Irvin R.
- Hubbard, Irvin R., Beaver Dam, Wis., assignor, by decree of court, to H. E. Hubbard. Fish lure. 2,449,700, Sept. 21.
- Hubbard, John W., New York, N. Y., assignor to Alaska Pacific Salmon Company, Seattle, Wash. Heat treating materials. 2,443,620, June 22.
- Hubbard, Joseph M.: *See*—
Whitehurst, Graham, Slater, Bruno, Hubbard, and Krawitz.
- Hubbell, Dean S., Sharpsburg, assignor to H. H. Robertson Company, Pittsburgh, Pa. Sorel cement. 2,450,513, Oct. 5.
- Hubbell, George T., New Haven, assignor to American Crucible Co., Shelton, Conn. Furnace lining. 2,438,559, Mar. 30.
- Hubbell, Harvey, Long Hill, Conn. Plug receptacle. 2,455,930, Dec. 14.
- Hubbell, Harvey, Long Hill, Conn. Sealed switch. 2,457,153, Dec. 28.
- Hubbert, Robert, Grosse Pointe, Mich. Adjustable shoe tree. 2,448,431, Aug. 31.
- Hubea, Hendrik Pieter: *See*—
Van den Berge, Henrik J., and Hubea.
- Huber, Eugene J., New Orleans, La. Toothbrush sterilizing tubes. 2,443,769, June 22.
- Huber, George H., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater for pulse communication system. 2,457,559, Dec. 28.
- Huber, Gustav, assignor to Kangol Wear Limited, Cleator, England. Flat single bed knitting machine. 2,439,300, Apr. 6.
- Huber, Gustav, assignor to Kangol Wear Limited, Cleator, England. Patterning mechanism of flat single bed knitting machines. 2,453,629, Nov. 9.
- Huber, J. M., Corporation, assignee: *See*—
McConahey, Theodore D., and Redell.
Voet, Andries.
Williams, Ira, and Carlton.
Williams, Ira, and Selfridge.
- Huber, J. M., Incorporated: *See*—
Voet, Andries.
- Huber, John E., Cincinnati, Ohio, assignor to Illinois Watch Case Co., Elgin, Ill. Film retainer. 2,438,286, Mar. 23.
- Huber, John R., Williamsfield, Ill. Fence post driving device. 2,435,651, Feb. 10.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Antifriction bearing. 2,440,444, Apr. 27.
- Huber, Omar A., Oroville, Calif. Gripping device for bed clothing. 2,435,082, Jan. 27.
- Huber, Robert, assignor of nine-tenths to R. P. Pescara, Paris, France, and one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A. Geneva, Switzerland. Fuel injection device. 2,449,382, Sept. 14.
- Huber, Robert, Paris, France, assignor to R. P. Pescara, Lisboa, Portugal. Free piston engine compressed air accumulator, variable volume. 2,452,193, Oct. 26.
- Huber, Robert, Paris, France, assignor to R. P. Pescara, Lisboa, Portugal. Free piston machine. 2,452,194, Oct. 26.
- Huber, Walter, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of unsaturated compounds. 2,451,741, Oct. 19.
- Huber, Wolfgang: *See*—
Brasch, Arno, and Huber.
- Hubert, Gordon L.: *See*—
Bredice, Pasquale M.
- Hühner, Oluf, Klampenborg, near Copenhagen, assignor to H. Lundbeck & Co., Kemisk Pharmaceutisk Laboratorium A/S, Copenhagen, Denmark. Production of easily soluble chemotherapeutics of the sulphanilamide group. 2,442,602, June 1.
- Hühner, Oluf, Klampenborg, near Copenhagen, assignor to H. Lundbeck & Co., Kemisk Pharmaceutisk Laboratorium A/S Copenhagen, Denmark. Producing benzol-sulfonamido-1,3,4-thiodiazole compounds. 2,447,702, Aug. 24.
- Huck, Alfred J., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Heating blanket or the like and fabricating same. 2,439,892, Apr. 20.
- Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing press compensator. 2,453,982, Nov. 16.
- Huckleberry, Harry M., Rodgers Forge, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Capacitor. 2,448,887, Sept. 7.
- Hudash, Bruno J., Chicago, Ill. Article holder. 2,436,044, Feb. 17.
- Hudkins, Clyde, Moundsville, W. Va. Extensible anchor post. 2,454,179, Nov. 16.
- Hudson, Charles J., Detroit, Mich. Cable reel. 2,452,378, Oct. 26.
- Hudson County National Bank, executor: *See*—
Rose, William H.
- Hudson, Edwin B., Middletown, Ohio. Rotary shaft construction. 2,437,820, Mar. 16.
- Hudson, Esther N., Denver, Colo. Bib apron. 2,442,293, May 25.
- Hudson, James L., Detroit, Mich. Liquid carbonator. 2,441,419, May 11.
- Hudson, Monie S., Spartanburg, S. C. Apparatus and method for drying wood. 2,435,218, Feb. 3.
- Hudson, Monie S., Spartanburg, S. C. Dehydrating and impregnating wood. 2,435,219, Feb. 3.
- Hudson, Perry D., Corpus Christi, Tex. Power lift material weighing machine. 2,450,281, Sept. 28.
- Hudson, Thomas B., and J. D. Upham, assignors to Phillips Petroleum Company, Bartlesville, Okla. Isomerization of hydrocarbons. 2,439,301, Apr. 6.
- Hudson, William J., Milwaukee, Wis. Pressure measuring apparatus. 2,439,342, Apr. 6.
- Hueber, Carl J.: *See*—
Gruver, John H., and Hueber.
- Hueber, Carl J., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,456,943, Dec. 21.
- Huebner, Ernest W.: *See*—
Dahl, Harry, and Huebner.
- Huebner, Ernest W., assignor to Weiger Weed & Company, Detroit, Mich. Welding electrode holder. 2,453,320, Nov. 9.
- Huebner, William C., New York, N. Y. Static eliminating means. 2,445,271, July 13.
- Huebner, William C., New York, N. Y. Apparatus for coating cylindrical surfaces. 2,446,476, Aug. 3.
- Huebner, William C., New York, N. Y. Method of and means for printing multicolor images by electric discharge. 2,451,288, Oct. 12.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Socket for snap fasteners. 2,440,684, May 4.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Socket for snap fasteners. 2,440,685, May 4.
- Huelster, Otto J., Waterbury, assignor to Scovill Manufacturing Company, New Haven, Conn. One-way detachable snap fastener. 2,441,573, May 18.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button staple. 2,451,487, Oct. 19.
- Huette, Lyle R., Fairbury, Ill. Electric fence insulator. 2,447,251, Aug. 17.
- Huetten, Clarence: *See*—
Aust, Robert J., and Huetten.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric vibratory interrupter. 2,440,145, Apr. 20.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,442,270, May 25.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,443,637, June 8.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator system. 2,445,398, July 20.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator and circuit therefor. 2,455,253, Nov. 30.
- Huey, Homer D., Baltimore, and G. F. Towner, Joppa, assignors to The Glenn L. Martin Company, Baltimore, Md. Gun turret. 2,445,852, July 27.

- Huey, Homer D., Baltimore, and G. F. Towner, Raspeburg, assignors to The Glenn L. Martin Company, Middle River, Md. Spent ammunition chute for gun turrets. 2,445,853, July 27.
- Huey, Virginia M., Cleveland, Ohio. Laundry cart. 2,436,647, Feb. 24.
- Huey, William G., Nassau, and W. G. Drautz, Glenmont, assignors to General Niline & Film Corporation, New York, N. Y. Pigment green and producing the same. 2,454,453, Nov. 23.
- Huff, Curtis E., and J. H. Clynych, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Drying oil-neoprene resins. 2,442,085, May 25.
- Huff, Curtis E., and J. H. Clynych, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Drying oil-(butadiene-styrene) resins. 2,442,086, May 25.
- Huff, Harold I., Los Angeles, Calif. Carbon alignment device for arc lamps. 2,450,477, Oct. 5.
- Huff, Ralph H., Los Angeles, Calif. Refining unsaturated acids and esters. 2,434,699, Jan. 20.
- Huff, Victor C., Bloomfield, N. J. Sealing tongs. 2,441,817, May 18.
- Hufford, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Self-adjusting tappet. 2,442,566, June 1.
- Hufford, George H., Shaker Heights, and G. O. R. Lindgren, Willoughby, assignors to The Weatherhead Company, Cleveland, Ohio. Valve. 2,449,481, Sept. 14.
- Hufford, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Reversible pump controlled hydraulic cylinder system. 2,449,482, Sept. 14.
- Hufford, George H., Shaker Heights, and N. C. Berli, Mayfield Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Drain cock. 2,453,792, Nov. 16.
- Hufford, George H., and G. O. R. Lindgren, assignors to The Weatherhead Company, Cleveland, Ohio. Packless globe valve. 2,457,472, Dec. 28.
- Huffman, Hal C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic treatment of hydrocarbons. 2,437,531, Mar. 9.
- Huffman, Hal C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic reforming of hydrocarbons. 2,437,532, Mar. 9.
- Huffman, Hal C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Catalysts. 2,437,533, Mar. 9.
- Huffman, Harry W., Toledo, Ill. Concrete mixer. 2,447,071, Aug. 17.
- Huffman, James O., Los Angeles, Calif. Trowelling machine. 2,434,408, Jan. 13.
- Huffman, Max O.: *See*—
Ricketts, Denton T., Huffman and Schmunk.
- Hufford, Lewis C., Manhattan Beach, Calif. Decoy. 2,437,604, Mar. 9.
- Huge, Ernest C.: *See*—
Harter, Isaac, Wilson, and Huge.
Fletcher, James, and Huge.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Magnetic frequency changer. 2,437,093, Mar. 2.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Telephone circuit. 2,452,239, Oct. 26.
- Hughes, Albert E., East Providence, R. I. Lead burning. 2,456,194, Dec. 14.
- Hughes, Arthur L., assignee: *See*—
McCain, Henry C.
- Hughes, Burton S., assignor to Zarembo Company, Buffalo, N. Y. Centrifugal separator. 2,452,465, Oct. 26.
- Hughes-Caley, George F., assignor, by mesne assignments, to General Register Corporation, New York, N. Y. Bearing. 2,442,202, May 25.
- Hughes, Curtis, Forest, Tex. Automobile tire. 2,448,313, Aug. 31.
- Hughes, David: *See*—
Gage, Gordon, and Hughes.
- Hughes, Edward H., assignor to Exhibit Supply Company, Chicago, Ill. Step-up mechanism. 2,452,030, Oct. 26.
- Hughes, Everett C.: *See*—
Burk, Robert E., and Hughes.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Volatile fluoride recovery. 2,440,542, Apr. 27.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Recovery of catalyst from mixtures of hydrocarbons therewith in the liquid phase. 2,440,543, Apr. 27.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making n-methyl aniline. 2,455,931, Dec. 14.
- Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Making aryl amines. 2,455,932, Dec. 14.
- Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,708, Nov. 16.
- Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,709, Nov. 16.
- Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Grinding oil composition. 2,453,710, Nov. 16.
- Hughes, Frank C., trustee, assignee: *See*—
Boughton, Willis A., Dawes, and Mansfield.
- Hughes, George W., assignor to The Sheffield Corporation, Dayton, Ohio. Screw-thread gauging device. 2,443,858, June 22.
- Hughes, Henry, & Son Limited, assignee: *See*—
Holmes, Edward L.
Reilly, Hugh L., Scrimshaw, and Bone.
Sproule, Donald Orr.
- Hughes, John T., Chicago, Ill. Fender structure. 2,437,960, Mar. 16.
- Hughes, John W., Dallas, Tex. Hose coupling. 2,438,750, Mar. 30.
- Hughes, Joseph A.: *See*—
Earley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
- Hughes, Joseph W., Southgate, London, England. Tee for golf balls. 2,440,473, Apr. 27.
- Hughes, Lafayette M., assignee: *See*—
Herbold, Robert J.
- Hughes, Leigh E., Indianapolis, Ind. Hydraulic pulsator system and make-up means therefor. 2,437,821, Mar. 16.
- Hughes, Malvern E., San Jose, assignor to Shell Development Company, San Francisco, Calif. Polymer pigmentation. 2,433,992, Jan. 6.
- Hughes, Marion D., Wilmot, Ark. Rail fastener. 2,454,454, Nov. 23.
- Hughes, Tek, Inc., assignee: *See*—
Johnson, Albin.
- Hughes Tool Company, assignee: *See*—
Boehm, Milos E.
Holmes, Robert E.
Scott, Floyd L.
Slate, Claude C.
- Hughes, Walter J., assignor to Inflico Incorporated, Chicago, Ill. Flow controller reset. 2,451,029, Oct. 12.
- Hughes, Walter L., Jr., Boston, Mass., assignor to the United States of America, as represented by the Secretary of War. Crystallization of albumin and the preparation of protein products therefrom. 2,433,905, Jan. 6.
- Hughey, George B.: *See*—
Adams, Daniel O., and Hughey.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Gas heating torch. 2,438,170, Mar. 23.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Thermochemically cutting metals. 2,448,098, Aug. 31.
- Hughey, Reo M., Mount Morris, Mich. Automatically adjustable speed power transmission. 2,443,038, June 8.
- Hugin, Adolph C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,453,509, Nov. 9.
- Hugon, Jean J.: *See*—
Elie, Maurice, Gutton, Hugon, and Ponte.
- Huguley, William C., Belleville, N. J. Adjustable-electrode arc welding torch. 2,438,701, Mar. 30.
- Huhle, Alwin P., Elmont, N. Y. Automobile jack. 2,449,850, Sept. 21.
- Hull, Harry E., Los Angeles, Calif., assignor to Velva-Sole Corporation, Chicago, Ill. Orthopaedic appliance. 2,440,273, Apr. 27.
- Hulbert, George J., Seattle, Wash. Material handling device. 2,442,413, June 1.
- Huldt, Kristoffer A., Stockholm, Sweden. Car wheel axle. 2,446,592, Aug. 10.
- Huldt, Kristoffer A., Stockholm, Sweden. Car wheel assembly. 2,452,659, Nov. 2.
- Hull, Denison B., Winnetka, and L. E. Medlin, Evanston, Ill. Electrical connector. 2,434,211, Jan. 6.
- Hull, Elizabeth H.: *See*—
Vanderscheer, James, and Hull.
- Hull, Henry E.: *See*—
Hartley, Emmett C., and Hull.
- Hull, Henry E., and E. C. Hartley, assignors to The Parker Appliance Company, Cleveland, Ohio. Beading or flaring machine which varies off-center position of tool. 2,442,495, June 1.
- Hull, Howard L., Anderson, Ind. Tire pressure alarm switch. 2,451,166, Oct. 12.
- Hull, John B.: *See*—
Campbell, James A., Hull, and Stevens.
- Hull, Leonard J., assignee: *See*—
Larter, Raymond B.
- Hull, Robert E.: *See*—
Garbuny, Max, and Hull.
- Hull-Ryde, Arthur, assignee, et al.: *See*—
Groves, Martin V.
- Hullinger, Carl D., Northport, N. Y., assignor, by mesne assignments, to Darworth, Inc., Simsbury, Conn. Cord treating device. 2,446,419, Aug. 3.
- Hulman, Julius, Dayton, Ohio. Fluid system automatic vent valve. 2,442,361, June 1.
- Hulsberg, Herbert A., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Flow measuring device. 2,446,283, Aug. 3.
- Hulsebus, Bernhard L., Pasadena, Calif., assignor to E. B. Hulsebus, Peoria, Ill. Weed extractor. 2,451,952, Oct. 19.
- Hulsebus, Everett B., assignee: *See*—
Hulsebus, Bernhard L.

- Hulshizer, Arthur L.: *See*—
Burrell, George G., and Hulshizer.
- Hulsmann, Edward C., Chicago, Ill. Pastry slicing guide with pivoted guide. 2,434,566, Jan. 13.
- Hulst, George D., Jr.: *See*—
Mountjoy, Garrard, Hulst, and Schoenfeld.
- Hulton, Charles S., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Pneumatic canopy. 2,438,606, Mar. 30.
- Hultquist, Martin E.: *See*—
Hall, George E., Jr., Hultquist, and Dhein.
- Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of benzotetronic acid. 2,439,302, Apr. 6.
- Hultquist, Martin E., Bound Brook, N. Y., assignor to American Cyanamid Company, New York, N. Y. Preparation of 3-substituted benzotetronic acid and salts thereof. 2,449,038, Sept. 7.
- Hultquist, Martin E., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-amino-5-chloropyrimidine. 2,436,360, Feb. 17.
- Hultquist, Martin E., Bound Brook, and P. F. Dreisbach, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing pterins. 2,443,165, June 8.
- Hultquist, Martin E., and E. H. Northey, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. N'-dodecanoylsulfanilamides. 2,456,051, Dec. 14.
- Humeston, Frederick L., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Buffer device for firearms. 2,456,280, Dec. 14.
- Humfeld, Harry: *See*—
Fraenkel-Conrat, Heinz L., Humfeld, Lewis, Dimick, and Olcott.
- Humlegard, Karl G., Washington, D. C., Ski binding. 2,450,514, Oct. 5.
- Humm, Harold J., Beaufort, assignor to Duke University, Incorporated, Durham, N. C. Extracting gelose from seaweeds such as hynea musciformis and other species of the genus hynea. 2,446,091, July 27.
- Hummel & Downing Company, assignee: *See*—
Wenzel, Frederick W.
- Humphrey, Carl, assignee, et al.: *See*—
Daellenbach, Raymond E.
- Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Purifying modified rosin. 2,434,656, Jan. 20.
- Humphrey, Stanley M., assignor to Taylor-Winfield Corporation, Warren, Ohio. Welding apparatus. 2,436,863, Mar. 2.
- Humphreys, Marion W., assignor to Euclid Production Development Corp., Euclid, Ohio. Hydraulic jack. 2,451,390, Oct. 12.
- Humphries, Arthur J., Harrogate, England, assignor to International Standard Electric Corporation, New York, N. Y. Cross connection strip as used in telephone and like systems. 2,450,001, Sept. 28.
- Hundere, Alf: *See*—
Eldredge, Kenneth R., Hundere, and MacPherson.
- Hungate, William, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Snap acting mechanism adapted for operating valves of steam engines. 2,453,844, Nov. 16.
- Huning, Ruth, Cleveland, Ohio. System of threading needles. 2,448,432, Aug. 31.
- Hunt, A. H., Limited, assignee: *See*—
Grouse, Richard A.
- Hunt, Arthur L., Nottingham, assignor to George Edwards & Sons, Limited, Somercotes, Derbyshire, England. Circular knitted stocking. 2,437,195, Mar. 2.
- Hunt, Everett M., Portsmouth, N. H. Forming and shearing device. 2,436,806, Mar. 2.
- Hunt, Floyd E., St. Petersburg, Fla. Wall construction. 2,451,220, Oct. 12.
- Hunt, Melville M.: *See*—
Strauss, Alfred, Feltman, Hunt, and Harbaugh.
- Hunt, Raymond S., Mount Pleasant, Mich. Water detector for oil wells. 2,439,542, Apr. 13.
- Hunt, Richard H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal resin compositions. 2,456,413, Dec. 14.
- Hunt, Richard O., Altadena, Calif. Shelf. 2,438,505, Mar. 30.
- Hunt, Robert A.: *See*—
Tollefsen, Reidar A., and Hunt.
- Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,438,702, Mar. 30.
- Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,442,046, May 25.
- Hunt, Scott F., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,450,831, Oct. 5.
- Hunt, William H., Bridgeport, Conn. Clamp for attaching articles to the tops of automobiles. 2,450,090, Sept. 28.
- Hunter, Charles H. S., Trona, Calif. Removable bracket. 2,457,373, Dec. 28.
- Hunter, Charles R., Camden, N. J. Threshold seal and locking device. 2,434,042, Jan. 6.
- Hunter, Edgar H., Cambridge, Mass. Furniture. 2,444,991, July 13.
- Hunter, Edward, and R. B. Richards, Northwich, England, assignors to Imperial Chemical Industries Limited. Fractionation of polymeric ethylene. 2,457,238, Dec. 28.
- Hunter, Frank B., Roscoe, assignor to C. A. Miketta, Beverly Hills, Calif. Relief valve. 2,440,608, Apr. 27.
- Hunter, Frank B., Roscoe, assignor to Casimir A. Miketta, Beverly Hills, Calif. Hydraulic cylinder construction. 2,451,089, Oct. 12.
- Hunter, Frederick L., Lake Bluff, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Making hydrochloric acid. 2,436,432, Feb. 24.
- Hunter, Henry M., assignee: *See*—
Dickey, George D.
- Hunter, Jack G., assignee: *See*—
Reitsma, Henry.
- Hunter, James F., Tulsa, Okla. Nasal sprayer. 2,448,803, Sept. 7.
- Hunter, James H., Bridgeport, Conn., assignor to Columbia Records Inc. Phonograph record. 2,457,154, Dec. 28.
- Hunter, James, Machine Company, The, assignee: *See*—
Morrill, Frank B.
- Hunter Pressed Steel Company, assignee: *See*—
Clarke, Philip C.
- Hunter, Ralph W., Jacksonville, Fla. Method and apparatus for aligning machinery. 2,436,892, Mar. 2.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Adjustable cable guided member for limit stop weights. 2,439,738, Apr. 13.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control of alternating current motors. 2,455,491, Dec. 7.
- Hunter, Robert L.: *See*—
Seymour, George W., Ward, and Hunter.
- Hunter, Rutherford H., Wooster, Ohio. Temperature control system. 2,437,468, Mar. 9.
- Hunter, Theodore A., Iowa City, Iowa, assignor to Collins Radio Company. Temperature compensation means for fixed reactances in tunable circuits. 2,430,809, Apr. 20.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Brake or the like frictionally engageable structure. 2,449,383, Sept. 14.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Covering for preventing ice formation on aircraft. 2,454,874, Nov. 30.
- Huntington, Fred W., Alameda, Calif. Abrasive material for polishing. 2,440,656, Apr. 27.
- Huntington, Frederick T., Oroville, Calif. Die for swedging bullets. 2,451,488, Oct. 19.
- Huntley, Ernest A.: *See*—
Wolf, Harry J. D., and Huntley.
- Huntley Manufacturing Company, assignee: *See*—
Paul, Frederick J.
- Hunziker, Fred, assignor to The Weatherhead Company, Cleveland, Ohio. Tool for beading or expanding metallic tube ends. 2,447,909, Aug. 24.
- Hupke, Walter F., New York, and A. L. Sodergreen, Great Neck, assignors to West Disinfecting Company, Long Island City, N. Y. Skin protective ointment. 2,435,005, Jan. 27.
- Hurayt, E. Paul: *See*—
Mayner, Thomas S., and Hurayt.
- Hurban, Thomas, Jr.: *See*—
Hall, Maynard G., and Hurban, Jr.
- Hurd Corporation, assignee: *See*—
Zahm, George G.
- Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of organoboron compounds. 2,446,008, July 27.
- Hurd, Fraser A., Liverpool, N. Y. Machine tool. 2,450,964, Oct. 12.
- Hurd, George K., Toronto, Ontario, Canada. Hook attachment for ladders. 2,439,430, Apr. 13.
- Hurd, George K., Toronto, Ontario, Canada. Hook attachment for ladders. 2,448,716, Sept. 7.
- Hurd, Loren C., Jenkintown, A. J. Vander Weyden, and J. D. Stroupe, assignors to Rohm & Haas Company, Philadelphia, Pa. Zirconia opacifiers and method of making. 2,455,123, Nov. 30.
- Hurdis, Everett C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. 2,449,299, Sept. 14.
- Hurdis, Everett C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. 2,450,552, Oct. 5.
- Hurlbut, Gordon K.: *See*—
Ward, Vincent S., and Hurlbut.
- Hurley, Earl H., Emporium, assignor of thirty percent to J. J. Lynch, St. Marys, Pa. Motion picture film strip unwinding apparatus. 2,443,248, June 15.
- Hurley, Frank H.: *See*—
Wier, Thomas P., Jr., and Hurley.
- Hurley, Frank H., Portland, Oreg., assignor to The William Marsh Rice Institute for the Advancement of Literature, Science and Art. Electrodeposition of aluminum. 2,446,331, Aug. 3.
- Hurley, Ralph L., Xenia, Ohio. Storage container for electric irons. 2,439,004, Apr. 6.

- Hurley, Roy T., Westport, Conn., assignor to Bendix Aviation Corporation, South Bend, Ind. Making projectiles. 2,440,952, May 4.
- Hurley, Samuel C., Jr., Danville, Ill. Sizing bridge. 2,446,046, July 27.
- Hursey, Willis E., Oak Park, and G. Strunk, Glenellyn, Ill., assignors to Seeger-Sunbeam Corporation, St. Paul, Minn. Refrigerator mullion construction for preventing condensation. 2,449,384, Sept. 14.
- Hurst, Basil L., Clarendon, Tex. Landing position indicator for aircraft. 2,447,910, Aug. 24.
- Hurst, Edmund E., assignee: *See*—
Goff, Francis L.
- Hurst, Edmund E., and J. W. Paxton, assignors of one-third to F. L. Goff, Bloomington, Ill. Drafting equipment. 2,454,388, Nov. 23.
- Hurst, Edward, West Newton, assignor to United Cotton Products Company, Fall River, Mass. Laminated abrasive wheel. 2,440,686, May 4.
- Hurst, George L., assignor of one-half to A. Bauer, and one-half to E. Thompson, San Francisco, Calif. Barrel washer. 2,454,924, Nov. 30.
- Hurst, Gilchrist L., South Weymouth, Mass. Apparatus for loading, stowing and unloading vessels. 2,448,373, Aug. 31.
- Hurst, Ira N.: *See*—
Hansen, William L., and Hurst.
- Hurst, William M., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tuning control mechanism. 2,457,374, Dec. 28.
- Hurt, Joel, Village of North Bay Island, Fla. Retaining sea wall. 2,439,606, Apr. 13.
- Hurt, John A., Carterville, Mo. Chimney cap. 2,452,240, Oct. 26.
- Hurt, Hansford D., Los Angeles, Calif. Headgear for optical devices. 2,445,355, July 20.
- Hurt, Hansford D., Pasadena, Calif. Fluid controlled feathering means for propellers. 2,456,510, Dec. 14.
- Hurxthal, Alpheus O.: *See*—
Leithmann, Warren J., Jr., and Hurxthal.
- Hurxthal, Alpheus O., Wyncote, assignor to Procter & Schwartz, Inc., Philadelphia, Pa. Expanding sleeve for loop drier girts. 2,436,719, Feb. 24.
- Huse, Hiram N., Providence, R. I. Ball winding machine. 2,456,944, Dec. 21.
- Husek, Helen P., Allston, assignor to Polaroid Corporation, Cambridge, Mass. Color photographic process. 2,444,567, July 6.
- Huske, William O., assignee: *See*—
Coleman, George L.
- Husman, Chester N.: *See*—
Lindquist, Arthur W., Husman, and Schroeder.
- Hussey, Chester L., Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Cone bearing adjustment for gear-driven coaster brake. 2,452,660, Nov. 2.
- Hussey, Luther W., Madison, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Pulse generator. 2,439,389, Apr. 13.
- Husman, Carl, Chicago, Ill. Vibration absorbing mounting. 2,439,739, Apr. 13.
- Hussmann Refrigerator Co., assignee: *See*—
Davis, Russell E.
Davis, Russell E., and Weber.
Morgan, Herbert W.
- Husted, George E., San Francisco, Calif. Film clamp. 2,433,906, Jan. 6.
- Husted, Harry F., Shavertown, Pa. Auxiliary tub attachment for washing machines. 2,439,469, Apr. 13.
- Huston, Frank G.: *See*—
Huston, Victor J. and F. G.
- Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Burner pot and air supply means therefor. 2,435,220, Feb. 3.
- Huston, Victor J. and F. G., Muskegon, Mich. Hydraulic scale. 2,452,124, Oct. 26.
- Huston, William M., Lima, Ohio. Gantry structure. 2,416,199, Apr. 20.
- Huston, William M., Lima, Ohio. Load handling equipment. 2,445,116, July 13.
- Hutchenreuther, Charles O.: *See*—
Pelton, Earl L., and Hutchenreuther.
- Hutcheson, John A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modulation system. 2,445,618, July 20.
- Hutchings, Brian L., Montvale, N. J., assignor to American Cyanamid Company, New York, N. Y. Purification of pteric acid amides. 2,457,375, Dec. 28.
- Hutchings, Herschel, Lubbock, Tex. Power plant and transmission arrangement for agricultural tractors. 2,453,069, Nov. 2.
- Hutchins, Hugh A., Arcadia, Calif. Vehicle frame joint. 2,452,758, Nov. 2.
- Hutchinson, Emerson J., Los Angeles, Calif. Doughnut maker. 2,447,182, Aug. 17.
- Hutchinson, George W., Raleigh, N. C. Roller. 2,440,585, Apr. 27.
- Hutchinson, Harry M., assignor to C. H. Masland & Sons, Carlisle, Pa. Hunting and fishing garment. 2,448,804, Sept. 7.
- Hutchinson, Job, Great Neck, N. Y. Changeable exhibitor having a series of rollers with webs. 2,439,932, Apr. 20.
- Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Work gauging device for bore grinding machines. 2,437,783, Mar. 16.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Combined carrying case and projection unit. 2,450,757, Oct. 5.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Built-in flash synchronizer for shutter blade and cover blind type shutters. 2,453,321, Nov. 9.
- Hutchison, William M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pantograph and motor control system. 2,436,301, Feb. 17.
- Hutchison, William M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,456,875, Dec. 21.
- Huth, Herman G.: *See*—
LeTourneau, Robert G., Graham, and Huth.
- Huthsing, Leo B., Los Angeles, Calif. Automatic control means for machine tools. 2,444,228, June 29.
- Hutter, William H., Chicago, Ill. Wedged needle type phonograph pickup. 2,451,221, Oct. 12.
- Hutter, William H., Wheaton, Ill. Phonograph needle. 2,452,304, Oct. 26.
- Huttner, Daniel, and R. S. Kramer, Chicago, Ill.; said Kramer assignor to said Huttner. Pillow filling machine with suction creating means. 2,437,196, Mar. 2.
- Hutto, Marsden C., assignor to Vinco Corporation, Detroit, Mich. Internal abrasive device. 2,434,801, Jan. 20.
- Hutton, Ernest W.: *See*—
Storm, Herbert F., and Hutton.
- Huyck, F. C., & Sons, assignee: *See*—
Wilson, Ezekiel J.
- Huye, Charlotte, et al., legatees: *See*—
Huye, Joseph G.
- Huye, Joseph G., deceased; C. and M. Huye, legatees by judgment of possession, assignors to Huye Space Saving Box System, Inc., New Orleans, La. Composite partitioning and spacing element and combination thereof with a container. 2,450,801, Oct. 5.
- Huye, Merle, et al., legatees: *See*—
Huye, Joseph G.
- Huye Space Saving Box System, Inc., assignee: *See*—
Huye, Joseph G.
- Hvid, Rasmus M., Wilmette, Ill. Internal-combustion engine. 2,443,912, June 22.
- Hyatt, Carl E.: *See*—
Eyles, Wilfred C., and Hyatt.
- Hyatt, Harlow G.: *See*—
Shanley, Edward S., and Hyatt.
- Hyatt, Harlow G., Buffalo, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Organic peroxide composition. 2,453,070, Nov. 2.
- Hyatt, Harlow G., Buffalo, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Desensitization of solid organic peroxides. 2,453,071, Nov. 2.
- Hyde, Frank J., Sharon, Pa. Clothes pole and cap therefor. 2,449,778, Sept. 21.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Preparing silicones and product thereof. 2,438,478, Mar. 23.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Rendering glass water repellent. 2,439,689, Apr. 13.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Methyl siloxane polymers and preparation. 2,441,098, May 4.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,441,320, May 11.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Process for preparing methyl siloxanes. 2,446,135, July 27.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-di-siloxanes and making them. 2,449,940, Sept. 21.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and methods of preparing them. 2,450,594, Oct. 5.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Preparing organo-silicones. 2,455,999, Dec. 14.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Siloxane copolymers. 2,456,782, Dec. 21.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,457,677, Dec. 28.
- Hyde, James F., and O. K. Johannson, assignors to Corning Glass Works, Corning, N. Y. Preparation of salts of mono-organo silanols. 2,438,055, Mar. 16.
- Hyde, James F., and W. H. Dault, assignors to Corning Glass Works, Corning, N. Y. Production of organo-siloxanes. 2,443,353, June 15.
- Hyde, James F., and O. K. Johannson, assignors to Corning Glass Works, Corning, N. Y. Polymerizing organo-siloxanes. 2,453,092, Nov. 2.
- Hyde, John B., Great Neck, N. Y. Ground support anchor. 2,453,226, Nov. 9.

- Hyde, Merritt A., and R. E. Marbury, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current motor starting by means of capacitors. 2,436,302, Feb. 17.
- Hyde, Robert W., Englewood, N. J. Soldering iron. 2,454,875, Nov. 30.
- Hydraulic Brake Company, assignee: *See*—
La Brie, Ludger E.
- Hydraulic Control Engineering Company, assignee: *See*—
Kirkham, Hall.
- Hydraulic Development Corporation, The, assignee: *See*—
Waldie, George A.
- Hydraulic Development Corp., Inc., The, assignee: *See*—
Bober, Walter F., and Sebring.
- Lindsey, Robert J.
- Hydraulic Equipment Company, assignee: *See*—
Hrdlicka, Edward J., Jr.
- Schmiel, Herbert H.
- Hydroblast Corporation, The, assignee: *See*—
Tirrell, Leslie L.
- Hydrocarbon Research, Inc., assignee: *See*—
Hendriksen, Wealtha E.
- Keith, Percival C.
- Layng, Edwin T.
- Hydro-Speed Equipment Co., assignee: *See*—
McGee, Leland T.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Gear shifting mechanism for grain drills or the like. 2,437,094, Mar. 2.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Scraper for grain drill disks. 2,442,727, June 1.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Lever. 2,454,701, Nov. 23.
- Hyler, John H., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Vehicle coupling and power steering device. 2,451,677, Oct. 19.
- Hyler, Lottell L., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Earth mover. 2,444,612, July 6.
- Hyman, Julius, assignor to Velsicol Corporation, Chicago, Ill. Insecticide containing methylated naphthalene and 4,4' dichloro-diphenyltrichloroethane. 2,452,759, Nov. 2.
- Hyman, Mark, Jr.: *See*—
Land, Edwin H., Mahler, and Hyman.
- Hyman, Mark, Jr., assignor to Polaroid Corporation, Cambridge, Mass. Composite resinous sheet of birefringent material and making the same. 2,447,805, Aug. 24.
- Hyman, Mark, Jr., and P. H. Johnson, Jr., assignors to Polaroid Corporation, Cambridge, Mass. Polymers and copolymers of alkoxy acrylic esters. 2,440,092, Apr. 20.
- Hyman, Mark, Jr., and C. D. West, assignors to Polaroid Corporation, Cambridge, Mass. Sheetlike light-polarizing complex of iodine and a polyvinyl compound with protective surface boric acid-polyvinyl compound complex. 2,445,579, July 20.
- Hyman, Sidney, New York, N. Y. Combined wallet and cigarette case. 2,446,009, July 27.
- Hynek, Joseph F., Smithton, Pa. Piston ring expander. 2,433,907, Jan. 6.
- Hyner, Jacob, Waterbury, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Removing incrustations from lead anodes used for chromium plating. 2,456,281, Dec. 14.
- Hynes, Dibrell P., Evanston, assignor to Chicago Forging and Manufacturing Company, Chicago, Ill. Fitting. 2,448,888, Sept. 7.
- Hypnarowski, Adam, Buffalo, N. Y. Fishing reel. 2,438,287, Mar. 23.
- Hyster Company, assignee: *See*—
Dimick, Henry N.
- Johnson, George V.
- Hveem, John J., Maywood, assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,453,793, Nov. 16.
- I. B. Corporation, assignee: *See*—
Rice, Richard E.
- I-T-E Circuit Breaker Company, assignee: *See*—
Graves, Herbert C., Jr.
- Graves, Herbert C., Jr., Schymik, and Bradbury.
- McCrosky, Donald W.
- Scott, William M., Jr.
- Iams, Harley A., Princeton, N. J., assignor to Radio Corporation of America. System for focusing and for directing radio-frequency energy. 2,442,951, June 8.
- Iams, Harley A., Rose, and G. L. Krieger, Princeton, N. J., assignors to Radio Corporation of America. Cathode-ray storage tube. 2,454,652, Nov. 23.
- Iavelli, Teno: *See*—
Matulaitis, Victor E., and Iavelli.
- Neracher, Carl A., Dunn, Iavelli, and Syrov.
- Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,453,794, Nov. 16.
- Iavelli, Teno, Detroit, and V. E. Matulaitis, assignors to Chrysler Corporation, Highland Park, Mich. Servomotor. 2,436,388, Feb. 24.
- Iavelli, Teno, and V. E. Matulaitis, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,455,933, Dec. 14.
- Ibsch, Franz O., U. S. Navy, Columbus, Wis. Hood for simulated instrument flying in multicontrol aircraft. 2,440,274, Apr. 27.
- Iden, Fred B., Cleveland Heights, Ohio, assignor to General Electric Company. Filament coiling apparatus. 2,439,893, Apr. 20.
- Ielfield, August, assignor of one-half to J. W. Slack, Silver Creek, N. Y. Machine for marking letters and the like. 2,443,791, June 22.
- Ifield, Richard J.: *See*—
Watson, Ernest A., and Ifield.
- Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Automatically controlling the supply of liquid fuel to prime movers. 2,440,663, Apr. 27.
- Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Variable stroke pump. 2,455,062, Nov. 30.
- Igelsrud, Iver: *See*—
Pray, Henry A., Holden, Igelsrud, and Simard.
- Iglehart, Ferdinand C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,456,945, Dec. 21.
- Iler, Ralph K., East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chlorine and sodium sulfate. 2,445,117, July 13.
- Ilex Optical Company, assignee: *See*—
Schwarz, Alfred.
- Ifield, Max L., U. S. Army. Floating mine. 2,452,053, Oct. 26.
- Iford Limited, assignee: *See*—
Dimsdale, Wilfrid H., and Challis.
- Kendall, John D.
- Kendall, John D., and Fry.
- Kendall, John D., and Suggate.
- Kendall, John D., Suggate, and Wood.
- Kendall, John D., Wood, and Majer.
- Welford, Stanley F. W.
- Iilff, John W., Springfield, and M. Torrey, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmented emulsion type coating composition. 2,440,953, May 4.
- Illingworth, James W., Little Aston, Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London, England. Drying of textile materials. 2,438,366, Mar. 23.
- Illingworth, James W., Little Aston, Sutton Coldfield, and L. F. Pickup, Rochdale, England, assignors to Dunlop Tire & Rubber Corporation, Buffalo, N. Y. Treatment of yarns or cords comprising cellulose filaments. 2,453,013, Nov. 2.
- Illinois Clay Products Company, The, assignee: *See*—
Prosser, Robert A., and Nichols.
- Illinois Publishing and Printing Company, assignee: *See*—
Gibbons, William, and Scharton.
- Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.
- Illinois Testing Laboratories, Inc., assignee: *See*—
Cartotto, Edward.
- Illinois Tool Works, assignee: *See*—
Giles, Eugene M.
- Huber, John E.
- Mittelmann, Eugene.
- Illinois Watch Case Co., assignee: *See*—
Poupitch, Ouglessa J.
- Ilmer, Louis, Cortland, N. Y., and V. R. Pallas, Rootstown, Ohio. Grinder machine of the endless work-piece type. 2,441,243, May 11.
- Imber, Jack, Farnham Common, England. Bombs, pyrotechnic devices, and the like. 2,434,162, Jan. 6.
- Imber, Jack, and H. C. Hebard, Greenford, England. Aerial bomb, pyrotechnic device and the like. 2,447,941, Aug. 24.
- Imbert, Roger J., Paris, and G. Mission, Bagneux, assignors to Societe Rateau (Société Anonyme), Paris, France. Turbine distributor and nozzle. 2,447,942, Aug. 24.
- Imerman, Stanley, Detroit, Mich. Bushing and manufacturing same. 2,456,418, Dec. 14.
- Imm, Lewis W., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Flight computer. 2,448,596, Sept. 7.
- Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.
- McIntosh, Robert D.
- Imperial Chemical Industries Limited, assignees: *See*—
Bacon, Reginald G. R., Taylor, and Wood.
- Bailey, Eric J. G., Page, and McGowan.
- Bremner, John G. M., Jones, Pearce, and Smith.
- Bremner, John G. M., and Jones.
- Bremner, John G. M., and F. Starkey.
- Buckley, Gerard D.
- Charlton, William, and Harrison.
- Cooke, William H., and Smart.
- Cross, Charles A.
- Curd, Francis H. S., Hall, Owen, Rose, and Tuey.
- Curd, Francis H. S., Raison, and Rose.
- Evans, Norman L.
- Feachem, Charles G. P.
- Flanders, John S., and Jones.
- Fordham, Stanley, and Moilliet.
- Foster, Reginald T.
- Foster, Reginald T., and Bennett.
- Goodings, Eric P., and Rogers.
- Haddock, Norman H.

- Imperial Chemical Industries Limited, assignees: *See—*
Continued.
Haddock, Norman H., and Wood.
Hawkins, Peter A., and Bennett.
Hunter, Edward, and Richards.
Irving, Francis, and Livingston.
Jacobs, Barbara R., and Jolles.
Jarrett, Kenneth B.
Jones, David G., and Bremner.
Jones, Elwyn.
Knight, Arthur H., and Stephen.
Levy, Norman, Scaife, and Bryson.
Lipscomb, Robert.
McGill, John H.
McGinty, Lawrence.
Mendoza, Mordecai.
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
Morris, George, and Loudon.
Murray, Arthur G.
Scaife, Charles W.
Sexton, Wilfred A.
Sexton, Wilfred A., and Slade and Templeman.
Sever, William.
Smith, Arthur E. W., Scaife, and Baldock.
Smith, Walter F., and White.
Taylor, James, and Whetstone.
Thomson, Robin H. K., and Sever.
Wareing, Robert J.
Whalley, William B.
Whetstone, John, and Taylor.
Wood, Clifford.
Wright, Harold R., and Allan.
- Imperial Machine Corporation, assignee: *See—*
Bonthiller, Auguste J. and J. P.
- Imperial, Michael, University City, assignor to Skinner & Kennedy Stationery Company, St. Louis, Mo. Folding hand fan. 2,449,701, Sept. 21.
- Imperial Paper and Color Corporation, assignee: *See—*
Davidson, Harry S., and Gagliano.
- Imperial Tobacco Company of Canada Limited, assignee: *See—*
Van Sickels, John H.
- Imperial Trust for the Encouragement of Scientific and Industrial Research, The, assignee: *See—*
Walls, Leslie P.
- Imperial Typewriter Company Limited, assignee: *See—*
Brumhill, Claude W.
Brumhill, Claude W., and Pateman.
- Improved Carloading Company, assignee: *See—*
Nalbadian, Peter.
- Incampo, Giuseppe, West Point, N. Y. Water absorber for clarinets and the like. 2,457,473, Dec. 28.
- Independent Lock Company, assignee: *See—*
Erkkila, Andrew.
Falk, Morris.
- Independent Paper Box Co., assignee: *See—*
Franck, Lester W.
- Independent Pneumatic Tool Company, assignee: *See—*
Forss, Frithiof P.
Mitchell, Walter G.
Perham, James A.
- Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Centerless grinder. 2,439,303, Apr. 6.
- Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Cam lapping machine. 2,448,146, Aug. 31.
- Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Abrasive machine. 2,450,237, Sept. 28.
- Indiana Steel & Wire Company, assignee: *See—*
Kitselman, Harry L.
- Iodium Corporation of America, The: *See—*
Dyer, John R., Jr.
- Iodium Corporation of America, The, assignee: *See—*
Ellsworth, Harold D.
- Induction Heating Corp., assignee: *See—*
Levin, Nathan.
Rudd, Wallace C.
Rudd, Wallace C., and Stanton.
Schutz, Phillip W., and McMahon.
Stanton, Robert J., and Lowry.
Stevens, Nelson B., and Capolongo.
- Industrial Appliance & Equipment Co., Inc., assignee: *See—*
Vogel, Leo G.
- Industrial Ideas, Inc., assignee: *See—*
Galliano, John B.
- Industrial Patents Corporation, assignee: *See—*
Bloom, Oscar T.
Holloway, Donald F., and Spitzmueller.
McGinnis, Albert S., and Berry.
McKee, Harry H., Keefer, and McCue.
Petrullo, Felice.
Rinehart, Cleo A.
Scherr, Oscar L.
Wales, Nathaniel B.
- Industrial Rayon Corporation, assignee: *See—*
Burkholder, Alden H.
Corey, Lorin A., and Mayner.
Israel, William O.
MacLaurin, Robert D.
Mayner, Thomas S., and Hurayt.
McLellan, Kenneth M.
Standley, George P., and McLellan.
- Industrial Tape Corporation, assignee: *See—*
Crocker, Guy J.
Simonds, Donald R.
- Infald Novelty Company, assignee: *See—*
Florina, Charles.
- Inflico Incorporated: *See—*
Hughes, Walter J.
- Inflico Incorporated, assignee: *See—*
Adelson, Samuel L.
Green, Walter H.
- Ingalls, David, Westfield, assignor by mesne assignments, to Titeflex Inc., Newark, N. J. Fastening means. 2,441,321, May 11.
- Ingalls, David, Westfield, and J. H. Petersen, Union, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Forming and changing the cross section of convoluted metal tubing. 2,452,125, Oct. 26.
- Ingalls, John M.: *See—*
Miller, Carroll E.
- Ingalls, John M., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Stock pusher. 2,447,859, Aug. 24.
- Ingebreetsen, Ralph F.: *See—*
Breitenstein, Victor W., and Ingebreetsen.
- Ingelman, Björn G.-A.: *See—*
Grönwall, Anders J. T., and Ingelman.
- Ingels, Clarence W., St. Albans, N. Y. Thermal alarm apparatus. 2,455,011, Nov. 30.
- Ingenhof, Johannes, Haarlem, Netherlands. Weather-forecast apparatus. 2,435,785, Feb. 10.
- Ingersoll-Rand Company, assignee: *See—*
Doyle, Frank B.
Fuehrer, George H.
Fuehrer, George H., and Hosking.
Kidney, Carleton B.
Lincoln, Paul A.
Loss, Isidor B.
Naab, Julius.
Reed, Robert H.
Slater, Fred M.
Stepanoff, Alexey J.
- Ingham, John F., Wilton, Conn. Pipe hanger. 2,444,701, July 6.
- Ingoldby, Maurice K., deceased, late of Tynemouth, England, by T. F. Clarke, Swanley, and P. W. Cole, Purley, executors, and J. H. Abbink-Spaink, Jesmond, Newcastle-on-Tyne 2, assignors to Vickers-Armstrongs Limited, London, England. Power transmission system including pressure fluid follow-up servo-motor. 2,440,687, May 4.
- Ingraham, E., Company, The, assignee: *See—*
Fengler, Ferdinand.
Kohlhagen, Walter.
- Ingraham, Lloyd L.: *See—*
Lyons, Daniel J., Lazar, and Ingraham.
- Ingram, Bernard, Berkeley, Calif. Adjustable detent wrench for screw calks. 2,448,805, Sept. 7.
- Ingram, Curtis S., Fairfax, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Meter protection circuit. 2,451,953, Oct. 19.
- Ingram, Edgar W., Sr., assignor to White Castle System, Inc., Columbus, Ohio. Package construction. 2,435,355, Feb. 3.
- Ingres, Jeannot G., Detroit, Mich., assignor to Automatic Shifters, Inc., Richmond, Va. Pressure booster for hydraulic brake systems. 2,433,953, Jan. 6.
- Ingres, Jeannot G., Richmond, Va., assignor to Empire Electric Brake Company, Newark, N. J. Booster brake mechanism. 2,448,981, Sept. 7.
- Inland Wire Products Company, assignee: *See—*
Pagliarul, Joseph N.
- Insinger, Thomas H., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Separation of anthracene-cake constituents. 2,440,688, May 4.
- Inskeep, Oliver W., assignor to Harris Manufacturing Company, Stockton, Calif. Caster mount for single-wheel trailers. 2,453,916, Nov. 16.
- Inpaco A.-G., assignee: *See—*
Burri, Ernst.
- Insley, Jacob H., Johnstown, Pa. Pendent dress form. 2,446,832, Aug. 10.
- Insl-X Corporation, assignee: *See—*
Smith, Howard E.
- Institute of Paper Chemistry, The, assignee: *See—*
Pearl, Irwin A.
Rowland, Ben W., and Fronmuller.
Swanson, John W.
Wells, Sidney D.
- Interchemical Corporation, assignee: *See—*
Berberich, Otto P.
Berry, William E., and Wilson.
Carman, Everett F., and Berberich.
Cray, Frank W.
Fischer, Earl K.
Gessler, Albert E., Rolle, and Tuttle.
Hardy, Arthur C., and Dench.
- Interchemical Corporation: *See—*
Armatys, Edward.
Bernardi, Dominic J.
Engle, Loy S., Sheridan, and Fischer.
Gessler, Albert E., Grupe, Rolle, and Tuttle.
Marberg, Carl M.

- Interior, United States of America, as represented by the Secretary of, assignee: *See—*
 Banning, Lloyd H.
 Blakey, Harold L.
 Hawk, Charles O., Stern, and Hofer.
 Kinyon, Allen L., and Scarborough.
 Marks, Graham W., Cossey, and Mills.
 Sanford, Francis B., and McKee.
 Schroeder, Wilburn C., and Hills.
 Warner, Ernest R.
- International Bitumen Emulsions Limited, assignee: *See—*
 Montgomerie, John A., Archibald, and Bradshaw.
- International Braid Company, assignee: *See—*
 Pollard, Charles W.
- International Business Machines, assignee: *See—*
 Leathers, Ward, and Di Monico.
 Tholstrup, Henry L.
- International Business Machines Corporation, assignee: *See—*
 Armbruster, John W.
 Beattie, Horace S.
 Carroll, Fred M., and Benson.
 Carroll, Fred M., Bakelaar, and Pond.
 Daly, George F.
 Dickinson, Arthur H.
 Dodge, Ronald D.
 Fitch, Clyde J., and Eichorn.
 Ford, Eugene A.
 Giannuzzi, George A., and Miller.
 Jackson, Carlton T.
 Johnson, Reynold B., and Larrabee.
 Kavanagh, Joseph A.
 Lake, Clair D., and Fiehl.
 Lake, Clair D., and Hamilton.
 Lang, William.
 Leathers, Ward, and Haddad.
 Luhn, Hans P.
 Malros, Gustav V. A.
 Morton, John L.
 Page, Ralph E., and Beattie.
 Paris, Robert E.
 Robbins, Joseph J., and Blakely.
 Roth, Robert I.
 Rubridge, David W.
 Rubridge, David W., Manning, Greene, and Hood.
 Rutbell, Clarence C.
 Schuyler, Albert B.
 Tedder, Joel H.
 Thieme, Ott.
 Tholstrup, Henry L.
 Von Reppert, Richard.
 Watson, Thomas J., and Sprecker.
 Watson, Thomas J., Beattie, and Fuller.
- International Cellucotton Products Company, assignee: *See—*
 Harwood, Kenneth J.
 Klock, George E.
 Thompson, Oscar T., and Feagles.
- International Cigar Machinery Company, assignee: *See—*
 Clausen, Sigurd.
 Halstead, John F.
 Randolph, Clifford F.
 Wells, Franklin H., and Sowa.
- International Detrola Corporation, assignee: *See—*
 Johnson, Fleming W.
- International Handkerchief Mfg. Co., The, assignee: *See—*
 Anderson, Gustave A.
- International Harvester Company, assignee: *See—*
 Acton, Russel D.
 Avila, Frank W.
 Baker, David B.
 Bautz, Fredrick.
 Blaydes, Frederick T.
 Carry, Philip E.
 Crumb, Charles F., Kaupke, Raney, and Smith.
 Downing, Rexford D.
 Gerber, Edward R.
 Flater, Harold, Waernooff, and Franson.
 Hagen, Clarence R.
 Hardy, Lloyd A.
 Harstick, William H.
 Hilblom, Samuel E.
 Hitchcock, Rex B., and Rosenthal.
 Johnson, Arnold E. W.
 Kaupke, Lee H., and Raney.
 Kriegbaum, George M.
 Land, Harry A.
 Manwaring, Howard S.
 McNamara, Gordon G., Jr.
 Morkoski, James.
 Mott, Carl W.
 Orelind, John R.
 Orendorff, John W.
 Palmer, John S.
 Pool, Stuart D.
 Pool, Stuart D., and Downing.
 Rogers, Clifford R., Bechman, and Baker.
 Toland, Wayne G.
 Vogel, Hilmond O.
 Welty, Albert B.
 Wessman, Arnt W.
 Wherry, Isaac M.
 Ziskal, Joseph F., and Bechman.
- International Lubricant Corporation, assignee: *See—*
 Fraser, Harold M.
- International Minerals & Chemical Corporation, assignee: *See—*
 Barr, James A., and Smith.
 Butt, Charles A.
 Wrege, Edgar E., and Cunningham.
- International Mutoscope Corporation, assignee: *See—*
 Hertz, Ben.
- International Nickel Company, Inc., assignee: *See—*
 Kihlgren, Theodore E., and Lacy.
 Renzoni, Louis S.
- International Nickel Company, Inc., The, assignee: *See—*
 Brophy, Gerald R., and Miller.
 Buck, Mortimer P.
 Eash, John T.
 Gagnebin, Albert P., Seigle, and Vanick.
 McGuire, Ralph C.
 Renzoni, Louis S.
 Wesley, Andrew, and Roehl.
 Wise, Edmund M.
 Wise, Edmund M., and Vines.
- International Paper Box Machine Company, The, assignee: *See—*
 Chapman, Fred H.
 La Bombard, Leon E.
- International Paper Company, assignee: *See—*
 Bailey, Harold P., and Taylor.
 Cronin, Howard J.
 De Mian, Stanley B.
 Smith, Arnold A.
- International Projector Corporation, assignee: *See—*
 Lorange, George T.
 Seebinger, Fred L., Jr.
- International Resistance Company, assignee: *See—*
 Lodge, Edmund G.
- International Shoe Company, assignee: *See—*
 Diessel, Anton E.
- International Smelting & Refining Company, assignee: *See—*
 Bardwell, Carlos.
- International Standard Electric Corporation, assignee: *See—*
 Abercrombie, David J., Brettingham-Moore, and Muscio.
 Arditi, Maurice.
 Ashford, James L.
 Ashford, James L., and Billings.
 Barnard, Roy M.
 Biquard, Pierre.
 Bishop, Herbert S.
 Bour, Paul L.
 Bracke, Oscar J. J.
 Busignies, Henri G.
 Busnel, Francoise A. M.
 Cabes, Lucien A. B.
 Chatterjea, Prafulla K.
 Chatterjea, Prafulla K., and Scully.
 Clouet, Didier A.
 Cohrt, Eigil.
 Deakin, Gerald.
 Deloraine, Edmond M.
 Deloraine, Edmond M., Labin, and Gloess.
 Den Hertog, Martinus, and Cabes.
 Devaux, Lucien.
 Earp, Charles W.
 Earp, Charles W., and Strong.
 Gilliver, Gilbert.
 Girard, Jean M.
 Gloess, Paul F. M.
 Gluntz, Roger.
 Gray, Frank.
 Gray, Richard E.
 Hardy, René.
 Heaton-Armstrong, Louis J.
 Herbst, John A.
 Herondelle, Guy L. H.
 Holland, John D., and Robinson.
 Humphries, Arthur J.
 Kruithof, Jacob, and Cabes.
 Kruithof, Jacob, and Kozma.
 Kruithof, Jacob, Kozma, and den Hertog.
 Lalande, Marc A.
 Lehmann, Gerard J.
 Leno, John A., and Woodhouse.
 Levy, Maurice M.
 McLarn, Ernest S.
 McWhirter, Eric M. S., and Dunn.
 Mehut, Jean.
 Moscrip, William R.
 New, Archibald A.
 New, Archibald A., Foord, and Beckwith.
 Pouliart, Willy H. P.
 Powers, Stephen J.
 Richards, Edward A.
 Richards, Edward A., Ellison, and Gray.
 Robertson, James S. P.
 Rostas, Ernest.
 Searle, Arthur M.
 Smullin, Louis D.
 Spangenberg, Karl, Field, and Helm.
 Taylor, Frank H.
 Wolfson, Henry.
 Visschers, Pierre A. J. L.

- International Staple and Machine Company, assignee: *See—*
Schafroth, Werner.
- International Vibration Company, The, assignee: *See—*
Day, William P.
- Interrante, Frank, Brooklyn, N. Y. Ringlet hair curler. 2,449,301, Sept. 14.
- Interstate Bakeries Corporation, assignee: *See—*
Cohen, Morris.
- Interval Instruments, Inc., assignee: *See—*
Rieber, Frank.
- Interwoven Stocking Company, assignee: *See—*
Clarke, Edgar W.
- Inventions Corporation, assignee: *See—*
Bridges, John H.
- Invex Corporation, assignee: *See—*
Craig, Palmer H.
- Invex, Inc., assignee: *See—*
Craig, Palmer H.
- Inz, M. Lewandowski i B-cia, Kasinowski Spolka z ograniczona odpowiedzialnoscia, assignee: *See—*
Lewandowski, Marian.
- Iowa State College Research Foundation, assignee: *See—*
Holdren, Robert F.
- Ipatieff, Vladimir N.: *See—*
Haensel, Vladimir, and Ipatieff.
Monroe, George S., and Ipatieff.
Schmerling, Louis, and Ipatieff.
- Ipatieff, Vladimir N., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Purifying a hydrocarbon mixture containing small amounts of organic fluorine compounds. 2,434,409, Jan. 13.
- Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Separation of gem cyclic hydrocarbons from nongem cyclic hydrocarbons by selective dehydrogenation. 2,435,443, Feb. 3.
- Ipatieff, Vladimir N., and L. Schmerling, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of polyalkyl aromatics. 2,438,215, Mar. 23.
- Ipatieff, Vladimir N., Chicago, and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Dehydration of alkyl ketones. 2,443,732, June 22.
- Ipatieff, Vladimir N., Chicago, and V. Haensel, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Composition of matter. 2,444,509, July 6.
- Ippoliti, Frank, Philadelphia, Pa. Closed edge fly front for garments. 2,452,853, Nov. 2.
- Ippolito, Gaspar, New York, N. Y. Corkscrew with point protector. 2,434,212, Jan. 6.
- Ippolito, Joseph L., Ansonia, Conn. Hydraulic piston ring expander and piston head cooling device. 2,442,271, May 25.
- Irany, Ernest P., Cranford, N. J., assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Sulfonated crotonaldehyde-rosin reaction product and making same. 2,443,913, June 22.
- Irby, James W., Dayton, Ohio, assignor to The United States of America, as represented by the Secretary of War. Extensible antenna support. 2,440,689, May 4.
- Iredell, Charles V., Essex Fells, and R. J. Enrico, Union City, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of molybdenum. 2,454,322, Nov. 23.
- Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 2,446,284, Aug. 3.
- Ireson, Paul T., East Detroit, Mich. Combined smoking pipe and lighter. 2,455,583, Dec. 7.
- Irlon, Clarence E., Essex Fells, N. J., assignor, by mesne assignments, to Margot Corporation, New York, N. Y. Liquid printing ink containing a lignin compound. 2,449,230, Sept. 14.
- Irish, Frank L., De Witt, and S. Feldman, Syracuse, N. Y. Sterilizing apparatus. 2,447,183, Aug. 17.
- Irish, Russell E., Pittsburgh, Pa. Mechanical mixing bowl. 2,455,177, Nov. 30.
- Irling, Joseph, Chicago, Ill. Curtain rod support. 2,456,000, Dec. 14.
- Irmischer, Paul H., Chicago, Ill. Lighting fixture. 2,446,230, Aug. 3.
- Irmischer, Hans O., Roslyn, N. Y., assignor to National Un Bag Company, Inc. Mechanism for heat sealing package seam joints. 2,434,657, Jan. 20.
- Irmischer, Hans O., Roslyn, N. Y., assignor to National Un Bag Co., Inc. Manufacture of essence containing packages for brewing beverages. 2,447,014, Aug. 17.
- Iron Fireman Manufacturing Company, assignee: *See—*
Webb, Ernest C.
- Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Making lap-welded articles from thermoplastic films. 2,440,664, Apr. 27.
- Irons, Carroll R., and C. E. Sanford, assignors to The Dow Chemical Company, Midland, Mich. Making wrinkle-free film. 2,448,433, Aug. 31.
- Irrgang, Louis J., Jersey City, N. J. Connector plug. 2,444,739, July 6.
- Irvin, Basil D., Ottawa, Ontario, assignor of one-half to N. Samuel, Toronto, Ontario, Canada. Traction device for wheeled vehicles. 2,455,307, Nov. 30.
- Irvine, Houston N., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Reel and rake apparatus for combines. 2,454,063, Nov. 16.
- Irvine, Vanan C.: *See—*
Tamele, Miroslav W., Irvine, and Mahar.
- Irving, Francis, and A. Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone vat dyestuffs. 2,447,981, Aug. 24.
- Irving, Walter E., assignee: *See—*
Prince, Burton A.
- Irwin Auger Bit Company, The, assignee: *See—*
Daulton, Benjamin H.
- Irwin, Frank N., Jr., South Miami, Fla. Sealer. 2,452,126, Oct. 26.
- Irwin, Frederick D., Warsaw, Ind. Adjustable bracket. 2,439,624, Apr. 13.
- Irwin, Frederick D., Warsaw, Ind. Venetian blind. 2,456,946, Dec. 21.
- Irwin, James W., Washington, D. C. Telescoping cigarette case. 2,454,455, Nov. 23.
- Irwin, Robert A., Erie, Pa. Hydraulic transmission mechanism for vehicle drive axles. 2,441,703, May 18.
- Irwin, Robert W., assignee: *See—*
Herz, Cornelius M.
- Irwin, Samuel E., Jr., Ponta, Tex. Tree felling and log sawing attachment for tractors. 2,439,607, Apr. 13.
- Irwin, William J., Wilkinsburg, Pa. Chimney type heat regenerator. 2,446,420, Aug. 3.
- Isaac, Dorothy J., administratrix: *See—*
Isaac, Elmer B., and Rippl.
- Isaac, Elmer B., deceased, by D. J. Isaac, administratrix, University Heights, and F. J. Rippl, Cleveland, Ohio, assignors to General Electric Company. Filament forming apparatus. 2,449,653, Sept. 21.
- Isaacson Iron Works, assignee: *See—*
Allin, George S.
- Isaacson, Susan L., Monrovia, Calif. Urinary pad. 2,445,220, July 13.
- Isacco, Vittorio, London, England. Aircraft with rotatable sustaining blades. 2,457,376, Dec. 28.
- Isanogle, Paul D., and M. H. Replogle, assignors to The Davison Chemical Corporation, Baltimore, Md. Hydraulic removal of gel. 2,445,221, July 13.
- Isbister, Eric J., Brooklyn, N. Y., assignor to The Sperry Corporation. Electrical follow-up system. 2,436,807, Mar. 2.
- Isbister, Eric J., Garden City, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,444,445, July 6.
- Isbister, Eric J., Forest Hills, and W. N. Dean, Larchmont, N. Y., assignors to The Sperry Corporation. Cathode-ray tube control circuit. 2,453,711, Nov. 16.
- Isenberg, Hans D., Wilmette, Ill. Method and apparatus for making insulated cable. 2,434,073, Jan. 6.
- Ishler, Harry K., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Electric discharge device. 2,450,197, Sept. 28.
- Iske, Stanley C., assignee: *See—*
Eaton, John.
- Isler, Otto, Basel, Switzerland, assignor, to Hoffmann-La Roche Inc., Nutley, N. J. Polyenes and the manufacture thereof. 2,451,735, Oct. 19.
- Isler, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Polyenes and the manufacture thereof. 2,451,736, Oct. 19.
- Isler, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,451,737, Oct. 19.
- Isler, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,451,738, Oct. 19.
- Isler, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,451,739, Oct. 19.
- Isom, Walter L., Crows Landing, Calif. Catcher for fruit and nut gatherers. 2,436,648, Feb. 24.
- Israel, Jack, New York, N. Y. Posture girdle. 2,443,316, June 15.
- Israel, William O., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Terpene derivatives and producing the same. 2,440,093, Apr. 20.
- Israel, William O., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Spinning solution and making it. 2,440,094, Apr. 20.
- Israelski, Ignatius J., Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Connecting base plate. 2,454,803, Nov. 30.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control apparatus for motors. 2,435,966, Feb. 17.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada. Toaster. 2,444,510, July 6.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control circuit. 2,444,568, July 6.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,453,917, Nov. 16.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada. Golf tee. 2,456,511, Dec. 14.
- Isthmian Metals, Inc., assignee: *See—*
Rice, Richard E.
- Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Fat hydrolysis. 2,435,745, Feb. 10.

- Ivandick, Matthew G., assignor to Free Sewing Machine Co., Rockford, Ill. Sewing machine. 2,438,636, Mar. 30.
- Ivanoff, Alexander: *See*—
Howard, Giles P. E., and Ivanoff.
- Ivester, Cecil B., Sunray, Tex., assignor to Continental Carbon Company. Time delay switch. 2,437,197, Mar. 2.
- Ivers-Lee Company, assignee: *See*—
Salfsberg, Leroy L.
- Ivers-Lee Company, The, assignee: *See*—
Salfsberg, Leroy L.
- Iverson, Henry V., Burlington, N. J. Windmill. 2,441,635, May 18.
- Iverson, William A., Denver, Colo. Combination toothbrush and dentifrice holder. 2,443,425, June 15.
- Ivey, Julius C., Cincinnati, Ohio. Angle indicator. 2,452,930, Nov. 2.
- Ivy, Joe G.: *See*—
Wrathall, John R., and Ivy.
- Iwanski, Emil F., Chicago, Ill. Thermometer and thermostatically operable electric signaling device. 2,456,062, Dec. 14.
- Iwashita, George K., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Two-temperature refrigerator. 2,434,361, Jan. 15.
- Iwashita, George K., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Refrigerator cabinet and mounting a compressor and condenser therein. 2,446,876, Aug. 10.
- Iwerks, Ubbe E., Van Nuys, assignor to Walt Disney Productions, Burbank, Calif. Animating device. 2,449,702, Sept. 21.
- Iwick, John F., Chicago, Ill. Animated picture viewing apparatus. 2,449,483, Sept. 14.
- J. & L. Tool & Findings Co., assignee: *See*—
Lundsten, Everett H.
Nelson, William.
- Jaap, John F.: *See*—
Hasselhorn, Walter C., and Jaap.
- Jablon, Theodore M., Elmhurst, Long Island, N. Y. Slide mounting. 2,439,390, Apr. 13.
- Jack & Heintz, Precision Industries, Inc., assignee: *See*—
Bousky, Samuel.
Brown, Anthony G.
Cahill, Lysle D., and Uber.
Carlson, Bert G.
Gauvreau, Alphonse P.
Heintz, Ralph M.
Heintz, Ralph M., and Frazier.
Mueller, Siegfried E., Anderson, and Cacas.
Neff, Joseph J.
Piskac, Yaro, and Smiley.
Walters, Russell W.
- Jack, William R., assignee: *See*—
Carlson, Bert G.
- Jackel, Arthur P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,442,603, June 1.
- Jackie, John, Gratiot Township, Wayne County, Mich. Locking device for gates. 2,455,772, Dec. 7.
- Jackler, Morris, Brooklyn, N. Y. Pocketbook having all exposed surfaces finished. 2,437,534, Mar. 9.
- Jackler, Rose, Brooklyn, and D. H. Goldberg, New York, N. Y. Decorative fabric for handbags. 2,440,474, Apr. 27.
- Jackson, Albert E., Columbus, Ind. Automatic elevator. 2,443,563, June 15.
- Jackson, Alfred F., assignor to Automatic Devices Corporation, Bridgeport, Conn. Safety thermal circuit-breaker. 2,442,693, June 1.
- Jackson, Alphonus L., and H. A. Brown, St. Clair, Mo. Folding box. 2,456,419, Dec. 14.
- Jackson, Byron Co., assignee: *See*—
Hamblly, Allen E.
Lundeen, Chester A.
- Jackson, Carlton T., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Variable spacing mechanism for typewriting machines. 2,439,470, Apr. 13.
- Jackson, Clarence D., Putnam, Conn. Pivoted caliper. 2,445,068, July 13.
- Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Concrete placement machine. 2,449,851, Sept. 21.
- Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Screeding and compacting machine for concrete slabs and the like. 2,453,510, Nov. 9.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Focus coil suspension for cathode ray tubes. 2,440,403, Apr. 27.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Sockets primarily for radio tubes and the like. 2,453,014, Nov. 2.
- Jackson, Donald, assignor to Pye, Limited, Cambridge, England. Sockets primarily for radio valves and the like. 2,453,015, Nov. 2.
- Jackson, Donald R., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Catalyst reactivation. 2,439,852, Apr. 20.
- Jackson, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Electronic direct-current control system. 2,456,420, Dec. 14.
- Jackson, Edward H., Jr., Temple, Pa. Spinning means and method. 2,454,323, Nov. 23.
- Jackson, Ernest W., Bellflower, Calif. Boring attachment. 2,438,607, Mar. 30.
- Jackson, George F., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Forming metal closures for paper containers. 2,455,063, Nov. 30.
- Jackson, George R.: *See*—
Corwin, Aisoph H., Jackson, and Webb.
- Jackson, George W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Antifriction screw and nut actuator. 2,450,282, Sept. 28.
- Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Grid hearth. 2,434,852, Jan. 20.
- Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Furnace tray basket. 2,453,511, Nov. 9.
- Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Flexible work tray for heat-treating furnaces. 2,453,845, Nov. 16.
- Jackson, Horace J., Columbus, Ohio. Shoe shining bracket with adjustable shoe tree. 2,446,931, Aug. 10.
- Jackson, James G., assignor of one-half to J. N. Trumpour, Port Alberni, British Columbia, Canada. Reel signal for motion picture projection apparatus. 2,433,908, Jan. 6.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Quick-acting valve. 2,449,604, Sept. 21.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Spherical type insulated container for liquefied gases. 2,456,195, Dec. 14.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Conductor arrangement for current distribution. 2,439,471, Apr. 13.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Electrical panelboard. 2,440,824, May 4.
- Jackson, John G., and R. H. Kingdon, assignors to Square D Company, Detroit, Mich. Current distribution duct. 2,444,648, July 6.
- Jackson, John M.: *See*—
Grable, Donovan B., and Jackson.
Jackson, Joseph G., assignee, et al.: *See*—
Mullen, Milton R.
- Jackson, Marshal E., Kalamazoo, Mich. Decoy. 2,439,167, Apr. 6.
- Jackson, Melvin F., assignor to J. I. Case Company, Racine, Wis. Packed joint for cylinder barrels. 2,447,840, Aug. 17.
- Jackson, Robert A., Tulsa, Okla., assignor to Chicago Bridge & Iron Company. Vent, overflow, and ladder unit, for storage tanks. 2,457,155, Dec. 28.
- Jackson, Robert A., Kansas City, Mo. Booster spring for focal plane shutters. 2,444,446, July 6.
- Jackson, Theodore F., assignor of one-half to W. B. Keres, Rockford, Ill. Pocket toothbrush. 2,450,002, Sept. 28.
- Jackson, Thomas, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Induction system for multicylinder opposed piston engines. 2,439,472, Apr. 13.
- Jackson, Thomas, and F. B. Hill, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Apparatus for the treatment of textile strands. 2,450,045, Sept. 28.
- Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.
- Jackson, Wilbur, Chatsworth, Ga. Clamp for barrel pumps. 2,440,372, Apr. 27.
- Jackson, Wilbur, Chatsworth, Ga. Valve device for use with flexible hose. 2,441,704, May 18.
- Jackson, Wilbur F., Compton, and T. H. Jeffers, Inglewood, Calif., assignors to Robertshaw-Fulton Controls Company. Safety control for gaseous fuel burners. Re. 22,987, Mar. 16.
- Jackson, William H., Johnstown, Pa. Aeroplane empennage. 2,439,304, Apr. 6.
- Jackson, William L., Greenville, S. C. Cigarette holder. 2,455,492, Dec. 7.
- Jackson, William M., assignee, et al.: *See*—
Garehime, Ervin D.
- Jackson, William R., Tucson, Ariz. Adjustable temple for eyeglasses. 2,443,249, June 15.
- Jackson, Wm. Steel, assignee, et al.: *See*—
Mullen, Milton R.
- Jacob, Fraser B., Lynn, Mass., assignor to The Electroly Company, Incorporated, Bridgeport, Conn. Spot weld tester. 2,453,576, Nov. 9.
- Jacob, Morris L., assignor to Pittsburgh Annealing Box Company, Pittsburgh, Pa. Annealing box. 2,452,931, Nov. 2.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock device. 2,437,299, Mar. 9.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch. 2,440,690, May 4.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch terminal guard. 2,445,949, July 27.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electrical control instrument. 2,450,144, Sept. 28.

- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Latch device. 2,450,145, Sept. 28.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic keyhole lock cover. 2,454,925, Nov. 30.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock device for compartment doors. 2,454,926, Nov. 30.
- Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,453,512, Nov. 9.
- Jacobowitz, Arnold, assignee: *See*—Ulrich, Edward A.
- Jacobs, Albert A., Milwaukee, Wis. Pump of the tube compressing type. 2,434,802, Jan. 20.
- Jacobs, Barbara R., London, and Z. E. Jolles, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of arylbiguanide hydrochlorides. 2,446,421, Aug. 3.
- Jacobs, Charles E., Minneapolis, Minn. Trigger safety lock for guns. 2,444,649, July 6.
- Jacobs, E. H., Mfg. Co. Inc., assignee: *See*—Bullard, W. Irving
- Jacobs, Frank, Asbury Park, N. J. Coupling terminal unit for storage batteries. 2,444,046, June 29.
- Jacobs, Gordon B., Carthage, N. Y., and O. I. Steigerwalt, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Electronic device circuit. 2,438,396, Mar. 23.
- Jacobs, Harold, Clayton, Mo. Exhaust manifold. 2,455,493, Dec. 7.
- Jacobs, Henry, London, England. Light-modifying attachment for lamps used in photography. 2,441,489, May 11.
- Jacobs, James H.: *See*—Hanley, Herbert R., and Jacobs.
- Jacobs, James H., Boulder City, Nev., and W. H. Yarroll, Provo, Utah, assignors, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Electrolytic cell for recovering manganese. 2,456,196, Dec. 14.
- Jacobs, Irvin N., Kansas City, Mo., and Herbert C. Jones, Easton, Kans. Mechanical pitching and batting device for baseball games. 2,437,745, Mar. 16.
- Jacobs, Maurice, Ridgefield, N. J., assignor, by mesne assignments, to A. W. Clurman, New York, N. Y., as trustee. Laminated sheet and composition for coating laminae. 2,438,339, Mar. 23.
- Jacobs, Robert L., Cleveland, Ohio. Washing and drying rack for Venetian blinds. 2,443,859, June 22.
- Jacobs Rubber Products, Incorporated, assignee: *See*—Moe, J. Edgar.
- Jacobs, Samuel S., San Mateo, and H. B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Type locking means for marking mechanism. 2,447,015, Aug. 17.
- Jacobsen, Bent B., and M. M. Levy, assignors to Standard Telephones and Cables Limited, London, England. Multivibrator. 2,436,808, Mar. 2.
- Jacobsen, Carl, assignee, et al.: *See*—Neal, Ernest C.
- Jacobsen, Charles G., Chicago, Ill. Mud shield for shoe heels. 2,446,285, Aug. 3.
- Jacobsen, E. A., special administrator: *See*—Krenzke, William F.
- Jacobsen, Edwin, Altadena, Calif. Producing power. 2,445,483, July 20.
- Jacobsen Manufacturing Company, assignee: *See*—Bergh, Charles J.
Carlson, J. A. E.
Krenzke, William F.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,441,705, May 18.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Fabricating packing glands. 2,448,147, Aug. 31.
- Jacobsen, Peter E. V., Copenhagen, Denmark. Cardboard box for eggs. 2,436,997, Mar. 2.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug valve. 2,454,389, Nov. 23.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Centrifugal pump. 2,454,390, Nov. 23.
- Jacobson, Abraham W., New Haven, and E. M. Whitney, Woodbury, assignors to The Bristol Company, Waterbury, Conn. Apparatus for determining balance in an electrical network. 2,438,288, Mar. 23.
- Jacobson, Ernest: *See*—Oberbauer, William, and Jacobson.
- Jacobson, Franz, New York, N. Y. No-twist self-locking coupling. 2,454,557, Nov. 23.
- Jacobson, Henning W.: *See*—Ford, Thomas A. and Jacobson.
- Jacobson, Henning W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dithiadecane diester. 2,439,212, Apr. 6.
- Jacobson, Ralph A.: *See*—Howk, Benjamin W., and Jacobson.
- Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of acrylic acid nitriles. 2,436,926, Mar. 2.
- Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorine-containing vinyl esters. 2,443,005, June 8.
- Jacobsson, Wilgot J., Plainfield, N. J., assignor to The Linde Air Products Company. Blowpipe head. 2,442,414, June 1.
- Jacobus, David D.: *See*—Beeher, Allan R. A., Jacobus, and Keuffel.
- Jacomini, Virgil V., Houston, Tex. Process and apparatus for continuous catalysis. 2,440,475, Apr. 27.
- Jacquard Knitting Machine Co., Inc., assignee: *See*—Miller, Charles F.
- Jacques Kreisler Manufacturing Corporation, assignee: *See*—O'Larte, Rudolph, and Vollet.
- Jaechle, Albert E., Loral Park, N. Y. Railway freight car construction. 2,453,322, Nov. 9.
- Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Concrete mixer. 2,439,774, Apr. 13.
- Jaeger, Jacob J., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Circuits for tracer controlled machine tools. 2,435,280, Feb. 3.
- Jaeger Machine Company, The, assignee: *See*—Jaeger, Gebhard.
Lamberton, Ralph E.
Millikin, Arnold S., and Apel.
- Jaeschke, Ralph L., Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill. Speed control for dynamoelectric apparatus. 2,449,779, Sept. 21.
- Jaffa, Mose, Brooklyn, N. Y. Degreasing apparatus embodying means for confining solvent vapor. 2,442,272, May 25.
- Jaffe, Hans: *See*—Kjellgren, Bengt R. F., Malone, and Jaffe.
- Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Controlling the resistivity of P-type crystals. 2,449,484, Sept. 14.
- Jager, John, Chicago, Ill. Electric can opener. 2,441,322, May 11.
- Jagger, Hubert: *See*—Little, Alfred E., and Jagger.
- Jago, John L., Lower Lake, Calif., assignor to the United States of America as represented by the Secretary of War. Delay line. 2,452,572, Nov. 2.
- Jahant, Charles J., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire and making same. 2,441,071, May 4.
- Jahn, Albert J., and C. M., Denver, Colo. Bottle seal cutter. 2,439,894, Apr. 20.
- Jahn, Carl M.: *See*—Jahn, Albert J. and C. M.
- Jahn, Jens S., Copenhagen, assignor to Aktieselskabet Brødrene Hartmann, Kanalvej, Kongens Lyngby, Denmark. Machine for transferring a design to a cloth material. 2,446,010, July 27.
- Jahnig, Charles E.: *See*—Griffin, Lindsay I., and Jahnig.
- Jahnig, Charles E., Roselle, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Method and apparatus for contacting hydrocarbons with catalyst particles. 2,434,567, Jan. 13.
- Jahrling, Robert J., Jamaica, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Dual crystal unit. 2,456,421, Dec. 14.
- Jain-Sax Clothing Co., Inc., assignee: *See*—Sachs, Irving.
- Jakeway, Gerald V., and I. S. Keeler, assignors to Keeler Brass Company, Grand Rapids, Mich. Hardware article. 2,433,993, Jan. 6.
- Jakobsen, Jakob L., Minneapolis, Minn., assignor to General Mills, Inc. Process for producing nonbreak oil. 2,448,434, Aug. 31.
- Jakobsen, Jens G., Copenhagen, Denmark, assignor to N. B. Bach, New York, N. Y. Method and material for the production of toy balloons. 2,438,854, Mar. 30.
- Jakoubek, Frank J., Elmwood Park, and W. E. Gahl, Berwyn, assignors to Templeton, Kenly & Co. Inc., Chicago, Ill. Endless track tool. 2,440,512, Apr. 27.
- James, Bill Y., assignor of one-half to C. Y. James, Miami, Okla. Collapsible preformed package jacket. 2,433,994, Jan. 6.
- James, Caroline Y., assignee: *See*—James, Bill Y.
- James, Emrys G., Pinner, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency oscillator. 2,456,422, Dec. 14.
- James, Harold V., Denver, Colo. Tire retreading device. 2,456,053, Dec. 14.
- James, Kenneth D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Counterelectromotive force motor starter control system. 2,452,127, Oct. 26.
- James, Lorenzo D., Long Beach, Calif. Tank valve. 2,446,767, Aug. 10.
- James Manufacturing Company, assignee: *See*—Olson, John B.
Petraske, Harry O.
- James Manufacturing Company, Inc., assignee: *See*—De Cesaris, Frederick.
- James, Parker H., Indianapolis, Ind. Multiple unit furniture. 2,440,544, Apr. 27.
- James, Robert B., Cincinnati, Ohio. Coil former. 2,451,222, Oct. 12.

- James, Thomas H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic development by ferrous alkaline solutions. 2,453,323, Nov. 9.
- Jamieson, William H., and E. L. Durkee, Bethlehem, Pa., assignors to Bethlehem Steel Company. Wing raising device for floating dry docks. 2,449,780, Sept. 21.
- Jamieson, William H., and E. L. Durkee, Bethlehem, Pa., assignors to Bethlehem Steel Company. Apparatus for lifting massive objects. 2,449,781, Sept. 21.
- Jamieson, William L., and F. L. Rogers, San Jose, Calif. Locking means for dividers. 2,457,474, Dec. 28.
- Jamestown Metal Equipment Company, Inc., assignee: *See—*
- Conterman, Fred A.
Briggs, Allan L.
- Jamieson, Hamer H., assignee: *See—*
Glasgow, Frances K.
- Jamieson, Ralph, Edinburgh, Scotland. Garment provided with sleeves. 2,438,171, Mar. 23.
- Jamison, C. Bland, assignee, et al.: *See—*
De Swart, Jan.
- Jamison, Charles R., Morgantown, W. Va. Control for airplanes. 2,455,584, Dec. 7.
- Jandasek, Joseph, assignor to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,441,490, May 11.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,440,445, Apr. 27.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotary hydraulic torque converter. 2,440,825, May 4.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Vane for combined fluid torque converters and couplings. 2,441,818, May 18.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid torque converter, including multiple energizing and energy absorbing elements. 2,453,795, Nov. 16.
- Janes, A. Leslie, Jr., assignee: *See—*
Smith, Putnam M.
- Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack button. 2,442,362, June 1.
- Janes, Irene M., North Arlington, assignor of one-half to G. Martin, East Orange, N. J. Button staple anchor and shield. 2,453,227, Nov. 9.
- Janes, Robert B.: *See—*
Grover, Alan M., and Janes.
- Janette, John T., Kenilworth, assignor to Janette Manufacturing Company, Chicago, Ill. Centrifugally operated electric governor. 2,455,335, Nov. 30.
- Janette Manufacturing Company, assignee: *See—*
Janette, John T.
- Janin, Mary K., Port Credit, Ontario, Canada. Lady's undergarment. 2,453,372, Nov. 9.
- Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Material applicator for printing machines. 2,443,458, June 15.
- Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Inking system for printing machines. 2,456,282, Dec. 14.
- Janney, Herman J., Opportunity, Wash. Device for launching projectiles. 2,445,326, July 20.
- Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Moisture control means for two-temperature refrigerator cabinets. 2,442,204, May 25.
- Jans, Arthur, assignee: *See—*
Fields, Charles I.
- Jansen, Eugene F., and Hans Lineweaver, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Pectic enzyme preparations fortified with pectinesterase. 2,457,560, Dec. 28.
- Jansen, Herbert D., Shorewood, Wis. Combined conveyor and excavator. 2,438,637, Mar. 30.
- Jansen, Jacob E.: *See—*
Gresham, Thomas L., and Jansen.
- Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sulfuric acid reaction product of 2-mercapto-4,6,6-trimethyl thiazine. 2,439,810, Apr. 20.
- Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 2-mercapto thiazines and preparing same. 2,440,095, Apr. 20.
- Jansen, Joseph P., Milwaukee, Wis. Joint for composite structural element. 2,453,918, Nov. 16.
- Jansen, Louis T., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical socket. 2,443,706, June 22.
- Jansky, Karl G., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Three-dimension radio direction finder. 2,437,695, Mar. 16.
- Jantzen, Frederick H., Bronx, N. Y., assignor of fifty per cent to M. R. Ginsberg. Measuring implement. 2,452,241, Oct. 26.
- Jantzen Knitting Mills, assignee: *See—*
Haberfeld, Paul.
- Jardine, George W., Waltham, Mass. Shock absorber for pneumatic apparatus. 2,441,766, May 18.
- Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,435,628, Feb. 10.
- Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming articles. 2,443,914, June 22.
- Jarmin, James B., assignor to Servis Equipment Company, Dallas, Tex. Earth handling machine. 2,446,136, July 27.
- Jarosh, Louis, Brooklyn, N. Y. Rake cleaning attachment. 2,447,579, Aug. 24.
- Jarowski, Charles I., Springfield, assignor to Wyeth Incorporated, Philadelphia, Pa. Antioxidant. 2,455,256, Nov. 30.
- Jarowski, Charles I., Springfield, and E. T. Stiller, assignors to Wyeth Incorporated, Philadelphia, Pa. Antioxidants. 2,455,254, Nov. 30.
- Jarowski, Charles I., Springfield, E. T. Stiller, Philadelphia, and M. B. Williamson, Lansdowne, assignors to Wyeth Incorporated, Philadelphia, Pa. Preparing an antioxidant from rice bran. 2,455,255, Nov. 30.
- Jarrett, Henry W., assignee, et al.: *See—*
Lago, Francis.
- Jarrett, Kenneth B., Welwyn Garden City, England, assignor to Imperial Chemical Industries Limited. Powdered polythene. 2,451,743, Oct. 19.
- Jarvi, Reino A.: *See—*
Stephan, John T., Jarvi, and Ash.
- Jarvis, Harold T., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Ignition control. 2,451,289, Oct. 12.
- Jarvis, Harold T., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and ignition control. 2,453,093, Nov. 2.
- Jarvis, Samuel F.: *See—*
Moran, Don E., and Jarvis.
- Jasco, Incorporated, assignee: *See—*
Frolich, Per K.
Frolich, Per K., and Lighthown.
Gerlicher, Robert A.
Green, Arthur D.
Kellog, Henry B.
Mann, Matthew D., Jr.
Sparks, William J., and Thomas.
- Jaskot, Edwin: *See—*
Santoro, Ovid, and Jaskot.
- Jasmer, Pearley A., Milwaukee, Wis. Tire chain. 2,437,031, Mar. 2.
- Jasperson Robert E. United States Navy. Automatic navigational director. 2,444,933, July 13.
- Jaswell, Roy, Smithfield, R. I. Sealing tip for well casings. 2,452,466, Oct. 26.
- Jauch, Martin, Irvington, N. J. Carrier for knitting machines. 2,453,513, Nov. 9.
- Jauhainen, Donald, Iron River, Mich. Eggshell remover. 2,449,941, Sept. 21.
- Javery, Frank B., assignor to Warp Compressing Machine Company, Worcester, Mass. Warp beam compressor device. 2,444,775, July 6.
- Jaxheimer, William H.: *See—*
Drum, Harry S., Dodson, and Jaxheimer.
- Jaycox, Edward V. K., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire inspection device. 2,445,731, July 2.
- Jayne, David W., Jr.: *See—*
Day, Harold M., and Jayne.
- Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Electromagnetic wave guide. 2,441,574, May 18.
- Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Automatic frequency control system. 2,454,265, Nov. 16.
- Jaynes, Hal B., Lenoir, N. C. Electrically operated generator. 2,455,494, Dec. 7.
- Jebens, Walter J., Plainfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating polyvinyl alcohol film. 2,436,433, Feb. 24.
- Jeffcock, Howard W., assignor to Morris Machine Works, Baldwinsville, N. Y. Sealing means for pumping apparatus. 2,448,717, Sept. 7.
- Jefferies, Richard H., Richmond, Va. Gun sight. 2,433,909, Jan. 6.
- Jeffers, Frank E., Wheaton, Ill. Attachment for digging implements. 2,434,074, Jan. 6.
- Jeffers, Thomas H.: *See—*
Jackson, Wilbur F., and Jeffers.
- Jefferson Electric Company, assignee: *See—*
Rickmeyer, Ernst W.
- Jefferson, George D., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Textile wax compositions. 2,456,283, Dec. 14.
- Jefferson, Glen V.: *See—*
McWhirter, William C., and Jefferson.
- Jefferson, Glen V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,454,702, Nov. 23.
- Jefferson Standard Broadcasting Company, assignee: *See—*
Barone, Salvatore A.
Hansen, Edward, and Davis.
Norde, Leslie.
- Jeffree, John H., Cobham, assignor to Combined Optical Industries Limited, Slough, England. Determining correct curvatures of lenses and spacings thereof. 2,450,965, Oct. 12.

- Jeffrey Company, The, assignee: *See*—
Bird, Byron M.
Lindsay, James R.
- Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.
- Jeffrey Manufacturing Company, The, assignee: *See*—
Ainsworth, Harold W.
Baurath, Walter J.
Beltz, John S.
Feight, Oscar J.
Fowler, John T.
Francis, Earle V.
Hittson, Harker H.
Jeffrey, Robert K.
Lee, Arthur L.
Levin, Nils D.
Mercier, Stanley M.
Stevenson, Robert W.
Whitney, Paul V.
Wright, Fred J.
- Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Automatic set-back counter. 2,440,665, Apr. 27.
- Jeffery, Richard E., Malden, assignor to Market Forge Company, Everett, Mass. Door for pressure compartments. 2,435,006, Jan. 27.
- Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining machine. 2,452,760, Nov. 2.
- Jeffreys, George A., Salem, Va., assignor to N. Littell, New Canaan, Conn. Preparation of yeast and of yeast- and vitamin-rich products. 2,440,545, Apr. 27.
- Jeffreys, George A., Salem, Va., assignor to N. Littell, New Canaan, Conn. Symbiotic process for preparing yeast and other products. 2,440,546, Apr. 27.
- Jeffreys, George A., Salem, Va., assignor to N. Littell, New Canaan, Conn. Production of biochemically processed liquid base material for food products. 2,452,534, Nov. 2.
- Jegge, Ernest O.: *See*—
Dunham, Le Roy S., and Jegge.
- Jelen, Frederic C.: *See*—
Pray, Henry A., Faust, and Jelen.
- Jelley, Edwin E., and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Color photography with azo-substituted couplers. 2,434,272, Jan. 13.
- Jellinek, Curt, County of Glamorgan, Wales, now by judicial change of name Curtis M. Elliott. Textile steaming or ageing machine. 2,453,796, Nov. 16.
- Jellum, Kristen, Spooner, Wis. Casting reel. 2,455,495, Dec. 7.
- Jenkins, Alexander: *See*—
Thompson, Leslie E., and Jenkins.
- Jenkins, Cecil: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.
- Jenkins, Charles F.: *See*—
Rambo, Rawdon E., and Jenkins.
- Jenkins, Charles F., Laughlinton, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifugal blower. 2,439,933, Apr. 20.
- Jenkins, Francis J., Hurlstone Park, New South Wales, Australia. Combined table and electrically heated hot plates. 2,439,133, Apr. 6.
- Jenkins, Fred W.: *See*—
Monson, Louis T., Anderson, and Jenkins.
- Jenkins, Frederick T., Seattle, Wash. Retort door. 2,447,464, Aug. 17.
- Jenkins, Gwilym I.: *See*—
Fawcett, Eric W. M., Jenkins, and Habeshaw.
- Jenkins, Herbert E., Indianapolis, Ind. Bedspring support. 2,437,535, Mar. 9.
- Jenkins, Howard H., San Marino, Calif., assignor to American Pipe and Construction Co. Molding ends of concrete pipes. 2,447,703, Aug. 24.
- Jenkins, Kenneth D., Oakland, Calif. Magnetron filament temperature regulator. 2,443,189, June 15.
- Jenkins, Maurice, London, England. Change-over system for cinematographic projectors. 2,448,220, Aug. 31.
- Jenkins, Paul W.: *See*—
Young, James H., and Jenkins.
- Jenkins, Richard B., Keene, N. H. Steady rest. 2,441,150, May 11.
- Jenner, Myron S., New York, N. Y. Flash synchronizer for cameras with curtain shutters. 2,455,365, Dec. 7.
- Jenner, Ray R., Wichita, Kans. Actuator. 2,444,257, June 29.
- Jenni, Arthur, Twain-Harte, assignor of one-half to J. C. McCandless, San Francisco, Calif. Cigarette snuffer. 2,436,303, Feb. 17.
- Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography and compositions and elements therefor for utilizing sulfonamide color formers. 2,435,629, Feb. 10.
- Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Eliminating stain from color-yielding elements by treatment with aromatic aldehydes containing an acyl group. 2,440,954, May 4.
- Jennings, Arthur L., and H. C. Brown, Jr., assignors to Armstrong Cork Company, Lancaster, Pa. Sealed insulation block. 2,433,847, Jan. 6.
- Jennings, Gerald P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mechanical seal for centrifugal pumps. 2,436,514, Feb. 24.
- Jennings, Harley V., Ohio, assignor to Copeman Laboratories Company, Flint, Mich. Ice tray and slip surface flexible grid. 2,455,366, Dec. 7.
- Jennings, Irving C., South Norwalk, Conn. Power transmission. 2,435,678, Dec. 7.
- Jennings, Jarvis S., assignor to Hoof Products Company, Chicago, Ill. Crankcase compression, two-cycle engine. 2,445,715, July 20.
- Jennings, Lawrence D., and J. Naymik, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction generator starting gear. 2,445,435, July 20.
- Jennings, Lawrence D., and J. Naymik, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism. 2,447,651, Aug. 24.
- Jennings, Oliver S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,447,652, Aug. 24.
- Jennings, William S., Richmond, and W. Rowland, Petersburg, Va., assignors to Allied Chemical & Dye Corporation. Conveyor switch. 2,445,950, July 27.
- Jenny, Alfred, and A. Pedolin, assignors to J. R. Geigy A. G., Basel, Switzerland. Trisazo dyestuffs and making same. 2,434,410, Jan. 13.
- Jenny, Robert W., East Paterson, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Linkage for equispacing radially guided apparatus. 2,450,046, Sept. 28.
- Jensen, Bergitte A.: *See*—
Peacock, Arnold L., and Jensen.
- Jensen, Cyril D.: *See*—
Ronay, Bela, and Jensen.
- Jensen, Deane L., Blair, assignor to Farnam Company, Omaha, Nebr. Currying machine. 2,456,197, Dec. 14.
- Jensen, Frants V., assignor to Jensen Specialties, Inc., Detroit, Mich. Oven with infrared lamp. 2,439,005, Apr. 6.
- Jensen, Herbert R., Washington, D. C. Ventilating body or screen. 2,441,819, May 18.
- Jensen, Lawrence R.: *See*—
Moyer, Stanley H., and Jensen.
- Jensen, Paul J., assignor to Niemand Bros. Inc., Long Island City, N. Y. Container. 2,446,422, Aug. 3.
- Jensen, Raymond W., assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Thermostatic shutter control and surge protection. 2,437,961, Mar. 16.
- Jensen, Richard C., Scotia, N. Y., assignor to General Electric Company. Pulse generator. 2,440,547, Apr. 27.
- Jensen Specialties, Inc., assignee: *See*—
Jensen, Frants V.
- Jensen, Theodore E., Albany, N. Y. Coin tray. 2,448,982, Sept. 7.
- Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Space heater and control means therefor. 2,457,377, Dec. 28.
- Jepson, George N., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,447,943, Aug. 24.
- Jepson, Alfred B.: *See*—
Cooper, James B., and Jepson.
- Jerabek, Robert D.: *See*—
Runk, Robert H., and Jerabek.
- Jergens, Andrew N.: *See*—
Kinney, Aldon M., and Jergens.
- Jerger, Joseph, Ferguson, Mo., assignor to Curtiss-Wright Corporation. Aircraft cabin pressure control. 2,449,231, Sept. 14.
- Jerguson Gage & Valve Company, assignee: *See*—
Winton, Lewis B.
- Jerichow, Walter E.: *See*—
Kephart, C. Paul, and Jerichow.
- Jermyn, Arthur C., Brighton, N. Y. Egg tray for refrigerators. 2,438,443, Mar. 23.
- Jernstedt, George W.: *See*—
Lum, John C., and Jernstedt.
- Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bright alloy plating. 2,435,967, Feb. 17.
- Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating. 2,451,341, Oct. 12.
- Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Corrosion resistant coating for metal surfaces. 2,456,947, Dec. 21.
- Jernstedt, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating. 2,451,340, Oct. 12.
- Jerome, Arthur L.: *See*—
Pascoe, Frank T., and Jerome.
- Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuits for highway crossing signals. 2,439,006, Apr. 6.
- Jerome, Ivan, Mineola, N. Y. Flying fuselage. 2,453,514, Nov. 9.
- Jesevich, John, Jr.: *See*—
Amesbury, Earl M., Franks, and Jesevich.
- Jesionowski, John, Schenectady, N. Y. Work holder. 2,435,888, Feb. 10.

- Jesionowski, Raymond S., assignor to Plax Corporation, Hartford, Conn. Forming slabs of organic plastic material. 2,452,761, Nov. 2.
- Jesse, William P.: *See*—
Broxon, James W., and Jesse.
- Jessen, Arnold H., Los Angeles, Calif. Reversible clutching mechanism. 2,438,216, Mar. 23.
- Jesseph, William R., assignor of one-half to F. E. Wheeler, Buffalo, N. Y. Check protector. 2,442,567, June 1.
- Jessie Underwear Co., assignee: *See*—
Shaw, Joseph P.
- Jessop, Robert E. E., West Vancouver, British Columbia, Canada. Shaft coupling. 2,449,654, Sept. 21.
- Jessup, Alfred C.: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.
- Jeter, Edgar C., Detroit, and R. Korpi, assignors to Ford Motor Company, Dearborn, Mich. Core assembly. 2,442,568, June 1.
- Jewell, Joseph W., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,439,811, Apr. 20.
- Jewell, Joseph W., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Method and apparatus for supplying a slurry. 2,441,820, May 18.
- Jewell, Raymond L.: *See*—
Owens, Neal, and Jewell.
- Jewell, Walter E., Los Angeles, Calif. Shot blasting machine. 2,449,745, Sept. 21.
- Jewer, Allen: *See*—
LaLonde, George J., and Jewer.
- Jiménez, Ramón C., Winthrop, Mass. Heating apparatus for provision for utilizing combustion gases. 2,447,252, Aug. 17.
- Jimopoulos, Sam C., St. Louis, Mo. Air conditioning system. 2,446,593, Aug. 10.
- Jira, Joseph W., Newburgh Heights, Ohio, assignor to Continental Carbon, Inc. Alloy metal film resistor. 2,440,691, May 4.
- Jira, Joseph W., Newburgh Heights, Ohio, assignor to Continental Carbon, Inc. Resistor and making. 2,457,678, Dec. 28.
- Joannides, Christie, Edgware, England. Materials for dental purposes. 2,454,456, Nov. 23.
- Joannides, Christie, Edgware, England. Making dentures. 2,454,457, Nov. 23.
- Jobe, Earl, El Cajon, Calif. Egg case carrier. 2,434,163, Jan. 6.
- Jobson, Frederic H., Jeffersonville, Ga. Artificial minnow. 2,439,391, Apr. 13.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Brush making machine. 2,435,924, Feb. 10.
- Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injection molding machine. 2,456,423, Dec. 14.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric combination lock. 2,436,809, Mar. 2.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Progressive selecting circuit. 2,451,489, Oct. 19.
- Jofeh, Lionel, assignor to A. C. Cossor Limited, London, England. Rectifying network for measuring alternating currents. 2,440,200, Apr. 20.
- Johannessen, John D., U. S. Navy. Coaxial line connector. 2,449,073, Sept. 14.
- Johannson, Oscar K.: *See*—
Hyde, James F., and Johannson.
- Johannson, Oscar K., assignor to Corning Glass Works, Corning, N. Y. Method of preparing base members for dyeing. 2,436,304, Feb. 17.
- Johansen, Harry C., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,451,223, Oct. 12.
- Johanson, Sten: *See*—
Kende, George, and Johanson.
- Johanson, Sten, assignor to Universal Camera Corporation, New York, N. Y. Binocular mount. 2,436,574, Feb. 24.
- Johanson, Tage I.: *See*—
Melander, Karl H. A. and S., and Johanson.
- Johansson, Arthur K. A., Goteborg, Sweden. Machine for pressing grooves in pasteboard sheets. 2,446,594, Aug. 10.
- Johansson, Gustaf E., assignor to Robur Heel Company Aktiebolag, Stockholm, Sweden. Shoe heel with exchangeable heelpiece. 2,440,404, Apr. 27.
- Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Gothenburg, Sweden. Plural fluid turbine combining impulse and reaction blading. 2,435,042, Jan. 27.
- Johansson, Karl L., Hackensack, N. J., assignor to A. Kimball Company, New York, N. Y. Predetermined count control mechanism. 2,441,767, May 18.
- Johes, David G.: *See*—
Bremner, John G. M., Jones, Pearce, and Smith.
- Johndrew, Wilbur, Buffalo, N. Y. Automatic multiple riveter. 2,456,125, Dec. 14.
- Johndrew, Wilbur, Buffalo, N. Y. Auxiliary feeding attachment. 2,456,126, Dec. 14.
- Johndrew, Wilbur, Buffalo, N. Y. Riveting machine. 2,456,127, Dec. 14.
- Johns, Francis J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inductor generator equipment, especially for induction heating. 2,451,954, Oct. 19.
- Johns, Francis J., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frame structure of dynamoelectric machines. 2,454,180, Nov. 16.
- Johns, Henry S., Cleveland Heights, Ohio. Basket. 2,449,899, Sept. 21.
- Johns-Manville Corporation, assignee: *See*—
Colton, Dudley T.
Coss, Harold T., and Powell.
Hawthorne, Louis A.
McDermott, Paul F.
McDermott, Paul F., and Holcomb.
Miller, Morrow C.
Otis, Harold J., and Hesse.
Powell, Edward R.
Rembert, Ernest W.
Van Cleef, Paul, and Chonacki.
- Johnsen, Bjornulf, Summit, N. J., assignor to Leonard P. Frieder, New York, N. Y. Device for launching torpedoes. 2,435,444, Feb. 3.
- Johnson, A. Parley, assignee: *See*—
Harford, Dwight L.
- Johnson, Albert M., assignee, et al.: *See*—
Holmes, Louis W.
- Johnson, Albin, Delmar, N. Y., assignor, by mesne assignments, to Tek Hughes, Inc. Nitromethane-acetone-adipic acid condensation polymer. 2,444,827, July 6.
- Johnson, Albin E.: *See*—
Johnson, Edwin T. and A. E.
- Johnson, Alden M., Santa Barbara, Calif. Bobby pin opener. 2,438,172, Mar. 23.
- Johnson, Alfred C., assignor to Elliott Bay Mill Co., Seattle, Wash. Selective transfer apparatus for plywood. 2,434,411, Jan. 13.
- Johnson, Algot W., Star Prairie, Wis. Wire reel. 2,441,883, May 18.
- Johnson, Almon A.: *See*—
Lassen, Bivind U., and Johnson.
- Johnson, Almon A., Forest Hills, N. Y. Winch for towing and the like. 2,436,752, Feb. 24.
- Johnson, Andrew T., Las Vegas, Nev. Block molding machine. 2,451,167, Oct. 12.
- Johnson, Arden L., assignor to Vinco Corporation, Detroit, Mich. Apparatus for producing controlled relative motion between tools and workpieces. 2,446,833, Aug. 10.
- Johnson, Arnold E., assignor to Arvey Corporation, Chicago, Ill. Display stand. 2,456,064, Dec. 14.
- Johnson, Arnold E. W., Oak Park, Ill., assignor to International Harvester Company. Shredding and shelled grain saving attachment for corn harvesters. 2,443,039, June 8.
- Johnson, Arnold N.: *See*—
Sconce, James S., and Johnson.
- Johnson, Arthur, Headingley, Leeds, and J. B. Speakman, Far Headingley, Leeds, assignors to Alginat Industries Limited, Maidenhead, Berkshire, England. Textile fabric. 2,435,543, Feb. 3.
- Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Automatic toaster. 2,436,575, Feb. 24.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Inc., Richmond, Va. Production of aluminum. 2,451,490, Oct. 19.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Enriching the alumina content of recirculated cryolite fusions in aluminum production. 2,451,491, Oct. 19.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Method and apparatus for enriching the alumina content of cryolite fusions in aluminum production. 2,451,492, Oct. 19.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Enriching the alumina content of cryolite fusions in aluminum production. 2,451,493, Oct. 19.
- Johnson, Arthur F., Longview, Wash., assignor to Reynolds Metals Company, Richmond, Va. Enriching alumina content of cryolite fusions. 2,451,494, Oct. 19.
- Johnson, Arthur O., Altoona, Pa. Locomotive throttle valve. 2,443,860, June 22.
- Johnson, Arvin C., and C. C. Oliver, New Orleans, La. Freezing mold for ice sticks. 2,434,803, Jan. 20.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerator liner evaporator. 2,451,744, Oct. 19.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,457,561, Dec. 28.
- Johnson, Birger L., Bozeman, Mont. Paint and varnish scraper. 2,434,244, Jan. 13.
- Johnson, Bror A.: *See*—
Olson, Robert V., and Johnson.
- Johnson, Bruce W., Rockford, Ill., and A. D. Bullerjahn, Milwaukee, Wis., assignors to Automatic Pump & Softener Corporation, Rockford, Ill. Multiple port valve structure. 2,451,678, Oct. 19.
- Johnson, Carl E., assignor to Standard Oil Company, Chicago, Ill. Extraction of oxygenated organic compounds from aqueous solutions thereof. 2,446,231, Aug. 3.
- Johnson, Carl E., Alhambra, Calif. Crate for water bottles or acid carboys. 2,452,195, Oct. 26.
- Johnson, Carl O.: *See*—
Barnard, Harlin W., Johnson, and Carey.

Johnson, Carl V.: *See—*

Doyle, Irving W., and Johnson.

Johnson, Carl W., Brooklyn, and J. A. Neumair, Hollis, N. Y., assignors to American Machine and Foundry Company. Button sewing machine and sewing buttons. 2,451,495, Oct. 19.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Dental chair unit. 2,449,385, Sept. 14.

Johnson, Charles B., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Valve stop collar. 2,448,529, Sept. 7.

Johnson, Charles E., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,452,128, Oct. 26.

Johnson, Charles E., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Re-lasting machine. 2,453,228, Nov. 9.

Johnson, Charles J., Sacramento, and F. E. King, Woodland, Calif. Hydraulic motor with pistol grip handle and trigger actuated valve. 2,446,011, July 27.

Johnson, Charles P.: *See—*
Sporing, Percy A., and Johnson.

Johnson, Charles W., East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Putty composition comprising a polymethacrylate and filler. 2,433,910, Jan. 6.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,434,853, Jan. 20.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Fluid flow regulator. 2,438,973, Apr. 6.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Gas analyzer. 2,449,485, Sept. 14.

Johnson, Clarence, South Euclid, H. H. Gorrie, Cleveland Heights, and P. S. Dickey, East Cleveland, Ohio, assignors to Bailey Meter Company. Measuring and controlling apparatus. 2,444,101, June 29.

Johnson, Clarence K., assignor to Electric Steel Foundry, Portland, Oreg. Pintle chain. 2,452,242, Oct. 26.

Johnson, Clarence L., Encino, and R. R. Richolt, Tujunga, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Booster type servomotor system. 2,437,536, Mar. 9.

Johnson, Cloyd B., Tulsa, Okla. Snatch block. 2,449,703, Sept. 21.

Johnson, Curtis H., San Marino, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Elimination of periodic stray signals from seismic signals. 2,438,217, Mar. 23.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Push-pull selector switch. 2,451,224, Oct. 12.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Selector switch. 2,451,225, Oct. 12.

Johnson, Earl E., Freehold, N. J. Drinking fountain. 2,452,305, Oct. 26.

Johnson, Edward B., Grand Rapids, Mich. Key locking mechanism. 2,451,090, Oct. 12.

Johnson, Edward H., assignor to The Keelavite Company Limited, Allesley, Coventry, England. Rotary fluid pressure motor, pump and the like. 2,442,130, May 25.

Johnson, Edwin T. and A. E., Walcott, N. Dak. Grain elevator and treating apparatus. 2,453,016, Nov. 2.

Johnson, Eric J., assignor to Deere & Company, Moline, Ill. Thresher concave with rubber threshing bars. 2,457,680, Dec. 28.

Johnson, Ernest B., Shreveport, La. Spreading tool. 2,443,824, June 22.

Johnson, Ernest F.: *See—*

Newman, Henry J., and Johnson.

Johnson, Ernest O., Haddonfield, N. J., assignor to Radio Corporation of America. Lightning arrestor for television transmission lines, etc. 2,440,748, May 4.

Johnson, Ernest W., Birmingham, assignor to Vandervell Products Limited, London, England. Shock absorber. 2,450,731, Oct. 5.

Johnson, Ervin G., Eureka, assignor of one-half to O. C. Whisman, Oakland, Calif. Convertible folder and manuscript cover. 2,445,671, July 20.

Johnson, Ethel H., executrix: *See—*
Johnson, John.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis with fluidized catalyst regeneration. 2,447,505, Aug. 24.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Synthesis of hydrocarbons and regeneration of synthesis catalyst. 2,455,419, Dec. 7.

Johnson, Fleming W., assignor to International Detrola Corporation, Detroit, Mich. Method of and device for wrapping wire on terminals. 2,457,475, Dec. 28.

Johnson, Francis, Detroit, Mich. Door and closure holder. 2,449,386, Sept. 14.

Johnson, Francis B., Wayne, Mich., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane hinge connection. 2,445,399, July 20.

Johnson, Frank B., Baton Rouge, La., assignor to Standard Oil Development Company. Powdered catalyst process. 2,441,666, May 18.

Johnson, Frank B., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable rotary operative fastener. 2,456,559, Dec. 14.

Johnson, Frank H., Princeton, N. J., assignor to United States of America, as represented by the Secretary of War. Nephelometer for assaying penicillin. 2,436,145, Feb. 17.

Johnson, Frank I., Rockford, Ill. Combination of cabinet and rotary phonograph support. 2,441,575, May 18.

Johnson, Fred H., Pleasant Ridge, Mich. Welding apparatus. 2,446,932, Aug. 10.

Johnson, Fred H., Pleasant Ridge, and C. F. Leathers, said Leathers assignor to Progressive Welder Company, Detroit, Mich. Direct-current apparatus for welding utilizing energy storage apparatus. 2,452,573, Nov. 2.

Johnson, Frederick D., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Tubular elastic brace. 2,435,007, Jan. 27.

Johnson Gage Company, assignee: *See—*
Moore, William C.

Johnson, George H., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Self-tipping conveyer bucket. 2,452,243, Oct. 26.

Johnson, George L., assignor of one-fourth to F. J. Helde-man, Detroit, Mich. Special purpose file. 2,455,064, Nov. 30.

Johnson, George L., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,444,258, June 29.

Johnson, George L., New York, N. Y., and W. A. Hagerbaumer, Westfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process for cracking hydrocarbons and apparatus therefor. 2,444,650, July 6.

Johnson, George V., assignor to Hyster Company, Portland, Oreg. Muffler for internal-combustion engines. 2,456,512, Dec. 14.

Johnson, Gladwin E., Chicago, Ill. Toy. 2,443,354, June 15.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Grinding machine. 2,434,245, Jan. 13.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Making antifriction bearing assemblies. 2,449,942, Sept. 21.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Making antifriction bearings. 2,449,943, Sept. 21.

Johnson, Glen F., assignor to Bower Roller Bearing Company, Detroit, Mich. Assembling roller bearings and lock rings therefor. 2,449,944, Sept. 21.

Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Liner hanger. 2,442,544, June 1.

Johnson, Gordon, Company, assignee: *See—*
Johnson, Gordon W.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry plucking machine. 2,436,214, Feb. 17.

Johnson, Gordon W., Overland Park, Kans., assignor to Gordon Johnson Company, Kansas City, Mo. Poultry shackle. 2,438,608, Mar. 30.

Johnson, Gordon W., Overland Park, Kans., assignor to Gordon Johnson Company, Kansas City, Mo. Egg drying apparatus with conveyor providing zigzag paths. 2,441,884, May 18.

Johnson, Halex, Jackson Heights, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder. 2,448,983, Sept. 7.

Johnson, Harold G.: *See—*

Adler, Leon, Johnson, and Schneider.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Treatment of fermentation liquors. 2,443,825, June 22.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitro amines and preparing same. 2,447,653, Aug. 24.

Johnson, Harold G., assignor to Commercial Solvents Corporation, Terre Haute, Ind. 2-amino-2-alkyl-N,N'-diaryl-1,3 propane diamines and process for making. 2,452,535, Nov. 2.

Johnson, Harold S., Altadena, Calif. Electrical clip. 2,444,229, June 29.

Johnson, Harry H., Brookline, Mass. Shoe with shank spring and stiffener. 2,442,007, May 25.

Johnson, Harry R., Fort Atkinson, Wis., assignor to Hot-point Inc. Oven door. 2,447,341, Aug. 17.

Johnson, Henry A., assignee: *See—*
Snyder, Rudolph M.

Johnson, Henry A., Kansas City, Mo. Collapsible container. 2,455,124, Nov. 30.

Johnson, Herbert L., Norwood, assignor to Sun Oil Company, Philadelphia, Pa. Low temperature polymerization of olefinic hydrocarbons. 2,438,340, Mar. 23.

Johnson, Herbert L., Peabody, Mass. Tube forming device. 2,454,282, Nov. 23.

Johnson, Herman K., Grand Haven, Mich., assignor to The Bastian-Blessing Company, Chicago, Ill. Refrigerator and maintaining the compartments thereof at different temperatures. 2,437,257, Mar. 9.

Johnson, Howard A., Melrose, Mass., assignor to General Electric Company. Centrifugal compressor. 2,435,836, Feb. 10.

Johnson, Howard F.: *See—*

Elmes, John A., and Johnson.

- Johnson, Hugh B., Falls Church, Va., and L. L. Werner, Washington, D. C. Hermetically sealed joint. 2,448,031, Aug. 31.
- Johnson, Ivar W.: *See*—
Deitz, Le Roy, and Johnson.
- Johnson, James M., New York, N. Y., assignor to Nostril Inc. Increasing adhesion of bituminous materials to mineral aggregate. 2,438,318, Mar. 23.
- Johnson, James O., Lewisberry, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,452,932, Nov. 2.
- Johnson, James P., Shaker Heights, Ohio. Slidable abutment rotary pump. 2,452,467, Oct. 26.
- Johnson, James P., Shaker Heights, Ohio. Reciprocating abutment fluid pump. 2,452,468, Oct. 26.
- Johnson, James P., Shaker Heights, Ohio. Seal. 2,452,469, Oct. 26.
- Johnson, James P., Shaker Heights, Ohio. Distributing device. 2,452,470, Oct. 26.
- Johnson, Jeners S., Los Angeles, Calif. Engine nacelle construction. 2,438,806, Mar. 30.
- Johnson, Joel R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Induction heating apparatus. 2,439,517, Apr. 13.
- Johnson, John, assignor to Combined Optical Industries Limited, Slough, England. Apparatus for the manufacture of lenses. 2,443,826, June 22.
- Johnson, John, deceased, by E. H. Johnson, executrix, assignor to J. E. Johnson, Morristown, N. J. Mixer. 2,450,802, Oct. 5.
- Johnson, John A., assignor to Art Metal Construction Company, Jamestown, N. Y. Paper file. 2,448,435, Aug. 31.
- Johnson, John A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Jet propulsion unit. 2,443,250, June 15.
- Johnson, John B.: *See*—
Briggs, Howard B., Johnson, and Mason.
- Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for ionic discharge coating. 2,434,930, Jan. 27.
- Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for ionic discharge coating. 2,434,931, Jan. 27.
- Johnson, John E., assignee: *See*—
Johnson, John.
- Johnson, John E., West Hartford, assignor to National Sherardizing and Machine Company, Hartford, Conn. Air-bag cleaning and buffing machine. 2,449,387, Sept. 14.
- Johnson, John M., and B. P. Leaf, Lindsborg, Kans. Mechanism for straightening automobile fenders. 2,442,604, June 1.
- Johnson, John P., and L. C. Teague, Dallas, Tex. Garment hanger support. 2,453,919, Nov. 16.
- Johnson, John S., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Corona elimination in generator end-windings. 2,436,306, Feb. 17.
- Johnson & Johnson, assignee: *See*—
Davis, Herbert L., and Hervey.
Goldman, Maurice A.
Loveland, Robert.
Ross, Samuel L.
Sheiton, Elbert M., and Thompson.
- Johnson, Keith W., Arlington County, Va. Key ring. 2,451,091, Oct. 12.
- Johnson, Lambert L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Voltage regulator. 2,443,006, June 8.
- Johnson, Lauren L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric heating system for a plurality of objects, responsive to temperature and position thereof. 2,440,476, Apr. 27.
- Johnson, Lester M.: *See*—
Edwards, Miles L., MacBaine, and Johnson.
- Johnson, Lloyd E., Fond du Lac Township, Tazewell County, Ill., assignor to Caterpillar Co., San Leandro, Calif. Fuel injection mechanism. 2,449,120, Sept. 14.
- Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Pipe anchor. 2,454,064, Nov. 16.
- Johnson-March Corporation, The, assignee: *See*—
Kleinicke, Werner E.
- Johnson, Marshal D., assignor of 50 per cent to O. Elmore, Abilene, Tex. Crankshaft dressing tool. 2,453,797, Nov. 16.
- Johnson, Matthey & Company Limited, assignee: *See*—
Kerridge, Frank E.
- Johnson, Merriam E.: *See*—
Nagel, Gerhard R., and Johnson.
- Johnson, Moses, Indianapolis, Ind. Foot support. 2,439,625, Apr. 13.
- Johnson, Nels, Lower Merion Township, Montgomery County, and W. E. Bradley, Swarthmore, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Proximity fuse testing apparatus. 2,448,889, Sept. 7.
- Johnson, Nolan L., and J. D'Andrea, Piqua, Ohio. Garbage can cover. 2,447,944, Aug. 24.
- Johnson, Norman A.: *See*—
Park, Arthur D., and Johnson.
- Johnson, Paul A.: *See*—
Gilbert, Joseph A., and Johnson.
- Johnson, Paul A., Kansas City, Mo. Automatic electric fluid heating and cooling system. 2,450,478, Oct. 5.
- Johnson, Paul H., Bartlesville, Okla., and R. R. Parker, Borger, Tex., assignors to Phillips Petroleum Company. Producing aromatic hydrocarbons. 2,439,934, Apr. 20.
- Johnson, Paul H., Jr.: *See*—
Hyman, Mark, Jr., and Johnson.
- Johnson, Paul P., Willoughby, Ohio, assignor to Thompson Products, Inc. Making sheathed valves. 2,450,803, Oct. 5.
- Johnson, Paul W., Hartford, Conn. Pivoted jaw gage. 2,437,160, Mar. 2.
- Johnson Products, Inc., assignee: *See*—
Bergmann, Paul F.
- Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable eccentric. 2,453,072, Nov. 2.
- Johnson, Reynold B., and C. E. Larrabee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Ratio computing phase shift indicator. 2,438,056, Mar. 16.
- Johnson, Richard A., Marion, Ind., assignor to Anaconda Wire and Cable Company. Electric cable. 2,455,773, Dec. 7.
- Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Dehydration process. 2,436,864, Mar. 2.
- Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of tetralol. 2,454,804, Nov. 30.
- Johnson, Robert F., Fort Wayne, Ind., assignor to General Electric Company. Reversible motor. 2,443,459, June 15.
- Johnson, Roy W., Milwaukee, Wis. Combustion responsive fuel control. 2,440,405, Apr. 27.
- Johnson, Roy W., Milwaukee, Wis. Liquid fuel flow control device. 2,445,069, July 13.
- Johnson, Roy W., and C. E. Zarwell, assignors to Automatic Products Company, Milwaukee, Wis. Gas control valve. 2,457,378, Dec. 28.
- Johnson, S. C., & Son, Inc., assignee: *See*—
Bunn, Fred H.
McLoud, Elbert S.
Rood, Clifford T.
Swenson, Oscar J.
Wilder, Edward A.
- Johnson, Sanford, Sioux City, Iowa. Saw jointer. 2,434,164, Jan. 6.
- Johnson, Scott R., and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Water jacketed and ventilated horse. 2,455,774, Dec. 7.
- Johnson, Sigurd W., Minneapolis, and C. G. Zarembinski, St. Paul, Minn. Device for handling, progressing, and turning a wheel-equipped axle. 2,445,436, July 20.
- Johnson, Simon J., assignor to Bigelow-Garvey Lumber Co., Chicago, Ill. Collapsible crate. 2,442,651, June 1.
- Johnson, Stanley G., West Hartford, Conn. Multiple diameter gauge. 2,444,702, July 6.
- Johnson Steel & Wire Company, Inc., assignee: *See*—
Forsman, Gunard.
- Johnson, Theodore B., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,436,305, Feb. 17.
- Johnson, Theodore L., St. Louis, Mo. Molding of hollow articles. 2,456,513, Dec. 14.
- Johnson, Theodore M., Burbank, and E. G. Reed, Los Angeles, Calif. Movable base mounted axially collapsing type tire removing device. 2,439,135, Apr. 6.
- Johnson, Victor S., assignee: *See*—
White, Sidney Y.
- Johnson, Wallace C., Sewickley, assignor to Dravo Corporation, Pittsburgh, Pa. Arc welding apparatus. 2,439,740, Apr. 13.
- Johnson, Wallace J. S., and T. H. Harvey, Berkeley, Calif.; said Harvey assignor to said Johnson. Portable and collapsible scaffolding unit. 2,438,173, Mar. 23.
- Johnson, Walter F., Cincinnati, Ohio. Panel and trim mounting. 2,454,066, Nov. 16.
- Johnson, Wesley A., Augusta, Ga. Simulated baseball playing machine. 2,454,065, Nov. 16.
- Johnson, Wilber M., Cleveland Heights, Ohio, and L. W. Cook, Stratford, Conn., assignors to General Electric Company. Control switch for discharge lamps. 2,434,768, Jan. 20.
- Johnson, Wilfrid E., Marblehead, Mass., assignor to General Electric Company. Supercharger control system. 2,451,835, Oct. 19.
- Johnson, William A., Smithfield, and E. E. Moore, Fort Worth, Tex.; said Johnson assignor to said Moore. Locking device for truck and trailer doors. 2,452,521, Oct. 26.
- Johnson, William C., assignor to Pfister and Vogel Tanning Company, Milwaukee, Wis. Machine for brushing and cleaning plates. 2,439,305, Apr. 6.
- Johnson, William L., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Preparation of acetylbutyrolactone. 2,443,827, June 22.
- Johnson, William P., Oswego, Oreg. Saw clamp. 2,434,568, Jan. 13.
- Johnson, William R., Seattle, Wash. Decoy. 2,435,083, Jan. 27.

- Johnson, Willis P., Greenwood, Miss. Operating means for seed dropping devices. 2,441,072, May 4.
- Johnson, Winford B.: *See*—
Wester, Alfred B., Burrows, and Johnson.
- Johnsson, John, assignor to Belleruds Aktiebolag, Saffle, Sweden. Bag. 2,444,891, July 6.
- Johnston, Derland, Evanston, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Diazotype light-sensitive materials. 2,456,514, Dec. 14.
- Johnston, Frederick L.: *See*—
Howk, Benjamin W., and Johnston.
- Johnston, John S., Trenton, N. J. Garment hanger. 2,435,084, Jan. 27.
- Johnston, Leith, Park Ridge, Ill. Lead through terminal. 2,433,911, Jan. 6.
- Johnston, Loreene, Cleveland, Ohio. Descent retarder. 2,445,400, July 20.
- Johnston, Loyal L., Zellenople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Molding machine. 2,438,218, Mar. 23.
- Johnston, Loyal L., Zellenople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Apparatus for forming molds for centrifugal casting and centrifugally casting products therein. 2,449,900, Sept. 21.
- Johnston, Ralph J., and A. R. Novotney, Pontiac, Mich. Internal-combustion engine. 2,455,775, Dec. 7.
- Johnston, Robert C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Projection light source for photographic devices. 2,438,219, Mar. 23.
- Johnston, Stephen E., Azusa, Calif. Salmon egg dispenser. 2,443,861, June 22.
- Johnston, William A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple buck pressing machine. 2,441,358, May 11.
- Johnston, William B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation products of polyhydroxy alkylamines with aldehydes. 2,448,890, Sept. 7.
- Johnston, William E., assignee: *See*—
Gabbert, Ferdinand A.
- Johnstone, George K., assignor to J. H. Carruthers & Company Limited, Glasgow, Scotland. Slide valve assembly for the fluid pressure power cylinders of duplex reciprocators. 2,437,854, Mar. 16.
- Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Synthetic drying oils. 2,440,477, Apr. 27.
- Jolivet, Andre: *See*—
Brandenburg, André, and Jolivet.
- Jolles, Zvi E.: *See*—
Jacobs, Barbara R., and Jolles.
- Jolley, Duane L.: *See*—
Jolley, Leland D., and D. L.
- Jolley, Leland D. and D. L., Provo, Utah. Auto prowler alarm. 2,448,597, Sept. 7.
- Jolly, Carl H., U. S. Navy. Rocket launching device. 2,451,745, Oct. 19.
- Jolly, James, Blackpool, England. Rotary engine. 2,445,222, July 13.
- Jonas, Frank D., East Williston, assignor to Oxford Filling Supply Co. Inc., Brooklyn, N. Y. Automatic locking drum file. 2,447,253, Aug. 17.
- Jonas & Naumburg Corporation, assignee: *See*—
Naumburg, Robert E.
- Jonas Woodhead & Sons Limited, assignee: *See*—
Berry, Walter R.
- Jones, Albert R., assignee: *See*—
Haden, Raymond L.
- Jones, Albert S., Dudley, and G. B. Stackpole, Oxford, Mass., assignors to Cranston Print Works Company, Cranston, R. I. Producing printed fabrics. 2,454,391, Nov. 23.
- Jones, Alex., Lyman, S. C. Fire net for buildings. 2,450,595, Oct. 5.
- Jones, Allen R., Elizabeth, N. J., assignor to Standard Oil Development Company. Chemical composition. 2,447,615, Aug. 24.
- Jones, Alton L.: *See*—
Harner, Harold R., Lindemuth, and Jones.
- Jones, Alun R., Los Altos, and B. C. Look, Jr., Palo Alto, Calif. Coupling assembly. 2,456,636, Dec. 21.
- Jones, Bert R., West Haven, Conn. Anchors for lading retaining bands for one-top railway cars. 2,449,300, Sept. 14.
- Jones, Burr W., Rochester, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,457,239, Dec. 28.
- Jones, Charles A., assignor to Jones Manufacturing Company, Limited, North Easthope Township, Ontario, Canada. Adjustable cycle saddle. 2,446,933, Aug. 10.
- Jones, Charles C., Miami, Fla. Railroad tie. 2,453,132, Nov. 9.
- Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Index guide. 2,435,221, Feb. 3.
- Jones, Charles Y., Carlisle, Pa. Global wheel. 2,448,222, Aug. 31.
- Jones, Chase B., Waltham, Mass., and D. K. Mecham, Richmond, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Dispersing keratin proteins with amides and the composition resulting therefrom. 2,445,028, July 13.
- Jones, Chase B., Waltham, Mass., and D. K. Mecham, Richmond, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Dispersing keratin protein with ammonium thiocyanate and the composition resulting therefrom. 2,445,029, July 13.
- Jones, Chase B., and D. K. Mecham, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Dispersing keratin proteins and the composition resulting therefrom. 2,447,860, Aug. 24.
- Jones, David D.: *See*—
Edwards, Karl C., and Jones.
- Jones, David D., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Extruding apparatus. 2,438,974, Apr. 6.
- Jones, David G.: *See*—
Bremner, John G. M., and Jones.
- Jones, David G., and J. G. M. Bremner, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Halogenated pyran compounds and production thereof. 2,455,776, Dec. 7.
- Jones, David Gwyn: *See*—
Bremner, John G. M., and Jones.
- Jones, Dedger, Columbus, Ohio, assignor to Curtiss-Wright Corporation. Combined drill and deburring tool. 2,437,822, Mar. 16.
- Jones, Donald S., Ellwood City, Pa. Utility holder. 2,451,092, Oct. 12.
- Jones, Dwight E.: *See*—
Messenger, William, and Jones.
- Jones, E. D., Grand Junction, Tenn. Rail tool. 2,449,232, Sept. 14.
- Jones, E. D., & Sons Company, assignee: *See*—
Messenger, William, and Jones.
- Jones, Earl P., assignor to Gate City Sash and Door Company, Fort Lauderdale, Fla. Window structures. 2,442,363, June 1.
- Jones, Earl R.: *See*—
Du Pont, James Q., and Jones.
- Jones, Earle A., Electra, Tex. Trailer hitch. 2,448,436, Aug. 31.
- Jones, Edgar J., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Ship-ring structure. 2,453,073, Nov. 2.
- Jones, Edward L.: *See*—
Lepsoe, Robert, and Jones.
- Jones, Edward M., assignor to The Baldwin Company, Cincinnati, Ohio. Generation of tones in photoelectric musical instruments. 2,439,392, Apr. 13.
- Jones, Edwin P., Salinas, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture. Recovering rubber from guayule shrub. 2,434,412, Jan. 13.
- Jones, Eldon M., and A. L. Rawlins, Grosse Pointe Woods, and J. H. Burckhalter and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Amino methyl phenols. 2,441,576, May 18.
- Jones, Elwyn: *See*—
Flanders, John S., and Jones.
- Jones, Elwyn, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Delay action initiator for explosive charges. 2,455,336, Nov. 30.
- Jones, Frank A., Bristol, Tenn., assignor to H. M. Daniel, Bristol, Va. Equalizing spring suspension for tandem axle vehicles. 2,446,877, Aug. 10.
- Jones, Frank D.: *See*—
West, James R., and Jones.
- Jones, Frank D., and M. H. Tuft, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Side delivery rake. 2,436,475, Feb. 24.
- Jones, Frank D., and L. G. Cheatum, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Power belt retaining device. 2,452,306, Oct. 26.
- Jones, Frank E., assignor to The Jones Metal Products Company, West Lafayette, Ohio. Conveyor system. 2,447,072, Aug. 17.
- Jones, Frank L., Millbank, London, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Spark gap. 2,449,967, Sept. 21.
- Jones, Frank L., Millbank, London, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Spark gap. 2,457,102, Dec. 21.
- Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Isoprene esters. 2,437,258, Mar. 9.
- Jones, Franklin D., Upper Darby, assignor to American Chemical Paint Company, Ambler, Pa. Tetralyl compounds. 2,438,751, Mar. 30.
- Jones, Fred C., Teaneck, assignor to Ralph B. Carter Company, Hackensack, N. J. Centrifugal pump. 2,451,030, Oct. 12.
- Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. Removable cooling unit for compartments. Re. 23,000, May 11.
- Jones, George E., London, England. Clutch and brake mechanism. 2,439,134, Apr. 6.
- Jones, George E., Weston-super-Mare, England. Hypodermic ampoule syringe. 2,456,001, Dec. 14.

- Jones, George M., Jenkintown Manor, assignor to Luxor Corporation, Philadelphia, Pa. Knife sharpener. 2,436,810, Mar. 2.
- Jones, Graves M., Beaumont, Tex., and O. A. Akin, New Orleans, La. System for visual code signaling. 2,436,516, Feb. 24.
- Jones, Grenville E.: *See*—
Travilla, James C., Jr., Jones, and Stein.
- Jones, Grinnell, Cambridge, W. Juda, Belmont, and S. Soll, Boston, Mass., assignors, by mesne assignments, to Albi Manufacturing Co., Incorporated. Fire-retardant composition and process. 2,452,054, Oct. 26.
- Jones, Grinnell, W. Juda, Cambridge, and S. Soll, Borton, Mass., assignors, by mesne assignments, to Albi Manufacturing Co., Incorporated. Amylaceous fire-retardant composition. 2,452,055, Oct. 26.
- Jones, Guy A., Long Beach, Calif., assignor to Eaton Pump Manufacturing Company, Inc. Rotary vane pump. 2,452,471, Oct. 26.
- Jones, Harry R., assignor to Continental Oil Company, Ponca City, Okla. Valve assembly. 2,444,703, July 6.
- Jones, Harry S., Chicago, Ill. Therapeutic device. 2,447,123, Aug. 17.
- Jones, Harry S., East Orange, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Safety control system for fuel burners. 2,435,940, Feb. 10.
- Jones, Harry S., East Orange, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Selective signalling. 2,441,359, May 11.
- Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,436,720, Feb. 24.
- Jones, Harry S., East Orange, and W. B. M. Clark, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Motion seal. 2,453,324, Nov. 9.
- Jones, Henry F., Pittsfield, Mass., assignor to General Electric Company. Modified silicone compositions. 2,448,530, Sept. 7.
- Jones, Herbert C.: *See*—
Jacobs, Irvin N., and Jones.
- Jones, Homer W., Westfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe apparatus. 2,456,784, Dec. 21.
- Jones, Ira M., assignee: *See*—
Brooks, Lewis C.
Cryns, Max P.
- Jones, James R., Jenkintown, Pa., assignor to Paulsboro Manufacturing Company. Floor covering. 2,455,777, Dec. 7.
- Jones, Jesse E., and O. P. Proudfoot, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Variable voltage system of motor control. 2,441,271, May 11.
- Jones, Jesse M., assignor to Charles R. Hadley Company, Los Angeles, Calif. Accounting board. 2,435,684, Feb. 10.
- Jones, John E., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Alkyl cellulose stabilized with an N,N, di-alkylated diamine. 2,438,975, Apr. 6.
- Jones, John J., Collingdale, Pa. Sliding focal plane shutter for cameras. 2,457,679, Dec. 28.
- Jones, John L., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Copolymer of styrene with an ester of an unsaturated dicarboxylic acid and an hydroxy acid esterified with an unsaturated alcohol. 2,443,915, June 22.
- Jones, John P., Omaha, Neb., assignor to Dairy Specialties, Inc. Paper bottle tap. 2,453,133, Nov. 9.
- Jones, John P., Toronto, Ontario, Canada. Manufacturing diamond studded tools. 2,457,156, Dec. 28.
- Jones, Kenneth W., Enfield, assignor to K. Warner-Jones and Company Limited, London, England. Gear drive for printing and other machines. 2,449,852, Sept. 21.
- Jones & Lamson Machine Company, assignee: *See*—
Fersing, Leif.
Gamble, Ralph M.
Tancred, William L.
- Jones & Laughlin Steel Corporation, assignee: *See*—
Banta, Henry M.
Black, William E.
Kaufman, George A.
- Jones, Leo D., assignor to The Sharples Corporation, Philadelphia, Pa. Sealing means for feed and discharge conduits of centrifugal separator bowls. 2,435,941, Feb. 10.
- Jones, Lester L., Oradell, assignor to Conmar Products Corporation, Newark, N. J. Winglock slider for slide fasteners. 2,455,178, Nov. 30.
- Jones, Lewis R.: *See*—
Cogevan, Edward J., and Jones.
- Jones, Lloyd E., assignor to Graham Transmissions Inc., Milwaukee, Wis. Variable-speed transmission. 2,448,598, Sept. 7.
- Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Welding seam portions of electrically conducting articles. 2,452,574, Nov. 2.
- Jones, M. Brian, assignee: *See*—
Thompson, Roy S.
- Jones, Mack C., Haddon Heights, and L. E. Matson, Jr., Collingswood, N. J., assignors to Radio Corporation of America. Shaping circuit for cathode beam tubes. 2,444,651, July 6.
- Jones Manufacturing Company, Limited, assignee: *See*—
Jones, Charles A.
- Jones, Margaret M., Kingsville, Tex. Dog boot. 2,446,371, Aug. 3.
- Jones, Martin L., Baltimore, Md. Antenna pattern tracer. 2,450,283, Sept. 28.
- Jones Metal Products Company, The, assignee: *See*—
Jones, Frank E.
- Jones, Minor C. K., Mountainside, N. J., assignor to Standard Oil Development Company. Utilizing a fuel gas in refining a petroleum fraction. 2,440,673, May 4.
- Jones, Minor C. K., Mountainside, and E. R. Retailiau, Cranford, N. J., assignors to Standard Oil Development Company. Removing diolefins from an olefinic feed stock. 2,438,444, Mar. 23.
- Jones, Minor C. K., Mountainside, and E. C. Eulhardt, Union, N. J., assignors to Standard Oil Development Company. Distillation of acid-treated oils. 2,455,679, Dec. 7.
- Jones, Nelson A., Catawissa, Pa. Coupling unit. 2,449,121, Sept. 14.
- Jones, Oscar S., assignor of one-third to R. F. Edwards, Chicago, Ill. Dental plate container. 2,444,294, June 29.
- Jones, Oscar V., Dallas, Tex. Linked jaw pipe wrench with adjustable link pivot. 2,448,221, Aug. 31.
- Jones, Peter P., New York, N. Y. Light projector. 2,440,955, May 4.
- Jones, Philip, Los Angeles, Calif. Inclinator. 2,449,704, Sept. 21.
- Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Stage education of oil shale. 2,435,746, Feb. 10.
- Jones, Ralph W., Sr., assignee: *See*—
Jones, Robert M.
- Jones, Ray D., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,450,664, Oct. 5.
- Jones, Reuben G.: *See*—
Behrens, Otto K., and Jones.
Behrens, Otto K., Jones, and Corse.
Behrens, Otto K., Jones, and Soper.
- Jones, Richard, assignor to Walt Disney Productions, Burbank, Calif. Sound picture magazine projector of the continuously moving film type. 2,449,705, Sept. 21.
- Jones, Robert M., Bellevue, Neb., assignor to R. W. Jones, Sr., St. Paul, Minn. Drill press. 2,436,964, Mar. 2.
- Jones, Robert T., Hilton Village, Va. Control surfaces with beveled trailing edge. 2,441,151, May 11.
- Jones, Ruel C.: *See*—
Whittaker, Charles C., and Jones.
- Jones, Samuel F.: *See*—
Freel, William Glidden and Jones.
- Jones, Theodore C., Louisville, Ky. Galvanic water processing apparatus. 2,449,706, Sept. 21.
- Jones, Thomas R., Woodbridge, and N. R. Bierly, Avenel, N. J., assignors to The American Metal Company, Limited, New York, N. Y. Indium electroplating. 2,439,935, Apr. 20.
- Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Rotary type shiftable fastener. 2,439,975, Apr. 20.
- Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for fastener attaching means. 2,453,990, Nov. 16.
- Jones, Welton P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigeration apparatus having frost localizing means. 2,442,978, June 8.
- Jones, William A., assignor to Continental Oil Company, Ponca City, Okla. Addition agent for lubricants. 2,455,337, Nov. 30.
- Jones, William C., London, and L. S. Richards, Solihull, near Birmingham, assignors to Scaffolding (Great Britain) Limited, Saunderton, England. Metal tubular scaffolding. 2,446,372, Aug. 3.
- Jones, William E., Champaign, Ill. Universal crankshaft bearing hone. 2,434,769, Jan. 20.
- Jones, William H., Kansas City, Mo. Electrical duck decoy. 2,443,040, June 8.
- Jones, William O., Baltimore, Md. Heart testing machine of a beam reflector type. 2,445,672, July 20.
- Jones, William R., Cleveland, Ohio. Broiler compartment. 2,447,184, Aug. 17.
- Jonette, Charles, Dawson City, Yukon, Canada. Ski brake. 2,456,002, Dec. 14.
- Jonker, Johan L. H.: *See*—
Lemmens, Hendricus J., Jonker, and van Steenis.
- Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrode structure for multigrad electron discharge tubes. 2,444,740, July 6.
- Jonkhoff, Henri W., assignee: *See*—
Hekman, Edsko and L. H.
- Jonkhoff, Henri W., New York, N. Y. Wheeled carriage for vehicles. 2,437,823, Mar. 16.
- Joppich, Max A., and W. Joure, Detroit, Mich. Beverage mixing and dispensing device. 2,452,933, Nov. 2.
- Jordain, Louis D., assignor of one-third to A. I. Fleming, Princeton, Ill., and one-third to H. E. Wagner, New York, N. Y. Preparing paper pulp from marsh reeds. 2,444,047, June 29.
- Jordan, Arthur H., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,435,281, Feb. 3.

- Jordan, Arthur H., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,451,439, Oct. 12.
- Jordan, Benjamin H., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Tap holder. 2,450,238, Sept. 28.
- Jordan, Clayton E., Prescott, Ariz. Pencil sharpener. 2,439,252, Apr. 6.
- Jordan, Curtis S., Maywood, Calif. Rotary counterbalanced egg-carrier mechanism for classifying eggs according to weight. 2,451,836, Oct. 19.
- Jordan, Ewart L., Rockford, Ill. Sandal type shoe with instep guard. 2,454,181, Nov. 16.
- Jordan, Hans, Los Angeles, assignor to Samuel Given, Beverly Hills, Calif. Garbage disposal device. 2,442,812, June 8.
- Jordan, Homer G., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flume for air laid wire. 2,456,284, Dec. 14.
- Jordan, James D., Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Navy. Fuse. 2,443,041, June 8.
- Jordan, James F., Huntington Park, Calif. Refining tin metal. 2,441,768, May 18.
- Jordan, James F., Huntington Park, Calif. Controlling the flow of metallurgical liquids. 2,457,083, Dec. 21.
- Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency induction heating. 2,444,259, June 29.
- Jordan, Rollie H.: *See*—
Creson, William K., and Jordan.
- Jørgensen, Axel, Aalborg, Denmark. Commodity delivery device for coin-free apparatus. 2,457,778, Dec. 28.
- Jørgensen, Bernhard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,437,696, Mar. 16.
- Jørgensen, Bernhard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,449,122, Sept. 14.
- Jørgensen, Bernhard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fuse setting mechanism for guns. 2,450,553, Oct. 5.
- Jørgensen, Clarence H., and W. H. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,451,205, Oct. 12.
- Jørgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Instrument positioning device. 2,450,554, Oct. 5.
- Jørgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shield for gun mounts. 2,457,240, Dec. 28.
- Jørgensen, Jesse J., Ancon, C. Z. Electric terminal. 2,447,254, Aug. 17.
- Jorgenson, John P., Wilmette, assignor to Kling Bros. Engineering Works, Chicago, Ill. Tumbler. 2,454,392, Nov. 23.
- Josam Manufacturing Company, assignee: *See*—
Grum, Stanley J.
- Joseph, Glenn H.: *See*—
Halliday, Thomas W., and Joseph.
- Joseph, Lawrence E., Fox Chapel Borough, Allegheny County, assignor to Blaw-Knox Company, Pittsburgh, Pa. Charging hopper and door mechanism for rotary drum mixers. 2,447,413, Aug. 17.
- Joseph, Selig, assignor to E. H. Kirk, Los Angeles, Calif. Crutch. 2,442,896, June 8.
- Josephs, Abraham I., New York, N. Y. Interchangeable hat construction. 2,436,434, Feb. 24.
- Josephs, John J., Philadelphia, Pa. Riser. 2,445,619, July 20.
- Joslyn Manufacturing and Supply Company, assignee: *See*—
Yonkers, Edward H.
- Joslyn Mfg. and Supply Co., assignee: *See*—
Smalley, Burt M.
- Yonkers, Edward H.
- Joslyn Manufacturing and Supply Corporation, assignee: *See*—
Yonkers, Edward H.
- Jos-Nic Company, The, assignee: *See*—
Nicolazzo, Joseph J.
- Josselyn, Winsor, U. S. Army, San Francisco, Calif. Hinged handle for utensils. 2,444,447, July 6.
- Jost, Emil, Zurich, Switzerland. Shear head for electric dry shavers. 2,440,586, Apr. 27.
- Jost, Matyas J., assignor to Just Manufacturing Company, Chicago, Ill. Sink. 2,456,065, Dec. 14.
- Jourdain, André P., Brussels, assignor to Compagnie Internationale des Pleux Armés Frankignoul, Société Anonyme, Liege, Belgium. Construction of tight screens. 2,442,605, June 1.
- Jourdain, Felix, and J. Bécche, Vina Del Mar, Chile. Decomposing alkali metal salts. 2,446,595, Aug. 10.
- Joure, Wallace: *See*—
Joppich, Max A., and Joure.
- Journal Box Servicing Corporation, assignee: *See*—
Bissell, William T.
- Jovanovich, Milton: *See*—
Wharam, John J., and Jovanovich.
- Jovanovich, Milton, Detroit, and J. J. Wharam, assignors to Ford Motor Company, Dearborn, Mich. Concentric steering column gearshift. 2,455,179, Nov. 30.
- Joy, Henry W., Yonkers, N. Y. Electrotherapeutical apparatus. 2,452,854, Nov. 2.
- Joy Manufacturing Company, assignee: *See*—
Bartholomew, Warren F.
- Curtis, John C.
- Gartin, Elmer G.
- Hale, Ralph F.
- Johansen, Harry C.
- Osgood, Charles F.
- Paget, Win W.
- Simmons, Leon E.
- Sullinger, Francis E.
- Troller, Theodor H.
- Wineman, Wade H.
- Joy Toys, Inc., assignee: *See*—
McBride, Charles L.
- Joy, William H.: *See*—
Hobourn, Precival L., and Joy.
- Joyce, Asa W.: *See*—
Scalera, Mario, and Joyce.
- Joyce, Atha-Lane, Washington, D. C. Changeable decorative fabric. 2,457,809, Dec. 28.
- Joyce-Cridland Company, The, assignee: *See*—
Copeland, Frank B.
- Joyce, Gracia E., Dixon, Ill. Child's sleeping garment. 2,444,652, July 6.
- Joyce, Inc., assignee: *See*—
Gordon, Hiram, and Free.
- Vacin, Emil F.
- Joyce, Robert M., Jr.: *See*—
Cairns, Thomas L., and Joyce, Jr.
- Hanford, William E., and Joyce.
- Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oils and greases obtained by pyrolysis of tetrafluoroethylene-olefin copolymers. 2,436,069, Feb. 17.
- Joynes, Ernest R., Oakland, Calif. Hole forming device. 2,442,813, June 8.
- Jubanowsky, Louis J., Vaux Hall, assignor to The Baker Castor Oil Company, Jersey City, N. J. Coating and impregnating composition. 2,447,506, Aug. 24.
- Juda, Walter: *See*—
Jones, Grinnell, Juda, and Soll.
- Judd, George E., Fort Myers, Fla. Pulley aligner. 2,435,085, Jan. 27.
- Judd, H. L., Company, assignee: *See*—
Toelle, Walter, and Ulbrich.
- Judelshon, David N., Park Ridge, N. J. Cutting machine. 2,457,310, Dec. 28.
- Juel, Harry N.: *See*—
Schroeder, John A., and Juel.
- Juhasz, James G., Chicago, Ill. Circuit control device. 2,438,609, Mar. 30.
- Juhasz, James G., assignor to Borg-Erickson Corporation, Chicago, Ill. Dial holding means for weighing scales. 2,446,332, Aug. 3.
- Juice Industries, Inc., assignee: *See*—
Nelson, Richard C.
- Julian, George J., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Wrinkle removing device. 2,439,571, Apr. 13.
- Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and H. E. Conde, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Procedure for preparation of progesterone. 2,433,848, Jan. 6.
- Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and E. W. Meyer, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. 3-amino steroids and their preparation. 2,446,538, Aug. 10.
- Julien, Maurice F. A., Toulouse, France. Vehicle chassis bracket structure and wheel suspension and engine connections thereto. 2,439,659, Apr. 13.
- Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Comb and brush set. 2,450,344, Sept. 28.
- Jung, Earl A., assignor to August Feine & Sons Co., Buffalo, N. Y. Steel stairway. 2,448,264, Aug. 31.
- Junge, Arthur J., St. Louis, Mo. Oil thief. 2,447,861, Aug. 24.
- Junker, William O., assignee: *See*—
Lee, William F.
- Junkins, Raymond D., and A. J. Hornfeck, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Tube controlled work and feed motor system. 2,434,854, Jan. 20.
- Juran, Nathan H., Manhattan Beach, Calif. Projection instrument for rectifying oblique photographs. 2,453,134, Nov. 9.
- Juravcoff, Paul: *See*—
Balzi, Clemente, Juravcoff, and Ristenpart.
- Jury, Webster W., Pines Lake, N. J. Extensible support. 2,440,096, Apr. 20.
- Justus, James E., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Control means for diesel-electric locomotives. 2,434,413, Jan. 13.
- Justus, William R., Chicago, Ill. Dispenser for nested or serially arranged articles. 2,443,862, June 22.
- Just Manufacturing Company, assignee: *See*—
Just, Matyas J.
- Justi, H. D., & Son, Inc., assignee: *See*—
Slack, Fred A., Jr.
- Justrite Manufacturing Company, assignee: *See*—
Olsen, Marvin R.
- Jutte, William E., Los Angeles, Calif. Concave hydroplane hull. 2,450,665, Oct. 6.

- Juul, Soren N.: *See*—
Vigmostad, Trygve, and Juul.
- Juvinall, James W., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of electric lamps. 2,434,165, Jan. 6.
- K & B Manufacturing Co., assignee: *See*—
Blake, William P.
- Kaerg, Russell A., St. Louis, and J. S. Harris, Richmond Heights, assignors to Monsanto Chemical Company, St. Louis, Mo. Emulsifiable oils. 2,447,475, Aug. 17.
- Kabitsch, Ruth L.: *See*—
Allen, La Bron R. and J. H., and Kabitsch.
- Kaelin, Gottfried, and C. G. Garey, Sacramento, Calif. Smokehouse rack. 2,440,513, Apr. 27.
- Kaelin, Walter H.: *See*—
Thomas, Robert M., Ostrander, and Kaelin.
- Kaemmerling, Gustav H., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,440,670, Apr. 27.
- Kaemmerling, Gustav H., assignor to Lord Manufacturing Company, Erie, Pa. Rubber mounting. 2,453,991, Nov. 16.
- Kaetker, Howard C., Cincinnati, Ohio. Fishing pole holder. 2,454,458, Nov. 23.
- Kagan, Simon, and I. Rothenberg, New York, N. Y. Shoulder pad and fabricating the same. 2,442,005, May 25.
- Kagel, John T., Sr., Jamaica, N. Y. Unhairing machine. 2,453,229, Nov. 9.
- Kagy, John F., and R. R. McPherson, Long Beach, Calif., assignors to The Dow Chemical Company, Midland, Mich. Protection of crops by soil fumigation. 2,448,265, Aug. 31.
- Kahn, Alfred: *See*—
Shenk, Eugene R., and Kahn.
- Kahn, Earl, Chicago, Ill. Toy bank. 2,439,136, Apr. 6.
- Kahn, Louis M., Bronx, N. Y. Collar holding clasp. 2,446,012, July 27.
- Kahn, Milford L., assignor of one-half to R. N. Kinkella, Chicago, Ill. Inhaler. 2,438,752, Mar. 30.
- Kahn, Robert L., assignee, trustee: *See*—
Bussey, William H.
- Kahn, Robert L., trustee: *See*—
Bussey, William H.
Smith, George G.
- Kahn, Samuel J.: *See*—
Davidson, David, and Kahn.
- Kähr, Gustaf, Stockholm, Sweden. Wooden deck covering on ships. 2,437,095, Mar. 2.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Constant speed propeller simulating means for aviation trainers. 2,439,168, Apr. 6.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer. 2,442,205, May 25.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Magnetic compass indicating system for aviation trainers. 2,445,673, July 20.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer. 2,450,239, Sept. 28.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Radio direction finding means for aviation trainers. 2,450,240, Sept. 28.
- Kais, Achille, Detroit, Mich. Reversible rack and pawl jack. 2,450,596, Oct. 5.
- Kaiser Company, The, assignee: *See*—
Bedford, Clay P.
- Kaiser Fleetwings, Inc., assignee: *See*—
De Ganahl, Carl.
Knox, Thomas.
- Kaiser-Frazier Corporation, assignee: *See*—
McCaslin, Henry C.
- Kaiser, Frederick, Elkins Park, Pa., assignor to Better-Bilt Door Company, Egg Harbor, N. J. Overhead door. 2,436,006, Feb. 17.
- Kaiser, George E., Artesia, N. Mex. Delayed restarting system for polyphase motors. 2,444,295, June 29.
- Kaiser, Lawrence B., Fort Recovery, Ohio. Beet blocking machine. 2,442,814, June 8.
- Kaiser, Otto, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Trisazo urea dyestuffs. 2,435,356, Feb. 3.
- Kaiser, Ralph R., St. Matthews, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Packed fractional distillation column. 2,443,072, June 8.
- Kaiser, William A., Syracuse, N. Y. Electromagnetic drive. 2,449,901, Sept. 21.
- Kalajian, Harry J., assignor to Harley C. Loney Company, Detroit, Mich. Balance weight. 2,442,171, May 25.
- Kalamazoo Stove & Furnace Company, assignee: *See*—
Dadson, Thomas E.
- Kalart Company, Inc., The, assignee: *See*—
Castedello, William.
Schwartz, Morris, and Castedello.
- Kalder, Irving, San Francisco, Calif. Sanitary garter belt. 2,452,129, Oct. 26.
- Kalfen, Zoltan, Chicago, Ill. Electrically heated tool. 2,448,182, Aug. 31.
- Kalff, Louis C., and A. N. Legras, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Portable phonograph. 2,447,999, Aug. 24.
- Kalitsinsky, Andrew: *See*—
Buck, Richard S., and Kalitsinsky.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Pusher installation for turbine-driven propellers. 2,434,319, Jan. 13.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Pressurized protective conduit for hot gas power plants. 2,439,473, Apr. 13.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Arrangement of gas generators and collectors. 2,441,196, May 11.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Spill port control for free-piston units. 2,441,272, May 11.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Spill port control for free-piston units. 2,441,273, May 11.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Compressor piston ring. 2,447,125, Aug. 17.
- Kalitsinsky, Andrew, Eagleville, and D. E. Meitzler, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Fuel control for power plants. 2,447,124, Aug. 17.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Restraining mechanism for free-piston units. 2,453,515, Nov. 9.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Engine control for free-piston units. 2,453,516, Nov. 9.
- Kalix, John, Dayton, Ohio. Mechanism for controlling hydraulic flow. 2,435,968, Feb. 17.
- Kallenbach, Irene, Dayton, Ohio, assignor to V. J. Kallenbach, Erie, Pa. Incision needle. 2,457,379, Dec. 28.
- Kallenbach, Vern J., assignee: *See*—
Kallenbach, Irene.
- Kalman, Anna, executrix: *See*—
Kalman, Nicholas L.
- Kalman, Nicholas L., deceased, Rutherford, by A. Kalman, executrix, Newark, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Treatment of tall oil. 2,441,197, May 11.
- Kalmeyer, Walter J., Glenshaw, Pa., assignor, to Blaw-Knox Company, Pittsburgh, Pa. Swirl-head separator. 2,440,860, May 4.
- Kalning, Frederick E., Quincy, and R. E. Mathewson, Weymouth, assignors to United Mattress Machinery Co., Inc., Quincy, Mass. Apparatus for handling mattresses. 2,444,776, July 6.
- Kalon, Lawrence, Chicago, Ill. Electrical probe. 2,437,697, Mar. 16.
- Kalva Corporation, The, assignee: *See*—
Karnopp, Karl W.
- Kalwo, Ludwig J., Bronx, N. Y., assignor, by mesne assignments, to Kell Lock Co. Inc., Charlestown, N. H. Knob construction for locks. 2,454,927, Nov. 30.
- Kalwo, Ludwig J., Bronx, N. Y., assignor, by mesne assignments, to Kell Lock Co. Inc., Charlestown, N. H. Lock construction. 2,454,928, Nov. 30.
- Kaman Aircraft Corporation, The, assignee: *See*—
Kaman, Charles H.
- Kaman, Charles H., assignor to The Kaman Aircraft Corporation, West Hartford, Conn. Aircraft of rotary wing type. 2,455,866, Dec. 7.
- Kambil, Eduard: *See*—
Hoelzle, Kurt, and Kambil.
- Kamborian, Jacob S., West Newton, Mass. Apparatus for lasting footwear. 2,438,917, Apr. 6.
- Kamborian, Jacob S., West Newton, Mass. Method of and apparatus for use in lasting footwear. 2,438,918, Apr. 6.
- Kamborian, Jacob S., West Newton, Mass. Lasting shoes. 2,438,919, Apr. 6.
- Kamborian, Jacob S., West Newton, Mass. Shoe counter. 2,438,920, Apr. 6.
- Kamborian, Jacob S., West Newton, Mass. Retaining means for expansible lasts. 2,438,921, Apr. 6.
- Kamborian, Jacob S., West Newton, Mass. Force lasted shoes and making same. 2,446,286, Aug. 3.
- Kamborian, Jacob S., West Newton, Mass. Footwear and method of making it. 2,450,666, Oct. 5.
- Kamborian, Jacob S., West Newton, Mass. Method of and apparatus for use in lasting footwear. 2,450,667, Oct. 5.
- Kamin, Charles G., Great Lakes, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating vinyl chloride-containing polymers. 2,441,360, May 11.
- Kaminer, Bernard H., Brooklyn, N. Y. Key case. 2,451,093, Oct. 12.
- Kamlet, Jonas, assignor to Boyle-Midway Inc., New York, N. Y. Stabilized hypochlorite solutions and process therefor. 2,438,781, Mar. 30.
- Kamlet, Jonas, New York, N. Y. Cyclic process for the manufacture of sodium sulfate and chlorine. 2,442,874, June 8.
- Kamlet, Jonas, New York, N. Y. and R. P. Reece, Highland Park, assignor to Thiokol Corporation, Trenton, N. J. Animal feed composition. 2,456,515, Dec. 14.
- Kamlookhine, Igor A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Endless track mechanism. 2,453,750, Nov. 16.
- Kamm, Edmund W. E., and J. J. Delaney, assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Remote inventory control system. 2,445,291, July 13.

- Kamp, Ewald A.: *See*—
Galandak, John, and Kamp.
- Kamp, Ewald A., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Method of and apparatus for the removal of solids from liquids, with a control operating in response to viscosity or pressure. 2,454,653, Nov. 23.
- Kampa, George L., Minneapolis, Minn. Control device for rotary blade units. 2,454,182, Nov. 16.
- Kamper, John S., Demopolis, Ala. Concrete feed and fertilizer mixer. 2,456,285, Dec. 14.
- Kandarian, Samuel M.: *See*—
Baxter, Benjamin, and Kandarian.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Vertical scanning antenna-reflector system. 2,454,805, Nov. 30.
- Kane, Garold A., assignor to The Northern Pump Company, Minneapolis, Minn. Hydraulic hoist system. 2,437,161, Mar. 2.
- Kane, Joseph A., Philadelphia, Pa. Hanger for brooms, tools, and the like. 2,447,862, Aug. 24.
- Kane, Irwin M., Brooklyn, assignor of one-half to C. H. Strange, White Plains, N. Y. Electron tube of the toroidal type. 2,436,649, Feb. 24.
- Kangol Wear Limited, assignee: *See*—
Huber, Gustav.
- Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,438,560, Mar. 30.
- Kannenber, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Planetary gear unit. 2,444,448, July 6.
- Kansas City Testing Laboratory, assignee: *See*—
Cross, Roy.
- Kantola, Carl F., Dumont, N. J. Locomotive tender and water scoop. 2,438,397, Mar. 23.
- Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Mechanism for applying plastic crowns to containers. 2,452,934, Nov. 2.
- Kantor, James, and E. F. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Preparing carbonated beverages. 2,455,681, Dec. 7.
- Kaplan, Abraham, New York, N. Y. Dental appliance. 2,448,437, Aug. 31.
- Kaplan, William, Brooklyn, assignor to Sun Chemical Corporation, New York, N. Y. Manufacture of nitriles. 2,444,828, July 6.
- Kaplan, Murray: *See*—
Frink, Frederick W., and Kaplan.
Richardson, Avery G., and Kaplan.
- Kaplan, Nathan, Freehold, N. J. Bufling wheel. 2,455,680, Dec. 7.
- Kaplan, Philip: *See*—
Henderson, Harold P., and Kaplan.
- Kaplan, William, assignor to Wilbe Research Corporation, Brooklyn, N. Y. Steam sizing machine. 2,457,476, Dec. 28.
- Kapp, Roland, Newark, F. D. Pickel, Bogota, and L. T. Rosenberg, Ridgefield Park, assignors to Nopco Chemical Company, Harrison, N. J. Synthesis of aldehydes and lactones. 2,434,246, Jan. 13.
- Kaprellan, Edward K., Alexandria, Va. Variable field range and view finder. 2,437,032, Mar. 2.
- Karaang, Lawrence B., Santa Maria, Calif. Beet harvesting machine. 2,438,289, Mar. 23.
- Karcher, Harriet G., Snyder, N. Y. Foundation garment. 2,444,829, July 6.
- Kardorff, Leon: *See*—
Yardeny, Michel N., and Kardorff.
- Karey, Remuaid: *See*—
Hackethal, Paul F., and Karey.
- Karge, Maxwell R., Brockport, N. Y. Coolant supplying mechanism for machine tools. 2,437,605, Mar. 9.
- Karge, Maxwell R., Brockport, N. Y. Magnetic hone and lap. 2,443,733, June 22.
- Karlan, Martin M.: *See*—
Eck, Herbert P., Karlan, and Perrucci.
- Karlberg, Arvid E.: *See*—
Goldberg, Herman M., and Karlberg.
- Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Holder for surgical accessories. 2,446,155, July 27.
- Karleen, Edward H., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna drive mechanism. 2,457,562, Dec. 28.
- Karlin, Nathan A., Bridgeport, Conn., assignor to General Electric Company, Clamp. 2,441,420, May 11.
- Karlsson, Per Hilmer, Wellsville, and Ernest A. Lundstrom, Valley Stream, assignors to The Air Preheater Corporation, New York, N. Y. Separately fired preheater for gaseous fluids with recirculation of gases of combustion. 2,440,774, May 4.
- Karlstrom, Adolf M. R., Goteborg, Sweden. Purification of raw water from colloidal humic substances. 2,440,514, Apr. 27.
- Karlström, Fredrik J. R., assignor to Aktiebolaget Electrolux, Stockholm, Sweden. Dishwasher having deflecting recesses in the walls thereof. 2,448,490, Aug. 31.
- Karlström, Hans O.: *See*—
Svensson, Rolf A., and Karlström.
- Karlström, Karl A. S., Gave, Sweden. Device for the fixing of dental apparatus in the cavity of the mouth in a definite position relative to the teeth. 2,434,320, Jan. 13.
- Karnopp, Karl W., assignor to The Kalva Corporation, Waukegan, Ill. Suspending agent for beverages. 2,448,599, Sept. 7.
- Karnowski, John B., Detroit, Mich. Earthworm disgorging device. 2,450,597, Oct. 5.
- Karow, John, De Forest, assignor to S. Quisling, Madison, Wis. Stop light signal device. 2,452,762, Nov. 2.
- Karp, George, Los Angeles, Calif. Inhaler. 2,449,853, Sept. 21.
- Karp, Marvin I., and H. L. Peach, Brooklyn, N. Y. Automatic wire take-up device. 2,440,719, May 4.
- Karpen, S., & Bros., assignee: *See*—
Horner, Kenneth K., and Hiltman.
- Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Derivatives of 3-oxo-4-hydroxy-thiophan and the manufacture thereof. 2,436,865, Mar. 2.
- Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 2-carbalkoxy-3-keto-tetrahydrothiophene product and process. 2,438,807, Mar. 30.
- Karrer, Walter, Riehen near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stable solutions of calcium ascorbate. 2,442,461, June 1.
- Karry, Angelo, Denver, Colo. Cutting board for steam tables. 2,445,915, July 27.
- Karstens, Walter F., Arlington Heights, Ill. Nonskid tire chain. 2,453,325, Nov. 9.
- Karweit, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking drill device. 2,453,135, Nov. 9.
- Karweit, John W., Skokie, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking drill chuck. 2,453,136, Nov. 9.
- Karweit, John W., River Grove, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Drilling metal and the like. 2,453,137, Nov. 9.
- Kasboske, Clement B., assignor to M. Loeber, Chicago, Ill. Draw bar. 2,439,518, Apr. 13.
- Kaser, Robert A., Chicago, Ill. Cylinder construction. 2,448,266, Aug. 31.
- Kaskouras, Thomas, Chicago, Ill. Can and bottle opener. 2,455,496, Dec. 7.
- Kasperek, Wesley J., Columbus, Ga. Lubrication failure detector switch. 2,452,379, Oct. 26.
- Kasparson, Lennart A., assignor to Norton Company, Worcester, Mass. Grinding wheel spindle positioning and reciprocating mechanism. 2,444,010, June 22.
- Kass, Samuel M., Philadelphia, Pa. Nozzle adaptor for faucets and the like. 2,442,496, June 1.
- Kasschau, Kenneth, Fairlawn, N. J. Electric regenerative transmission system. 2,443,770, June 22.
- Kassebohm, Walter H., assignee, et al.: *See*—
Whittall, Henry C.
- Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Prevention of afterburning in fluidized catalytic cracking processes. 2,436,927, Mar. 2.
- Kasson, David M.: *See*—
Brenne, Ronald F.
- Kassovic, Stephen, La Salle, Ill. Toothpick shaker. 2,448,099, Aug. 31.
- Kasten, Walter, Franklin, assignor, by mesne assignments, to Bendix Aviation Corporation (Delaware), Detroit, Mich. Filter by-pass valve construction. 2,439,930, Apr. 20.
- Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Expansion joint. 2,445,580, July 20.
- Kaszuba, Frank J.: *See*—
Harsh, Harold C., Haff, and Kaszuba.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Bleaching bath and process for bleaching color film. Re. 22,977, Feb. 24.
- Katcher, Morris, New York, N. Y. Fuel pump. 2,440,178, Apr. 20.
- Katcher, Morris, New York, N. Y. Packing cup for master pistons. 2,444,569, July 6.
- Kath, Norman A., Davenport, Iowa. Optical filter attachment. 2,444,512, July 6.
- Kather, Erich N., South Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge device. 2,452,058, Oct. 26.
- Katz, Abraham: *See*—
Temko, Richard S., and Katz.
- Katz, Harry P., Cleveland, Ohio. Forced draft air supply and control means for furnaces. 2,448,891, Sept. 7.
- Katz, Heyman, Asbury Park, N. J. Tow bar clamp. 2,453,230, Nov. 9.
- Katz, Jefferson D., Baltimore, Md., now by judicial change of name, J. D. Kennedy. Aircraft landing and taxiing light. 2,443,007, June 8.
- Katz, Julius, Bronx, and F. P. Majoros, Brooklyn, assignors to Superba Manufacturing Co., Inc., New York, N. Y. Bias tubing. 2,445,883, July 27.
- Katz, Robert, Yellow Springs, Ohio. Antenna strain insulator. 2,434,658, Jan. 20.
- Katz, Sam, New York, N. Y. Stay-down shirt. Re. 22,969, Feb. 3.
- Katzenstein, Max: *See*—
Emmiev, Charles and Katzenstein.
- Katzin, Martin, Washington, D. C. Automatic volume control means. 2,441,577, May 18.

- Kauffman, Claytor O.: *See*—
Fender, Clarence L., and Kauffman.
- Kauffmann, Hans O.: *See*—
Shanley, Edward S., and Kauffmann.
- Kauffman, Harry M., assignor of one-half to W. La Monaca, Philadelphia, Pa. Dispensing machine. 2,451,094, Oct. 12.
- Kauffman, Marie E.: *See*—
Damschroder, Rudolph E., and Kauffman.
- Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer and the like. 2,446,477, Aug. 3.
- Kaufman, Charles, and R. H. Hall, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Carbon black. 2,453,440, Nov. 9.
- Kaufman, Daniel, assignor, by mesne assignments, to The Oil Equipment Manufacturing Corporation, New Haven, Conn. Air control mechanism and switch for oil burners. 2,446,834, Aug. 10.
- Kaufman, Daniel L., assignor to General Motors Corporation, Dayton, Ohio. Air cooling apparatus. 2,454,654, Nov. 23.
- Kaufman, George A., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method and apparatus for oiling sheet metal. 2,437,606, Mar. 9.
- Kaufman, Hiram J., Detroit, Mich. Ice air cooling apparatus having anti-splash means. 2,453,017, Nov. 2.
- Kaufman, Joseph M. S., Washington, D. C., and S. Krasnow, Arlington, Va. Sun compass. 2,441,636, May 18.
- Kaufman, Philip, and R. Stovall, Kansas City, Mo. Footrest and pedal extension. 2,454,969, Nov. 30.
- Kaufman, Samuel, Brooklyn, N. Y. Loom and method of weaving. 2,446,596, Aug. 10.
- Kaufman, William, assignor to Kulka Electric Company, Mount Vernon, N. Y., a partnership composed of W. and E. R. Kulka. Electrical switch device for lamp sockets. 2,446,768, Aug. 10.
- Kaufmann, Ary, South Orange, assignor to K. Kaufmann & Co., Inc., Newark, N. J. Traveling bag comprising hinged connected opposed sections. 2,444,511, July 6.
- Kaufmann, Frank H., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Comb and reed for textile machines. 2,447,342, Aug. 17.
- Kaufmann, Harry A., Detroit, Mich. Storm window ventilating and cleanout opening. 2,435,008, Jan. 27.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,445,070, July 13.
- Kaufmann, John J., Elkins Park, assignor to Steele Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,450,241, Sept. 28.
- Kaufmann, K. & Co., Inc., assignee: *See*—
Kaufmann, Ary.
- Kaufmann, Melville, Los Angeles, Calif. Shank reinforced shoe construction. 2,439,431, Apr. 13.
- Kaulakis, Arnold F., Roselle, N. J., assignor to Standard Oil Development Company. Acid-treating of catalytically cracked naphtha. 2,438,445, Mar. 23.
- Kaumanns, Paul M., Topeka, Kans. Device for testing electric irons. 2,447,580, Aug. 24.
- Kaumeier, Richard A., Pacific Palisades, and J. Rabb, Jr., West Los Angeles, Calif., assignors to Evans Products Company, Detroit, Mich. Wood battery separator and making the same. 2,441,637, May 18.
- Kaupe, Lee H., and R. R. Raney, La Grange, Ill., assignors to International Harvester Company. Tier. 2,446,878, Aug. 10.
- Kaupke, Lee H.: *See*—
Crumb, Charles F., Kaupke, Raney, and Smith.
- Kautz, Frederick, Philadelphia, Pa. Forming plates for runways in spiral chutes and the like. 2,437,259, Mar. 9.
- Kavanagh, Thomas J., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Apparatus for checking the external diameters of annular objects. 2,448,314, Aug. 31.
- Kavanagh, Joseph A., assignor to International Business Machines Corporation, New York, N. Y. Electrical switch. 2,453,231, Nov. 9.
- Kavanaugh, Harry H.: *See*—
Fellay, Louis J., and Kavanaugh.
- Kawner Company, The, assignee: *See*—
Miller, James T.
- Kay, James A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Packaging machinery. 2,437,198, Mar. 2.
- Kay, James A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Packaging machinery. 2,438,809, Mar. 30.
- Kay, Murray, New York, N. Y. Garment. 2,441,274, May 11.
- Kay-Fries Chemicals, Inc., assignee: *See*—
Bitler, William P., Aschner, and Nicholl.
- Kaye, Harriette K., Chicago, Ill. Lipstick case. 2,456,948, Dec. 21.
- Kayler, Frank H.: *See*—
Kinne, Edmund P., and Kayler.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler attachment. 2,454,514, Nov. 23.
- Kayser, Guillaume M. A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Spinning high tenacity viscose rayon. 2,452,130, Oct. 26.
- Kayser, Julius, & Company, assignee: *See*—
Levine, Louis.
- Keagle, Stanley E., Minneapolis, Minn. Feeder. 2,433,912, Jan. 6.
- Keagle, Stanley E., Minneapolis, Minn. Machine for bending articles. 2,441,275, May 11.
- Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener inserting machine. 2,437,746, Mar. 16.
- Kealy, Edward M., Long Beach, Calif. Latching device. 2,449,074, Sept. 14.
- Kear, Collier H., deceased, Richmond Hill, Long Island, N. Y.; D. E. Kear, administratrix. Trough separator with vertical classifying current. 2,440,097, Apr. 20.
- Kear, Dorothy E., administratrix: *See*—
Kear, Collier H.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Dehydrogenation catalysts. 2,442,131, May 25.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Catalytic reforming of hydrocarbons. 2,447,016, Aug. 17.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Catalysts for hydrocarbon conversions. 2,447,017, Aug. 17.
- Kearfoot Company, Inc., assignee: *See*—
Bloser, Dwight W.
Glass, John P.
Kent, Henry J.
Krupick, Walter J.
Reichel, Wladimir A.
Rose, Howard E.
- Kearney, Edward J., deceased, Wauwatosa, by O. W. Carpenter, Jr., special administrator, Fox Point, and J. B. Armitage, Wauwatosa, Wis., and W. M. Pohl, Hamden, Conn., assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool guard. 2,443,734, June 22.
- Kearney, James R., Corporation, assignee: *See*—
Fox, Charles A.
Froland, Olav.
Kratoville, Frank M., and Cunningham.
Oaklwy, Thurman.
Tallman, Oscar F.
- Kearney, Kenneth O., Syracuse, assignor to Penn Electric Switch Co., Goshen, Ind. Control structure. 2,435,716, Feb. 10.
- Kearney & Trecker Corporation, assignee: *See*—
Kearney, Edward J.
Trecker, Theodore, and Armitage.
Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
- Kearns, Charles M., Jr., Manchester, and W. E. Arnoldi, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Vibration dampening means for multiblade aircraft propellers. 2,440,956, May 4.
- Kearny, Cresson H., U. S. Army, Fort Clayton, C. Z. Valve stem. 2,444,449, July 6.
- Kearny, Cresson H., United States Army, New York, N. Y. Oarlock support. 2,456,637, Dec. 21.
- Kearsley, Edward P., Springfield, and E. J. Marciniak, Easthampton, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club head. 2,457,084, Dec. 2.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Therapeutic apparatus. 2,434,497, Jan. 13.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Electrothermal deposition apparatus. 2,438,561, Mar. 30.
- Keary, Thomas J., San Diego, Calif., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Compression-wave delay device. 2,446,835, Aug. 10.
- Keasbey & Mattison Company, assignee: *See*—
Miller, Lewis B., and Seipt.
- Keating, Harry C., Buffalo, N. Y. Electrical outlet box. 2,439,090, Apr. 6.
- Keating, Harry C., Buffalo, N. Y. Electrical outlet box mounting. 2,439,091, Apr. 6.
- Keating, John P., Elkhart, and G. L. Weimer, South Bend, assignors to Durakool, Inc., Elkhart, Ind. Time-delay plunger for relays. 2,457,681, Dec. 28.
- Keating, Richard T., Oak Park, Ill. Combustion tube heater for cooking containers. 2,452,472, Oct. 26.
- Keats, John L., and J. H. Peterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigment production. 2,439,895, Apr. 20.
- Keck, Andrew, Gahanna, Ohio, assignor to Curtiss-Wright Corporation. Apparatus for surface treating small objects. 2,451,391, Oct. 12.
- Keckley, Paul M., Wardensville, W. Va. Motor float. 2,434,700, Jan. 20.
- Kee Lox Manufacturing Company, assignee: *See*—
Doyle, Joseph C.
- Keefer, Harry P., Youngstown, Ohio. Butter tray. 2,444,704, July 6.
- Keefer, Herbert W.: *See*—
McKee, Harry H., Keefer, and McCue.
- Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Blasting room. 2,440,222, Apr. 20.
- Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Continuous blast cleaning barrel. 2,441,578, May 18.

- Keegan, James H., North Wales, assignor to The Brown Instrument Company, Philadelphia, Pa. Recording instrument having plural pens and an oscillating actuator. 2,445,272, July 13.
- Keegel, Anthony J.: *See*—
Bowles, Albert F., and Keegel.
- Keel, Anthony J., assignee, et al.: *See*—
Edwards, Lewis E.
- Keelavite Company Limited, The, assignee: *See*—
Johnson, Edward H.
- Keeler Brass Company, assignee: *See*—
Jakeway, Gerald V., and Keeler.
- Keeler, Isaac S.: *See*—
Jakeway, Gerald V., and Keeler.
- Keeling, William O., assignor to Koppers Company, Inc., Pittsburgh, Pa. Purifying benzene. 2,438,368, Mar. 23.
- Keen, Alexis W.: *See*—
Blair, George W., Clayton, Clark, Schott, and Keen.
- Keen, Daniel S. J., Sedgeberrow, England. Draught excluder for doors. 2,441,073, May 4.
- Keene, Lester F.: *See*—
Poehler, Horst A., and Keene.
- Keenen, Frank G., Swarthmore, Pa., and R. L. Dodge, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ammoniation of fertilizers. 2,439,432, Apr. 13.
- Keese, Beverly W.: *See*—
Buckendale, Lawrence R., and Keese.
- Keever, Donald B., Colfax, N. C. System for true amplitude modulation of a radio wave. 2,439,661, Apr. 13.
- Keffer, Joseph W., Ligonier, Pa. Adjustable shoring support. 2,444,705, July 6.
- Kegresse, Adolphe, Paris, France. Controlled freewheeling mechanism. 2,440,588, Apr. 27.
- Kegresse, Adolphe, Paris, France. Feed device for hydraulically operated change-speed gears. 2,440,589, Apr. 27.
- Kegresse, Adolphe, Paris, France. Pressure selector and corrector for bound-up automatic hydraulic transmissions. 2,440,590, Apr. 27.
- Kehle, Ottmar A., West Los Angeles, Calif., assignor to Adel Precision Products Corp. Shuttle valve. 2,440,478, Apr. 27.
- Kehoe, James W., Wauwatosa, Wis. Flexible leakproof coupling. 2,452,057, Oct. 26.
- Kehoe, Michael J., assignor of forty-nine per cent to F. J. Topp, Springfield, Ohio. Combined tobacco pouch and cigarette rolling device. 2,453,846, Nov. 16.
- Keiffer, Lawrence R., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp base. 2,436,259, Feb. 17.
- Keiffer, Raymond L., Cleveland Heights, Ohio, assignor to General Electric Company. Coating apparatus for tubular objects. 2,449,655, Sept. 21.
- Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Yarn support. 2,450,966, Oct. 12.
- Keil, Rudolph, Pelham Manor, N. Y. Wheeled trunk and the like. 2,439,660, Apr. 13.
- Kelm, Charles J., Oil City, Pa., assignor to Oil Well Supply Company. Detachable fluid line manifold. 2,447,185, Aug. 17.
- Kelm, Charles J., Oil City, Pa., assignor to Oil Well Supply Company. Stuffing box. 2,450,895, Oct. 12.
- Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Cathode-ray tube support and positioning means. 2,451,832, Oct. 19.
- Keim, Donald B., Syracuse, N. Y., assignor to General Electric Company. Control device indicator. 2,456,949, Dec. 21.
- Keim, Gerald I., Newark, and J. Ross, Ramsey, N. J., and J. H. Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Recovery of glycerol. 2,444,296, June 29.
- Kelnaeth, George, Larchmont, N. Y. Resistance thermometer. 2,444,410, June 29.
- Kelnaeth, George, Larchmont, N. Y. Three-magnitude recorder. 2,447,018, Aug. 17.
- Kelner, Frank, assignee, et al.: *See*—
Gilbert, Lewis W.
- Kelser, Bernhard: *See*—
De Groot, Melvin, and Kelser.
- Kelser, John, Windsor, Colo. Combined pipe wrench and vise. 2,450,967, Oct. 12.
- Kelser, Russell W.: *See*—
Boucher, Charles P., and Kelser.
- Kelser, Russell W., and C. P. Boucher, Postoria, Ohio, assignors to Boucher and Kelser Company, Atlanta, Ga. Fluorescent lamp circuit. 2,439,976, Apr. 20.
- Kelser, Wallace F., Rochester, N. Y. Pocket letter opener. 2,442,694, June 1.
- Kelster, James E., Scotia, N. Y., assignor to General Electric Company. Transmitter-receiver switching system. 2,438,367, Mar. 23.
- Keith, Glenn, East Detroit, assignor of one-fourth to M. M. Weinstein, one-tenth to E. Goldberg, one-tenth to H. Weinstein, one-tenth to B. B. Covent, and one-tenth to W. Mintz, Detroit, Mich. Receptacle closure means. 2,450,560, Dec. 14.
- Keith, Glenn, Hollywood, Md., assignor of one-fourth to M. M. Weinstein, one-tenth to B. Covent, one-tenth to W. Mintz, one-tenth to H. Weinstein, and one-tenth to E. Goldberg, Detroit, Mich. Sealing cap for vacuum bottles and the like. 2,447,581, Aug. 24.
- Keith, Kenneth M.: *See*—
Ronning, Martin, and Keith.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Fluidizing process for gasifying carbonaceous solids. 2,445,327, July 20.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Conversion process for heavy hydrocarbons. 2,445,328, July 20.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Stripping spent fluid catalysts. 2,456,707, Dec. 21.
- Keithley, Tim P., and L. O. Chandler, Middletown, Mo.: said Keithley assignor to said Chandler. Two-way cattle and hog feeder. 2,439,007, Apr. 6.
- Keizer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Bomb release radio system. 2,440,609, Apr. 27.
- Kelar, Joseph, Lancaster, Pa., assignor to Radio Corporation of America. Cathode-grid assembly for a cathode-ray tube. 2,443,916, June 22.
- Kelberer, Raymond J., Wolf Point, Mont. Retractable step and ramp appliance for vehicles. 2,457,380, Dec. 28.
- Kelco Company, assignee: *See*—
Steiner, Arnold B.
- Kellandigham, Vance V.
- Kelcon Corporation, assignee: *See*—
Kelly, Stephen A., Jr., and Lindsay.
- Kelk, William H. H., and D. O. Burns, South Farnborough, England. Electromagnetically operated timing mechanism. 2,442,497, June 1.
- Kell, Harry, and C. R. Dawson, New York, and D. Wasserman, Brooklyn, N. Y. Composition for polson ivy diagnosis. 2,451,955, Oct. 19.
- Kell, Havard L.: *See*—
Roundy, Zola D., and Kell.
- Kell Lock Co., Inc., assignor: *See*—
Heinemann, Emil J.
- Kalwo, Ludwig J.
- Kell, Robert W., Oak Park, assignor to National Aluminate Corporation, Chicago, Ill. Process of minimizing the production of foam in steam generators. 2,449,656, Sept. 21.
- Kelleher, Daniel, Berea, assignor to I. Saks, Cleveland, Ohio. Clutch plate. 2,437,537, Mar. 9.
- Kelleher, Francis W., Lynn, and M. H. Guile, Revere, Mass. Balancing device. 2,441,152, May 11.
- Kelleher, Francis W., Lynn, Mass. Chuck operating mechanism. 2,455,934, Dec. 14.
- Kellera, James F., assignor of one-half to T. E. Meade, Vancouver, Wash. Drill stand and gauge. 2,439,008, Apr. 6.
- Keller, Anne H.: *See*—
Keller, K. M., E. H., and A. H.
- Keller, Arthur M., Livingston, N. J., assignor to The Linde Air Products Company. Blowpipe machine. 2,443,251, June 15.
- Keller, Auguste V., Long Island City, assignor to Thompson's Ltd., New York, N. Y. Laminated plastic article. 2,439,137, Apr. 6.
- Keller, Charles N., Dayton, Ohio. Electronic tube socket, hermetically sealed. 2,444,048, June 29.
- Keller, Charles N., Dayton, Ohio. Voltage regulator. 2,455,935, Dec. 14.
- Keller, Charles S.: *See*—
Frank, Edward J., and Keller.
- Keller, Dan W., Chicago, Ill. Crystal mounting. 2,457,563, Dec. 28.
- Keller-Dorian Colorfilm Corporation, assignee: *See*—
Wright, Arthur.
- Keller, Elizabeth H.: *See*—
Keller, K. M., E. H., and A. H.
- Keller, Hans, Wettingen, and C. Ehrensperger, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Device for igniting and energizing mercury arc rectifiers. 2,435,357, Feb. 3.
- Keller, Kathryn M., E. H., and A. H., Chicago, Ill. Fever thermometer. 2,451,746, Oct. 19.
- Keller, Nellie G.: *See*—
Keller, William J. and N. G.
- Keller, Philip B.: *See*—
Bolte, Frank B., and Keller.
- Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Load regulation of synchronous machines. 2,434,932, Jan. 27.
- Keller, Spencer R., Handley, W. Va. Adjustable internal expansion grinder. 2,448,600, Sept. 7.
- Keller, Spencer R., Handley, W. Va. Adjustable internal expansion grinder. 2,455,065, Nov. 30.
- Keller Tool Company, assignee: *See*—
Shaft, Ernest H.
- Keller, William J.: *See*—
Dowd, Frank, and Keller.
- Keller, William J., and N. G., St. Louis, Mo. Rake. 2,456,876, Dec. 21.
- Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Table for vehicles. 2,437,162, Mar. 2.
- Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railroad car refrigerated by dry ice and a secondary refrigerating system. 2,440,098, Apr. 20.

- Kellett, William P., New York, N. Y. Transport vehicle and interchangeable freight container. 2,444,297, June 29.
- Kelley, Carl S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon alkylation process. 2,448,601, Sept. 7.
- Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,444,260, June 29.
- Kelley, Edward G.: *See*—
Wall, Monroe E., and Kelley.
- Kelley, Elmer W., Denver, Colo. Vernier for mechanically measuring angles. 2,446,287, Aug. 3.
- Kelley-Koett Manufacturing Co., Inc., The, assignee: *See*—
Feibel, Adolph H.
Sussin, David.
- Kelley, Leo A., New York, N. Y., assignor to The Rauland Corporation, Chicago, Ill. Radio carrier telephone system. 2,442,815, June 8.
- Kelley, William J., Chicago, Ill. Stabilizing roadbeds. 2,452,196, Oct. 26.
- Kelley, Zar W., Bedford, assignor to Z & W Machine Products, Inc., Cleveland, Ohio. Toolholder. 2,434,075, Jan. 6.
- Keligren, John A., Regina, Saskatchewan, Canada. Chain tool. 2,444,450, July 6.
- Kellgren, Waldo, St. Paul, H. J. Tierney, Mahtomedi, and R. G. Drew, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheet and making. 2,444,830, July 6.
- Kelling, Leroy U. C., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,444,261, June 29.
- Kellog, Henry B.: *See*—
Sparks, William J., Kellog, and Field.
Young, David W., and Kellog.
- Kellog, Henry B., Union City, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Butadiene-1,3-acrylonitrile copolymer plasticized with naphthenic acid esters. 2,438,753, Mar. 30.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Motor drive system. 2,440,176, Apr. 20.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Variable time sound recording method and system. 2,445,832, July 27.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for improving the durability of optical coatings. 2,456,708, Dec. 21.
- Kellogg, Joseph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Fluid pressure system. 2,445,437, July 20.
- Kellogg, M. W. Company, assignee: *See*—
Hopkins, Robert K.
- Kellogg, M. W. Company, The, assignee: *See*—
Baker, Albert L., Hill, and Markl.
Baker, Albert L., Markl, and Blahut.
Borcharding, Walter H.
Creelman, George D.
Dickinson, John T., Morfit, and Van Orden.
Hopkins, Robert K.
Jewell, Joseph W.
Laying, Edwin T., and Suman.
Rinne, John, and Ashton.
Rinne, John, and Mallard.
Rubin, Louis C.
Solomon, Ernest.
- Kellogg, Spencer, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation. Gyroscopic flight instrument. 2,452,473, Oct. 26.
- Kellogg Switchboard and Supply Company, assignee: *See*—
Arnold, Ralph J., MacDonald, and Collins.
Bellamy, John I.
Blyholder, Orlando.
Collins, Ralph D.
Collins, Ralph D., and Drigot.
Crehan, William J., and Arnold.
Staszak, Michael B.
- Kelly, Brendan K.: *See*—
Staudinger, Hanns P., Kelly, and Copper.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure operated rheostat. 2,443,252, June 15.
- Kelly, George M., Sturgis, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Coupling. 2,444,892, July 6.
- Kelly, Herbert W., Chicago, Ill., assignor to Meenatie Metal Corporation. Electromagnet positioning device. 2,447,343, Aug. 17.
- Kelly, John H., Jr., Oak Park, assignor to Dryden Rubber Company, Chicago, Ill. Rubber compositions containing octadecane nitrile. 2,437,538, Mar. 9.
- Kelly, Joseph A., assignor to Luminous Processes, Inc., New York, N. Y. Luminous pendant. 2,455,893, Dec. 7.
- Kelly, Richard, assignor to Standard Telephones and Cables Limited, London, England. Power supply system for carrier communication systems. 2,440,275, Apr. 27.
- Kelly, Stephen A., Jr., Manhasset, and W. R. Lindsay, Floral Park, assignors to Kelcon Corporation, Flushing, N. Y. Convertible berth or bed lounge and like device. 2,440,515, Apr. 27.
- Kelly, Thomas C., Hinsdale, Ill. Holder for abrasives, detergents, and polishing materials. 2,446,653, Aug. 10.
- Kelly, Walter, Jr.: *See*—
Heimbach, Newton, and Kelly.
- Kelsey-Hayes Wheel Company, assignee: *See*—
Jacobi, Emil R.
Sinclair, Charles W.
- Kelsey, Ralph C., assignor to The Cleveland Trencher Company, Cleveland, Ohio. Excavator bucket. 2,443,460, June 15.
- Kelsh, Harry T., Washington, D. C. Map making and projection instrument. 2,451,031, Oct. 12.
- Kelso, Beecher O.: *See*—
Anderson, Eric M., Kelso, and Ginn.
- Kelso, Beecher O., assignor to Utilities Distributors, Inc., Portland, Maine. Flued coupling. 2,444,451, July 6.
- Kelton, Gilbert P., Dorris, Calif. Rotary cylindrical splitter and planer head. 2,449,605, Sept. 21.
- Kemble, Herbert C., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Mold. 2,443,621, June 22.
- Kemeny, Paulo, Sao Paulo, Brazil. Speed regulator. 2,438,703, Mar. 30.
- Kemeny, Paulo, Sao Paulo, Brazil. Variable-speed transmission mechanism. 2,453,517, Nov. 9.
- Kemler, Emory N., West La Fayette, assignor to Muncie Gear Works, Inc., Muncie, Ind. Glider and cargo pickup. 2,434,701, Jan. 20.
- Kemler, Emory N., W. C. Pease, III, and S. Oglesby, Jr., Birmingham, Ala., assignors to Muncie Gear Works, Inc., Muncie, Ind. Heat pump control device. 2,441,885, May 18.
- Kemline Metal Products Company, assignee: *See*—
Midouhas, Stephen P.
- Kemmer, Frank R., Louisville, Ky., assignor to Reynolds Metals Company. Manufacture of alkaline earth metals. 2,448,000, Aug. 24.
- Kemmer, Paul H., Fairfield, and E. R. Weaver, Dayton, Ohio. Tension patch. 2,452,058, Oct. 26.
- Kemmer, Paul H., Fairfield, and C. E. Reichert, and C. S. Butt, Jr., Dayton, Ohio. Mounting machine guns in airplanes. 2,454,806, Nov. 30.
- Kemp, Charles L., Klamath Falls, Ore. Micrometer attachment. 2,456,709, Dec. 21.
- Kemp, Harold J., Swift Current, Saskatchewan, Canada. Apparatus for treating seeds with chemical dust and bagging the seeds. 2,452,935, Nov. 2.
- Kemp, John H., Jr., San Carlos, Calif. Apparatus for handling loads. 2,451,228, Oct. 12.
- Kemp, Woodrow E.: *See*—
Sturrock, Murray G., Lowe, and Kemp.
- Kempe, Robert A.: *See*—
Cunningham, John E., and Kempe.
- Kempe, Robert A., assignor to Thompson Products, Inc., Cleveland, Ohio. Method of and apparatus for making poppet valves. 2,436,928, Mar. 2.
- Kemper, Clara A.: *See*—
Musso, Leo P.
- Kemper, Ira B., Portland, Ore. Folding vehicle for children. 2,451,956, Oct. 19.
- Kemper, Robert J., San Carlos, Calif. Antidrip pouring spout. 2,442,047, May 25.
- Kemper, William H.: *See*—
Fetzer, Maurice C., and Kemper.
- Kempf, Louis W., Lakewood, and L. W. Eastwood, University Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Mold for making castings. 2,452,855, Nov. 2.
- Kempf, Paul S., Brookline, Mass. Garment hanger. 2,455,066, Nov. 30.
- Kempster, George A., Ashland, Mass. Teeth cleaning and polishing applicator. 2,443,461, June 15.
- Kemphorne, James L., Montclair, N. J. Texturing device. 2,434,462, Jan. 13.
- Kemphorne, James L., Montclair, N. J. Spraying device for fibrous material. 2,442,206, May 25.
- Kempton, Leslie A., assignor to The Dole Valve Company, Chicago, Ill. Flow control. 2,454,929, Nov. 30.
- Kempton, Leslie A., assignor to The Dole Valve Company, Chicago, Ill. Member sealing means. 2,456,066, Dec. 14.
- Kendall, Clarence W.: *See*—
Fischer, William R., and Kendall.
- Kendall Company, The, assignee: *See*—
Martin, John B.
Reed, Raymond E., and Ryan.
- Kendall, Floyd J., assignor to The Springfield Metallic Casket Co., Inc., Springfield, Ohio. Corner holding device. 2,450,091, Sept. 28.
- Kendall, Harold G., assignee: *See*—
Fritzinger, George H.
- Kendall, Harold G., Brooklyn, N. Y., assignor of one-half to G. H. Fritzinger, West Orange, N. J. Machine for reinforcing and punching sheets. 2,441,821, May 18.
- Kendall, John D., assignor to Iford Limited, Iford, England. Cyanine dyestuff intermediates. 2,438,705, Mar. 30.
- Kendall, John D., assignor to Iford Limited, Iford, England. Cyanine dyestuffs. 2,438,782, Mar. 30.
- Kendall, John D., and D. J. Fry, assignors to Iford Limited, Iford, England. Dye intermediates for colour photography. 2,436,007, Feb. 17.
- Kendall, John D., H. W. Wood, and J. R. Majer, Iford, assignors to Iford Limited, Iford, Essex, England. Organic compounds serving as cyanine dyestuff intermediates. 2,438,704, Mar. 30.

- Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Cyanacetylamino phenol color formers for color photography. 2,441,491, May 11.
- Kendall, John D., and H. G. Suggate, assignors to Ilford Limited, Ilford, England. Forming coloured images by means of aryl hydrazones of glyoxylic acid amide. 2,449,388, Sept. 14.
- Kendall, John D., H. G. Suggate, and H. W. Wood, assignors to Ilford Limited, Ilford, England. Cyanine dyestuff. 2,455,420, Dec. 7.
- Kendall, Opces V., Elkhart, Ind. Folding breakfast nook. 2,450,518, Oct. 5.
- Kendall, Willard E., Fitchburg, Mass. Pneumatic nail driver. 2,445,674, July 20.
- Kende, George, Dobbs Ferry, and S. Johanson, assignors to Universal Camera Corporation, New York, N. Y. Mount for binoculars. 2,436,576, Feb. 24.
- Kendig, Albert C., Eagle Rock, and L. Spencer, Los Angeles, Calif. Knitting needle. 2,444,102, June 29.
- Kendle, Fordyce J., Monterey Park, Calif. Tablet packaging machine. 2,439,977, Apr. 20.
- Kendrick, John F., Elizabeth, N. J. Self-locking nut. 2,439,253, Apr. 6.
- Kenlee Corporation, assignee: *See*—
Lee, Roger K.
- Kennecott Wire & Cable Company, assignee: *See*—
Kessler, Philip V., and Moss.
- Kennedy, Arthur, Wood-Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Control circuits. 2,454,807, Nov. 30.
- Kennedy, Claude L.: *See*—
Spencer, James A., Kennedy, and Thomas.
- Kennedy, Edgar S., Wayne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Textile fabric. 2,448,032, Aug. 31.
- Kennedy, Edward M., Los Angeles, Calif., assignor to Mills Alloys, Inc. Welding rod. 2,442,087, May 25.
- Kennedy, Frank J., Brooklyn, N. Y., assignor to National Electric Products Corporation, Pittsburgh, Pa. Thin-wall tubing connector. 2,455,180, Nov. 30.
- Kennedy, Grosvenor A., and C. O. Moore, assignors to Gates Rubber Company, Denver, Colo. Drill pipe cleaner. 2,444,653, July 6.
- Kennedy, James W.: *See*—
Eckard, Harry L., and Kennedy.
- Kennedy, Jefferson D., by judicial change of name: *See*—
Katz, Jefferson D.
- Kennedy, John L., Winchester, L. C. Mead, Somerville, and B. Wellman, Lincoln, Mass., assignor to the United States of America as presented by the Secretary of War. Pupillometer. 2,440,957, May 4.
- Kennedy, Robert M.: *See*—
Hetzel, Stanford J., and Kennedy.
- Kennedy, Robert M., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,398, Mar. 23.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,399, Mar. 23.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,401, Mar. 23.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,402, Mar. 23.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Preparation of cyclopentadiene. 2,438,403, Mar. 23.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of olefins. 2,452,198, Oct. 26.
- Kennedy, Theodore R., Lower Makefield Township, Bucks County, Pa., assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction furnace for variable heat patterns. 2,452,197, Oct. 26.
- Kennedy, Truman H., McKeesport, Pa., assignor to National Tube Company. Checkerwork and brick therefor. 2,451,392, Oct. 12.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Heat exchanger. 2,439,775, Apr. 13.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air flow control. 2,446,879, Aug. 10.
- Kennedy, William M., Lyndhurst, N. J. Sealing sleeve for tube units. 2,445,273, July 13.
- Kennelly, Jeremiah D., Oak Park, Ill. Brake pressure responsive signal system. 2,439,474, Apr. 13.
- Kennelly, Jeremiah D., Oak Park, Ill. Warming-light projector. 2,442,569, June 1.
- Kennelly, Jeremiah D., Oak Park, Ill. Oscillating warning light. 2,446,333, Aug. 3.
- Kennelly, Jeremiah D., Oak Park, Ill. Oscillating warning light for vehicles. 2,455,497, Dec. 7.
- Kennelly, Jeremiah D., Oak Park, Ill. Low brake pressure signal device. 2,456,286, Dec. 14.
- Kennelly, Jeremiah D., Oak Park, Ill. Warning light for vehicles. 2,456,287, Dec. 14.
- Kennett, Clarence E., Warrenville, S. C. Stirrup for jack sticks in looms. 2,450,198, Sept. 28.
- Kenney, George M., Cranston, and J. F. Cavanagh, Providence, assignors to Kenney Manufacturing Company, Cranston, R. I. Curtain rod or similar article. 2,436,811; Mar. 2.
- Kenney Manufacturing Company, assignee: *See*—
Kenney, George M., and Cavanagh.
- Kenny, Charles R., Crestwood, N. Y., assignor to The Sperry Corporation. Automatic frequency control. 2,452,575, Nov. 2.
- Kenny, Richard J., Bhowra, British India. Apparatus for cooling or conditioning air or other fluids. 2,440,446, Apr. 27.
- Kent, Carleton V., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Hardness penetrator. 2,436,435, Feb. 24.
- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Flash illuminated striped pattern direct reading stroboscope for wave frequency measurement. 2,446,047, July 27.
- Kent, Earle L., Elkhart, Ind., and R. C. Treseder, Dayton, Ohio, said Kent assignor to C. G. Conn, Ltd., Elkhart, Ind. Vibration indicating apparatus. 2,447,863, Aug. 24.
- Kent, Henry J., Teaneck, N. J., assignor to Kearfott Company, Inc., New York, N. Y. Dual speed synchro unit. 2,448,374, Aug. 31.
- Kent, Henry J., Teaneck, N. J., assignor to Kearfott Company, Inc., New York, N. Y. Gear mounting. 2,451,342, Oct. 12.
- Kent-Owens Machine Company, assignee: *See*—
Tremblay, Albert F.
- Kent, Raymond C., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic tuning control for radio systems and the like. 2,436,172, Feb. 17.
- Kent, Robert J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable laying machine. 2,441,153, May 11.
- Kenyon, Alonzo F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque control system for electric reel motors. 2,447,654, Aug. 24.
- Kenyon, Alonzo F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,454,183, Nov. 16.
- Kenyon, Alonzo F., Churchill, and W. R. Harding, Export, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electric motors. 2,451,957, Oct. 19.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Stabilized multivibrator. 2,441,579, May 18.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Electronic delay circuits. 2,442,769, June 8.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Pulse generator. 2,442,770, June 8.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Balancing circuit. 2,447,507, Aug. 24.
- Kenyon, David E., Smithtown Branch, N. Y., assignor to The Sperry Corporation. Power supply filter and regulator. 2,456,638, Dec. 21.
- Kenyon Instrument Co., Inc., assignee: *See*—
Newell, Arthur T.
- Kenyon, Joseph, Barnes, London, and V. Silberstein, Kensington, London, assignors of one-third to H. Attari, London, England. Production of gelatine or glue from hides and other collagen or ossein-containing materials. 2,453,630, Nov. 9.
- Kenyon, Sidney C., assignor of one-half to L. A. Gauss and one-half to E. S. Gauss, Lansing, Mich. Device for truing and sharpening dough cutters. 2,455,585, Dec. 7.
- Kenyon, William O.: *See*—
Minsk, Louis M., and Kenyon.
Unruh, Cornelius C., and Kenyon.
- Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Resinous copolymer of isopropenyl acetate. 2,448,531, Sept. 7.
- Kenyon, William O., and E. C. Yackel, assignors to Eastman Kodak Company, Rochester, N. Y. Oxidation of cellulose. 2,448,892, Sept. 7.
- Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of 1-acyloxy-1,3-butadienes and acrylonitrile. 2,455,778, Dec. 7.
- Keogh, Edward S., Jr., Monmouth County, N. J. Razor. 2,445,528, July 20.
- Keogh, Thomas P., assignor to Continental Can Company, Inc., New York, N. Y. Tongueless tearing strip container. 2,455,779, Dec. 7.
- Kephart, C. Paul, Jersey City, and W. E. Jerichow, Far Hills, N. J. Electric soldering tool. 2,451,290, Oct. 12.
- Keplinger, Orin C.: *See*—
Franz, Arvel O., and Keplinger.
- Kepple, Ezra W., Greensburg, Pa. Chimney cap. 2,448,806, Sept. 7.
- Kerber, Joseph H.: *See*—
Drott, Edward A., and Kerber.
- Kercheval, James E., San Gabriel, assignor to General Air Conditioning Corporation, Los Angeles, Calif. Car cooler. 2,453,018, Nov. 2.
- Keres, Walter B., assignee: *See*—
Jackson, Theodore F.
- Kerezi, Joseph, Dearborn, Mich. Flying top. 2,435,445, Feb. 3.

- Kerian, Louis, Grafton, N. Dak. Sorting machine, with endless conveyor gauging slots. 2,441,154, May 11.
- Kern, Albert F., San Francisco, Calif. Shelving. 2,455,682, Dec. 7.
- Kern, Andrew, Orofino, Idaho. Fan blade. 2,456,710, Dec. 21.
- Kern, Clarence T., Milwaukee, assignor to Pick Manufacturing Company, West Bend, Wis. Steam injection type water heater. 2,455,498, Dec. 7.
- Kern & Co. A. G., assignee: *See*—Wild, Heinrich.
- Kern, Jean G., Orchard Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Process of dyeing nylon-acetate mixed fabric with 3-nitro-4-amino-2'-chlorobiphenyl. 2,456,288, Dec. 14.
- Kern, Walter, Sissach, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone vat dyestuffs. 2,439,626, Apr. 13.
- Kern, Walter, Sissach, P. Sutter, Basel, E. Moergeli, Neuenwelt, near Basel, and T. Holbro, Basel, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide carbazole vat dyestuffs. 2,453,232, Nov. 9.
- Kernan, William: *See*—Mulligan, Wayne A., and Kernan.
- Kerngood, Allen H., Baltimore, Md. Heel for footwear. 2,444,777, July 6.
- Kerr, Charles E., Hoopston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,436,812, Mar. 2.
- Kerr, Cornelius W., Panama City, Fla. Bicycle. 2,450,598, Oct. 5.
- Kerr, Earl G.: *See*—Allen, Harry L., and Kerr.
- Kerr, Kingdon: *See*—Van Dyke, Edward E., and Kerr.
- Kerr Manufacturing Co., assignee: *See*—Christian, Rodney E.
- Christian, Rodney E., and Widerstedt. Zimmerman, Oswald T.
- Kerr, Nathan F.: *See*—Coggeshall, Norman D., and Kerr.
- Kerr, Ralph L., Houston, Tex., assignor of one-half to T. N. Law, Tulsa, Okla. Aircraft pickup and arresting device. 2,434,618, Jan. 13.
- Kerr, Ralph W., Bowman, N. Dak. Synchronized control unit. 2,439,393, Apr. 13.
- Kerr, Ralph W., Riverside, and N. F. Schink, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Modifying starch. 2,438,855, Mar. 30.
- Kerr, Theodore W., West Hollywood, assignor to E. E. Kotkin, doing business as Plastics Process Company, Los Angeles, Calif. Material handling device. 2,452,856, Nov. 2.
- Kerr, Theodore W., Jr., Seymour, and W. D. Harris, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,442,652, June 1.
- Kerr, Theodore W., Jr., Kingston, R. I., and W. D. Harris, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,442,653, June 1.
- Kerr, Thomas M., Los Angeles, Calif. Fruit juice dispenser. 2,440,406, Apr. 27.
- Kerridge, Frank E., assignor to Johnson, Matthey & Company Limited, London, England. Production of metallic designs on nonmetallic materials. 2,435,889, Feb. 10.
- Kerrigan, Katherine, Waverly, N. Y. Manufacture of shoulder pads. 2,440,548, Apr. 27.
- Kerry, Frank G., Montreal, Quebec, and E. T. W. Bailey, Hamilton, Ontario, Canada, said Kerry assignor to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude, Paris, France. Open-hearth steelmaking. 2,446,511, Aug. 3.
- Kersey, Carl O.: *See*—Reed, Walter R., Kersey, and Warkentine.
- Kershaw, Harold E.: *See*—MacFarlane, Richard J., and Kershaw.
- Kershaw, Henry, Belleville, N. J. Hermetically sealed crystal assembly. 2,434,043, Jan. 6.
- Kershaw, Henry, Belleville, N. J. Welding machine. 2,441,886, May 18.
- Kershaw, Henry, Belleville, N. J. Bridge for junction boxes. 2,451,393, Oct. 12.
- Kershaw, Knox: *See*—Praytor, Dennis M., and Kershaw.
- Kershishnik, John F., Elmhurst, N. Y. Construction toy. 2,446,770, Aug. 10.
- Kerst, Donald W., and R. Serber, assignors to Board of Trustees of The University of Illinois, Urbana, Ill. Magnetic induction accelerator with small X-ray source. 2,447,255, Aug. 17.
- Kertesz, Carl: *See*—Tanguay, Edgar, Kertesz, and Krakauer.
- Kertz, James J., Jamaica, assignor to M. Coleman, New York, N. Y. Electrical alarm system. 2,449,168, Sept. 14.
- Kervin, William M., Montreal, Quebec, Canada. Protective cap for wood posts, poles, and the like. 2,450,345, Sept. 28.
- Kesler, Carl C., W. C. Black, W. L. Hicks, and C. N. Owen, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Starch-resin reaction product and method of producing the same. 2,450,377, Sept. 28.
- Kesling, Elmer G., Bloomfield, Mo. Calculator. 2,450,668, Oct. 5.
- Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook for sewing machines. 2,435,358, Feb. 3.
- Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine loop-taker mechanism. 2,441,937, May 18.
- Kessler, Jack, Brooklyn, N. Y. Pajama. 2,448,438, Aug. 31.
- Kessler, Joseph S., assignor to Tri-Clover Machine Co., Kenosha, Wis. Pump and impeller therefor. 2,456,128, Dec. 14.
- Kessler, Milton, assignee: *See*—McCabe, Edward J.
- Kessler, Philip V., Phillipsdale, and J. B. Moss, Providence, assignors to Kennecott Wire and Cable Company, Phillipsdale, R. I. Applicator for applying insulation to wire. 2,455,499, Dec. 7.
- Kestenman Bros. Mfg. Co., assignee: *See*—Valcourt, Louis E.
- Kester, Arnold A.: *See*—Meyers, Donald L., and Kester.
- Kester, Arthur S.: *See*—Christensen, Harold E., Stein, and Kester.
- Kester, Ernest B., and H. M. Preusser, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Glycidyl esters. 2,448,602, Sept. 7.
- Kester, Robert E., and H. R. Smith, Dayton, Ohio. Antenna connector. 2,444,934, July 13.
- Kester, Robert E., and W. S. Quincy, Jr., Dayton, Ohio. Mast antenna. 2,445,329, July 20.
- Ketarome Limited, assignee: *See*—Weizmann, Charles.
- Ketcham, Lyman G., Kearny, assignor to Automatic Manufacturing Corporation, East Newark, N. J. Tuned transformer assembly. 2,435,630, Feb. 10.
- Ketcham, Newton H.: *See*—Cogan, Howard D., and Ketcham.
- Ketchledge, Raymond W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,434,273, Jan. 13.
- Ketchum, William R., Maricopa County, Ariz. Citrus juice screener. 2,439,543, Apr. 13.
- Ketelsen, Peter: *See*—Giwosky, Harry L., and Ketelsen.
- Ketland, William E., Alexandria, Va. Fish picker. 2,445,620, July 20.
- Ketterer, Stanley J., St. Louis, Mo. Thread feeding device. 2,449,302, Sept. 14.
- Kettering, Charles F., and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Control. 2,456,198, Dec. 14.
- Ketterman, Sylvan K.: *See*—Hall, Mardhand B., and Ketterman.
- Ketting, Leendert, Secaucus, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,438,220, Mar. 23.
- Kettlewell, Eric, Kingsbury, London, England, assignor to General Electric Company. Seal for electric discharge devices and manufacture. 2,438,562, Mar. 30.
- Keuffel, Carl W.: *See*—Beeber, Allan R. A., Jacobus, and Keuffel.
- Keuffel & Esser Company, assignee: *See*—Ketting, Leendert.
- Patrosio, William, and Ferber.
- Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry marking machine. 2,443,426, June 15.
- Keyers, Norman R., assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Game or toy. 2,433,995, Jan. 6.
- Kevin, Thomas D., Oswego, Oreg., and P. B. Payne, Seattle, Wash. Sanitary container for brushes. 2,448,603, Sept. 7.
- Keyes, Grafton H.: *See*—Brooker, Leslie G. S., and Keyes.
- Keyes, John J.: *See*—Hill, Lawrence R., and Keyes.
- Keyworth, James C., assignor to Bendix Aviation Corporation, South Bend, Ind. Flow meter. 2,445,854, July 27.
- Khakiani, Hassanally K., Bombay, British India. Hospital bedstead. 2,437,096, Mar. 2.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Making 2-hydroxy-methyl-1,4-dioxane. 2,434,414, Jan. 13.
- Kharasch, Morris S., Chicago, Ill., assignor to The United States of America as represented by the Secretary of War. Deleaching gasoline. 2,453,138, Nov. 9.
- Kharasch, Morris S., Chicago, Ill., and S. Weinhouse, Chester, Pa., assignors to the United States of America as represented by the Secretary of War. Thiol derivatives. 2,445,356, July 20.
- Kibler, Charles J.: *See*—Weissberger, Arnold, Kibler, and Porter.
- Weissberger, Arnold, Kibler, and Young.
- Kidd, Frederick and T. D., Stockton-on-Tees, England. Chuck and face-plate for grinding machines. 2,439,662, Apr. 13.
- Kidd, Robert S., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Starting and generator-driving mechanism for engines. 2,457,311, Dec. 28.
- Kidd, Thomas D.: *See*—Kidd, Frederick and T. D.

- Kidde Manufacturing Co., Inc., assignee: *See*—
Freygang, Walter H.
- Kidder, Monroe C., assignee: *See*—
Swanee, Elmo E.
- Kidder, Ray E., Riverside, and J. W. Berry, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Infrared gas analyzer. 2,443,427, June 15.
- Kidney, Carleton B., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Locking and adjusting device. 2,456,516, Dec. 14.
- Kief, George J., Norwood, Ohio. Scraper for fountain blades. 2,435,009, Jan. 27.
- Kieffer, Raymond J.: *See*—
Gilbert, Lowell B., and Kieffer.
- Kieffer, Raymond J., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Intermittent cam. 2,445,223, July 13.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Drive shaft housing for outboard motors. 2,442,728, June 1.
- Kieley & Mueller, Inc., assignee: *See*—
Quiroz, Francisco A.
- Kielhorn, Lloyd V.: *See*—
Marean, Browning E., Jr. and Kielhorn.
- Kiellmeyer, La Vern E., assignee: *See*—
Davis, Sydney B.
- Kienle, Roy H.: *See*—
Amick, Chester A., and Kienle.
- Kiersey, Robert C., Roy, N. Mex. Tilting chute. 2,446,769, Aug. 10.
- Kiersted, Wynkoop, Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Filtration. 2,449,902, Sept. 21.
- Kiesewetter, Walter, Ferndale, Mich. Ventilating window. 2,449,389, Sept. 14.
- Kihlgren, Theodore E., Scotch Plains, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Nickel electrode for welding cast iron. 2,444,654, July 6.
- Kihlgren, Theodore E., Scotch Plains, and C. E. Lacy, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Producing welded joints. 2,445,951, July 27.
- Kihn, George A., Richmond, Staten Island, N. Y., assignor to American Machine and Foundry Company. Duplex package and making the same. 2,452,014, Oct. 19.
- Kilander, Acton K.: *See*—
Edsall, Lou B., Kilander, Kormendi, and Boeckeler.
- Kilborn, Karl B., assignor to Wingfoot Corporation, Akron, Ohio. Extruding apparatus. 2,444,831, July 6.
- Kilchenmann, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Coupling device for opposed pistons in free-piston engines. 2,446,423, Aug. 3.
- Kile, Clifford S., Hutchinson, Kans. Dental articulator and producing same. 2,434,415, Jan. 13.
- Kilgore, Lee A., Forest Hills, and S. L. Lindbeck, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for synchronous machines. 2,451,958, Oct. 19.
- Kilham, Peter, Attleboro, assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield. 2,434,076, Jan. 6.
- Kilham, Peter, Attleboro, Mass. Bending brake having unitary actuating means for clamping and bending sheet metal. 2,438,057, Mar. 16.
- Kilham, Peter, Attleboro, Mass. Bending brake. 2,438,319, Mar. 23.
- Kilheffer, Lawrence D.: *See*—
Mumma, Robert E., and Kilheffer.
- Kilholm, John B. R., Koping, Sweden. Impulse transmitting apparatus. 2,457,381, Dec. 28.
- Killian, Andrew: *See*—
Gottl, George A., and Killian, and Volpicelli.
- Killian, Donald B.: *See*—
Callaway, Jack B., and Killian.
- Killian, Orvel G., Wapakoneta, and B. O. Austin, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,449,486, Sept. 14.
- Killingsworth, Robert B., Douglaston, H. T. Van Horn, Kew Gardens, and W. E. Spelschue, Roslyn Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidized asphalt product and making same. 2,453,094, Nov. 2.
- Killmer, Miles I., assignor to Mason & Hanger Co., Inc., New York, N. Y. Bolt tightening apparatus. 2,436,650, Feb. 24.
- Kimball, A., Company, assignee: *See*—
Johansson, Karl L.
- Kimball, Albert W.: *See*—
Rustebakke, Homer M., and Kimball.
- Kimball, Charles E., assignee: *See*—
Flischer, Waldo F.
- Kimball, Charles N., Kansas City, Mo., assignor to Radio Corporation of America. Modulation. 2,443,958, June 22.
- Kimball, Donald E., Cleveland Heights, Ohio. Eyeshield. 2,446,048, July 27.
- Kimball, James L., and R. C. Earley, Danvers, assignors to Ruggles-Klingemann Mfg. Co., Salem, Mass. Pilot valve for combined temperature and pressure control apparatus. 2,449,123, Sept. 14.
- Kimball, June W., Athens, Ohio. Fatten-the-pig savings bank. 2,448,807, Sept. 7.
- Kimball, Marston H., Alhambra, assignor of one-fourth to E. Maharg, Los Angeles, Calif. Harvester. 2,441,244, May 11.
- Kimber, Arthur: *See*—
Hatala, Raymond F., and Kimber.
- Kimberley, Walter R.: *See*—
Weyenberg, Henry, and Kimberley.
- Kimberlin, Carna M., assignor to Red Ball Manufacturing Company, Spokane, Wash. Engine cooling liquid heater. 2,440,610, Apr. 27.
- Kimberlin, Charles N., Jr.: *See*—
Pierce, Jerry A., Kimberlin.
- Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Accelerating alumina hydrosol formation by aeration. 2,453,847, Nov. 16.
- Kimberlin, Charles N., Jr., and J. A. Pierce, Baton Rouge, La., assignor to Standard Oil Development Company. Drying spherical hydrogel catalysts. 2,443,462, June 15.
- Kimberlin, Charles N., Jr., and J. A. Pierce, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing an inorganic hydrogel. 2,448,439, Aug. 31.
- Kimberly, Albert E., Jr., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission mechanism. 2,450,896, Oct. 12.
- Kimmell, Geraldine M., Pasadena, Calif. Garter belt. 2,435,311, Feb. 3.
- Kimney, Jesse F., Houston, Tex. Pipe roller. 2,444,353, June 29.
- Kimmons, Arthur H., Burgettstown, Pa. Musical instrument. 2,449,124, Sept. 14.
- Kimsey, William A.: *See*—
Siekmann, Harold J., and Kimsey.
- Kincaid, Walter C.: *See*—
Hallier, Albert H., Harris, Kincaid, Denson, and Davis.
- Kincaid, William S., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich. Gas cock. 2,457,779, Dec. 28.
- Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Outboard motor lubrication. 2,440,388, Apr. 27.
- Kincheloe, Dwight N., Quincy, Ill. Air supply device for respirators. 2,438,058, Mar. 16.
- Kind, Jacob, Astoria, Long Island, N. Y. Squeegee with blade-holding grip responsive to handle setting. 2,440,099, Apr. 20.
- Kindsvater, William E., Paige, Idaho. Mucking machine for mine shafts. 2,452,763, Nov. 2.
- Kindt, Ernest T., Lakewood, Ohio. Doweled structure. 2,451,747, Oct. 19.
- Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F.
Rhodes, William W.
- King, Aden J., assignor to King Laboratories Inc., Syracuse, N. Y. Gutter structure. 2,437,097, Mar. 2.
- King, Alexander S., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,457,157, Dec. 28.
- King, Anthony B., Brooklyn, N. Y. Trigonometric calculator. 2,452,662, Nov. 2.
- King, Barnwell R., Flushing, N. Y., assignor to The Linde Air Products Company. Metal surface conditioning process. 2,453,019, Nov. 2.
- King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Canopy mounting and releasing mechanism. 2,445,438, July 20.
- King, Douglas H., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clip for coiling wire. 2,455,683, Dec. 7.
- King, Edward A. H., Port Washington, N. Y. Applicators for liquid medicinal preparations. 2,449,125, Sept. 14.
- King, Ellis G., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Sealing element including a binder consisting of polyisobutylene and factice. 2,454,283, Nov. 23.
- King, Elmer L., Jeannette, Pa., assignor to The L. S. Street Company, Athol, Mass. Mechanic's square. 2,448,440, Aug. 31.
- King, Frank E.: *See*—
Johnson, Charles J., and King.
- King, Frederick H., Detroit, Mich. Marble game. 2,455,012, Nov. 30.
- King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric hoist control system. 2,456,950, Dec. 21.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controller. 2,436,308, Feb. 17.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor control system. 2,438,010, Mar. 16.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for electric work and feed motors. 2,441,155, May 11.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Work and feed motor control system. 2,443,656, June 22.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,443,657, June 22.

- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,445,439, July 20.
- King, Gladys S., Metairie, La., assignor to J. M. Fountain, Bryan, Tex. Herbicides. 2,446,836, Aug. 10.
- King, Irving, Beverly Hills, Calif. Adjustable shoe tree. 2,443,792, June 22.
- King, James R., Florence, S. C., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Holder for artificial teeth. 2,453,518, Nov. 9.
- King, John A., Albany, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Production of amides. 2,456,785, Dec. 21.
- King, John H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure compensated submarine sound transmitter or receiver. 2,444,049, June 29.
- King, John L.: *See*—
Brady, Samuel G., and King.
- King, John L., assignor to Miracle Lubricating Company, Detroit, Mich. Welding electrode holder. 2,452,199, Oct. 26.
- King, John P., Pawtucket, R. I., assignor to Smith-King Company. Yarn guide for braider carriers. 2,437,539, Mar. 9.
- King, John W., and J. J. McNamee, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Clamp. 2,439,364, Apr. 6.
- King Laboratories Inc., assignee: *See*—
King, Aden J.
- King, Lucille, Bartow, Fla. Hair curler. 2,454,459, Nov. 23.
- King, Nathaniel: *See*—
Thompson, Harold L., and King.
- King, Peter, Washington, D. C. Depositing nonreflective films and composition therefor. 2,455,367, Dec. 7.
- King Ranch, Inc., assignee: *See*—
Baldwin, Joseph P.
- King, Robert G., Norwalk, and R. J. King, New Canaan, assignors to The Photo Technical Corporation, Norwalk, Conn. Producing lower alkyl esters. 2,447,186, Aug. 17.
- King, Robert J.: *See*—
King, Robert G. and R. J.
- King, Rodney W.: *See*—
Ammann, Charles E., and King.
- King-Seely Corporation, assignee: *See*—
Bell, Rupert B.
- King, Victor L.: *See*—
Dean, Russell T., King and Laury.
- King, Walter F., Edith, Tex. Collar attachment. 2,442,294, May 25.
- Kingdon, Ralph H.: *See*—
Jackson, John G., and Kingdon.
- Kingman, E. B., Co., assignee: *See*—
Howe, Robert F.
- Kingman, Rufus M., assignor, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Instrument drive. 2,451,032, Oct. 12.
- Kingsbury, Albert W., Moorestown, N. J., and W. H. Osborn, assignors to Phelps Dodge Corporation, New York, N. Y. Drying alum. 2,441,022, May 4.
- Kingsbury & Davis Machine Company, assignee: *See*—
Straw, Clayton.
- Kingsbury, Henry J., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Worktable for belt grinders or the like. 2,446,597, Aug. 10.
- Kingston, Arthur W., Denham near Slough, England. Making optical lenses. 2,443,390, June 15.
- Kingston Products Corporation, assignee: *See*—
Woolley, Lee A.
- Kingston, William H., Drighlington, Bradford, assignor of one-half to William Bywater Limited, Holbeck, Leeds, England. Felt hardening machine. 2,438,320, Mar. 23.
- Kingston, William H., Drighlington, Bradford, assignor of one-half to William Bywater Limited, Leeds, England. Felting machine. 2,448,441, Aug. 31.
- Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, administratrix, Trudeau, N. Y., W. A. Phelps, Madison, E. M. Smith, Montclair, N. J., and F. J. Singer, Rockville Centre, N. Y., and L. E. Melhuish, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telemetric data transmission system. 2,450,516, Oct. 5.
- Kinkead, Rita S., administratrix: *See*—
Kinkead, Fullerton S., Phelps, Smith, Singer, and Melhuish.
- Kinkel, Revere F., assignor to Buffalo Ankerite Gold Mines, Ltd., South Porcupine, Ontario, Canada. Wear plate for jaw crushers. 2,449,746, Sept. 21.
- Kinkella, Roger N., assignee: *See*—
Kahn, Milford L.
- Kinman, Thomas H., and L. J. Davies, Rugby, England, assignors to General Electric Company. Electron discharge device of the cavity resonator type. 2,443,463, June 15.
- Kinn, Theodore P., and D. R. Tashjian, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit regulator. 2,436,307, Feb. 17.
- Kinn, Theodore P., and D. R. Tashjian, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,438,009, Mar. 16.
- Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Adjusting means for yoke arrangements. 2,452,015, Oct. 19.
- Kinnear, Harry B., Columbus, Ohio, assignor, by mesne assignments, to Chromium Mining & Smelting Corporation, Limited, Sault Ste. Marie, Ontario, Canada. Treatment of cast iron. 2,444,354, June 29.
- Kinnear, James W., Jr., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Manufacturing bi-metallic bodies. 2,438,405, Mar. 23.
- Kinnear, Robert A.: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
- Kinner Motors, Inc., assignee: *See*—
Herring, Earl R., and Sander.
- Kinney, Aldon M., and A. N. Jergens, Cincinnati, Ohio. Homogenizer. 2,452,661, Nov. 2.
- Kinney, S. P., Engineers, Inc., assignee: *See*—
Kinney, Selwyne P., and Hartwick.
- Kinney, Selwyne P., Crafton, and L. M. Hartwick, Beaver, assignors, by mesne assignments, to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Strainer. 2,455,181, Nov. 30.
- Kinnier, Donald, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna reflector system. 2,453,751, Nov. 16.
- Kinsel, Anthony: *See*—
Breth, Ferdinand W., and Kinsel.
- Kintas, John, assignor to Beech Aircraft Corporation, Wichita, Kans. Shear and tension patch. 2,445,118, July 13.
- Kinyon, Allen L., Vancouver, Wash., and W. E. Scarborough, Portland, Oreg., assignors to United States of America, as represented by the Secretary of the Interior. Transmission line flashover detector. 2,434,933, Jan. 27.
- Kinzer, Charles W., Greenbelt, Md. Record posting apparatus. 2,452,059, Oct. 26.
- Kinzie, Charles J., Youngstown, and E. Wainer, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Porous refractory. Re. 22,997, May 4.
- Kinzinger, Siegfried M., Montclair, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Moistureproof film. 2,445,727, July 20.
- Kinzl, Karl, Vienna XIII, Austria. Ski fastening. 2,441,113, May 4.
- Kirby, A. G., assignee: *See*—
Wester, Ralph C.
- Kirby, Alexander J., Detroit, Mich. Dispenser for staples or the like. 2,436,577, Feb. 24.
- Kirby, Richard A., assignor to Expanded Rubber Company Limited, Croydon, England. The production of hard rubber. 2,449,390, Sept. 14.
- Kirchhof, Julius, Ruxton, Md., assignor, by mesne assignments, to Franklin Railway Supply Company, New York, N. Y. Locomotive valve arrangement. 2,441,156, May 11.
- Kirchhof, Julius, Ruxton, and R. P. Delano, Jr., Baltimore, Md., assignors, by mesne assignments, to Franklin Railway Supply Company, New York, N. Y. Rotary cam mechanism for actuating the valves of locomotives. 2,441,199, May 11.
- Kirchmeyer, Frederick J.: *See*—
Knauf, Albert E., and Kirchmeyer.
- Kirchner, Frederick K.: *See*—
Cavallito, Chester J., and Kirchner.
- Kirchner, Henry P.: *See*—
Melton, Romie L., Benner, and Kirchner.
- Kirchoff, Elden L., Hawthorne, Calif. Helicopter steering surface control. 2,437,324, Mar. 9.
- Kirgan, John, Elizabeth, N. J. Vapor compression still with liquid level cutoff. 2,441,361, May 11.
- Kirk & Blum Manufacturing Company, The, assignee: *See*—
Hulton, Charles S.
New, Roy W.
- Kirk, Donald, Jr.: *See*—
Bishop, Harold O., and Kirk.
- Kirk, Douglas: *See*—
Cass, Thomas F., Jr., Kirk, and Lanigan.
- Kirk, Erich H., assignee: *See*—
Joseph, Selig.
- Kirk, Francis E.: *See*—
Vogel, Oliver G., and Kirk.
- Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Impregnating leather with sulfonated polymeric compositions. 2,452,536, Nov. 2.
- Kirk, Joseph S., Seven Hills Village, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of half-ester of styrene-maleic anhydride copolymer and a solvent. 2,454,284, Nov. 23.
- Kirk, Philip, Philadelphia, Pa. Seat for use in aircraft. 2,437,199, Mar. 2.
- Kirk, Walter B.: *See*—
Rush, John W., and Kirk.
- Kirkbride, Chalmer G., College Station, and M. C. Hopkins, Texas City, Tex., assignors to Pan American Refining Corporation, New York, N. Y. Desalting crude oil. 2,454,605, Nov. 23.
- Kirkbride, John, Detroit, Mich. Soap dish. 2,456,877, Dec. 21.

- Kirkby, Raymond J., Sherman Oaks, Calif., assignor to Adel Precision Products Corp. Dispensing apparatus. 2,441,706, May 18.
- Kirkby, Raymond J., Sherman Oaks, Calif., assignor to Adel Precision Products Corp. Valve mechanism for handling liquefied gases and the like. 2,451,559, Oct. 19.
- Kirkham, Hall, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Automatic power position hold for control valves. 2,448,532, Sept. 7.
- Kirkland, Thelma L. and T. J., San Francisco, Calif. Washboard attachment for washing machine agitators. 2,447,755, Aug. 24.
- Kirkland, Thomas J.: *See*—
Kirkland, Thelma L. and T. J.
- Kirkley, Henry B., Camden, N. J. Differential leakage indicator. 2,449,556, Sept. 21.
- Kirkpatrick, Edward C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methionine isolation process. 2,443,391, June 15.
- Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Control means for air conditioning apparatus. 2,455,421, Dec. 7.
- Kirkpatrick, Hiram S., Fayetteville, N. C. Tobacco leaf support and drier. 2,455,684, Dec. 7.
- Kirkpatrick, James B.: *See*—
Brooks, John W., and Kirkpatrick.
- Kirkpatrick, James E., Sioux City, Iowa. Game. 2,441,074, May 4.
- Kirkpatrick, Joseph H., Jr., Darby, Pa. Testing device for electric tools and appliances. 2,442,771, June 8.
- Kirkpatrick, Joseph R.: *See*—
Resek, Marc, Focke, and Kirkpatrick.
- Kirkpatrick, Kingston V.: *See*—
Lane, Albert M., Kirkpatrick, and Erskine.
- Kirkpatrick, Wendell V., Bonita, Calif. Mechanical shorthand writing means. 2,449,126, Sept. 14.
- Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Reverse detergent. 2,435,925, Feb. 10.
- Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Reagent and resolving emulsions. 2,454,808, Nov. 30.
- Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.
- Kirkwood, Loren R., Oaklyn, N. J., and P. F. G. Holst, Mount Healthy, Ohio, assignors to Radio Corporation of America. Deflecting circuits. 2,449,169, Sept. 14.
- Kirschbaum, Abe F., Greenbelt, Md., assignor to H. M. Grubola, Washington, D. C., and E. F. Grubola, Long Island City, N. Y. Educational device. 2,454,655, Nov. 23.
- Kirschbaum, Harry M., Detroit, Mich. Apparatus responsive to variations in the light transmission of blood of living animals for indicating variations in the oxygen content thereof. 2,442,462, June 1.
- Kirschbaum, Herbert S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,447,655, Aug. 24.
- Kirschbaum, Herbert S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,448,442, Aug. 31.
- Kirschner, Otto S.: *See*—
Peterson, Fred W., and Kirschner.
- Kirwan, John O., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Selectable contact transmitter means for sensitive instruments. 2,452,764, Nov. 2.
- Kischitz, Alexander D., C. I. Gochenour, and R. E. Brailsford, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. The preparation of fluorine-containing cyclic hydrocarbons. 2,449,233, Sept. 14.
- Kiser, Fred H., Los Angeles, Calif. Necktie cabinet having outwardly swingable rack. 2,440,549, Apr. 27.
- Kiser, Ross, North Tazewell, Va. Trolley wire tap. 2,457,682, Dec. 28.
- Kishline, Floyd F.: *See*—
Wahlberg, Nils E., and Kishline.
- Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Method of assembling pistons. 2,437,824, Mar. 16.
- Kishline, Floyd F., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Piston. 2,449,657, Sept. 21.
- Kishner, Edward: *See*—
De Barbieri, Joseph L., and Kishner.
- Kispersky, John P.: *See*—
Seymour, Raymond B., and Kispersky.
- Kispersky, John P., West La Fayette, Ind., and R. B. Seymour, Chattanooga, Tenn., assignors to Monsanto Chemical Company. Heat-resistant copolymer of styrene and parachloro-alpha methylstyrene. 2,439,213, Apr. 6.
- Kispert, Joseph J., Mount Carmel, Conn. Ventilated corset. 2,454,606, Nov. 23.
- Kissel, Joseph, Osborn, Ohio. Caging mechanism for gyroscopes. 2,441,157, May 11.
- Kisting, John: *See*—
Wasko, Bernard, and Kisting.
- Kitchell, Horace Y., assignee: *See*—
French, Walter F.
- Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Alkylated phenol and producing same. 2,445,735, July 20.
- Kitchens, Garry C., Rutherford, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Preparing the potassium salt of ortho-formotoluide. 2,442,952, June 8.
- Kite Aircraft Corporation, assignee: *See*—
Brantly, Newby O.
- Kitlica, Stephen F., Cudahy, Wis., assignor to Ladish Co. Apparatus for making pipe bends. 2,442,325, May 25.
- Kitselman, Harry L., assignor to Indiana Steel & Wire Company, Muncie, Ind. Serving tool. 2,452,474, Oct. 26.
- Kittel, George P., West New York, and P. Wollner, Weehawken, assignors, by mesne assignments, to Aeroil Product Company, Inc., West New York, N. J. Portable burner apparatus for generating and burning hydrocarbon vapor fuel. 2,457,683, Dec. 28.
- Kittel, Howard S., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Portable device for airplane landing wheels. 2,444,992, July 13.
- Kitterman, Jesse C., assignor of one-half to M. W. Dyer, Croydon, Ind. Sanding block. 2,457,045, Dec. 21.
- Kittle, Reynold J.: *See*—
Clark, Albert R., and Kittle.
- Kittleson, Allen R.: *See*—
Mikeska, Louis A., Kittleson, and Smith.
- Kittredge, Arthur E., Audubon, N. J. Pressure system. 2,448,604, Sept. 7.
- Kittredge, Raymond E., Binghamton, N. Y., assignor to Link Aviation, Inc. Training device. 2,439,169, Apr. 6.
- Kittrell, Ottis K., Lumberton, N. C. Oil burning tobacco curing stove. 2,453,233, Nov. 9.
- Kitzerow, Donald J., Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War. Localizer radio antenna array. 2,434,934, Jan. 27.
- Kizaur, Arthur J., Cicero, assignor to General Electric X-Ray Corporation, Chicago, Ill. Electrocardiograph. 2,438,341, Mar. 23.
- Kjellgren, Bengt R. F., University Heights, and H. Jaffe, Cleveland Heights, Ohio. Growing crystals. 2,452,576, Nov. 2.
- Kjellgren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Crystal seed and obtaining it. 2,456,831, Dec. 21.
- Kjos, Earl, assignee: *See*—
Baker, James A.
- Klaber, Joseph H., Conshohocken, and J. Bjorksten, Philadelphia, assignors to Quaker Chemical Products Corp., Conshohocken, Pa. Fire-resistant cellulose esters and ethers. 2,440,201, Apr. 20.
- Klaber, Joseph H., Conshohocken, Pa., and J. Bjorksten, Chicago, Ill., assignors to Quaker Chemical Products Corp., Conshohocken, Pa. Solid fire-resistant cellulose compound. 2,440,202, Apr. 20.
- Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent for degreasing iron and aluminum. 2,435,312, Feb. 3.
- Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent for degreasing iron and aluminum. 2,436,772, Feb. 24.
- Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent for degreasing iron and aluminum. 2,440,100, Apr. 20.
- Klaburner, Chester F., Baltimore, Md. Charge forming device. 2,444,199, June 29.
- Klain, Benjamin V., assignee: *See*—
Miller, Elwood A.
- Klammt, Arthur, New York, N. Y., and G. W. Kretzschmar, Garfield, N. J., assignors to W. M. Ritter Lumber Company. Conveyor and discharge mechanism for parquet flooring blocks. 2,441,323, May 11.
- Klarer, Willi: *See*—
Miescher, Karl, and Klarer.
- Klassett, George E., Atlanta, Ga. Brake drum truing machine. 2,434,498, Jan. 13.
- Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Variable speed transmission. 2,437,540, Mar. 9.
- Klaus, Edward J.: *See*—
Linder, Otto A., and Klaus.
- Kleeman, Francis S.: *See*—
Brown, William A., and Kleeman.
- Kleen Refrigerator, Inc., assignee: *See*—
Erland, of Kleen, Nils.
- Klein, Abraham A., Tel Aviv, Palestine. Brewing method using albedo in wort. 2,440,276, Apr. 27.
- Klein, David L., New York, N. Y. Slip. 2,434,112, Jan. 6.
- Klein, Gustav, Atlantic City, N. J., assignor to Caloric Gas Stove Works, Philadelphia, Pa. Door operated damper. 2,444,402, June 29.
- Klein, Harold L., and J. L. Courtwright, Columbus, Ohio, assignors, by mesne assignments, to Steel Shot Producers, Inc., Butler, Pa. Apparatus for forming solidified particles from molten material. 2,439,776, Apr. 13.
- Klein, Howard A.: *See*—
Moorman, Edward W., and Klein.
- Klein, Joseph S., Jr., Detroit, Mich. Valve seat grinder. 2,434,463, Jan. 13.
- Klein, Mathias, Hawthorne, N. J., assignor to Curtiss-Wright Corporation. Coaster brake. 2,457,241, Dec. 28.

- Klein, Robert E.: *See*—
Lind, Arthur C., and Klein.
- Klein, Robert E., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Self-aligning conveyer roll mounting. 2,451,894, Oct. 12.
- Klein, Victor G., and R. F. Schneller, assignors to Lincoln Engineering Company, St. Louis, Mo. Quick-acting valve mechanism for actuating the distributing valve of an expandable chamber motor. 2,437,391, Mar. 9.
- Klein, William B., Chicago, Ill. Slurry feeding apparatus. 2,446,373, Aug. 3.
- Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Brake cylinder release valve with retainer control. 2,444,993, July 13.
- Kleiner, George J., South Milwaukee, and W. Schumbacker, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding. 2,434,321, Jan. 13.
- Kleinfeld, Rudolph B., West Salem, Ohio. Engine cylinder. 2,447,508, Aug. 24.
- Kleinguenther, Herbert C.: *See*—
Allen, Harry L., and Kleinguenther.
- Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Purification of turpentine. 2,453,712, Nov. 16.
- Kleinicke, Werner E., Manhasset, assignor to The Johnson-March Corporation, New York, N. Y. Composition of matter. 2,436,146, Feb. 17.
- Kleinicke, Werner E., Manhasset, assignor to The Johnson-March Corporation, New York, N. Y. Composition for treating coal and the like. 2,448,605, Sept. 7.
- Kleinkauf, James D.: *See*—
Curl, Herbert C., and Kleinkauf.
- Kleinkort, Henry P., assignor to A. K. Bremer, New Washington, Ohio. Tow release mechanism. 2,453,139, Nov. 9.
- Kleinschmidt, Robert V., Stoneham, assignor to Arthur D. Little, Inc., Cambridge, Mass. Distillation and heat exchange apparatus. 2,446,880, Aug. 10.
- Kleinsmith, Ben, Seattle, Wash. Tight curl forming device. 2,454,558, Nov. 23.
- Kleintop, John H., Emmaus, Pa. Auxiliary frame and Sash. 2,453,992, Nov. 16.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Refrigerating plate and internal reinforcement therefor. 2,436,389, Feb. 24.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Vacuum plate. 2,436,390, Feb. 24.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Apparatus for cooling the interiors of containers. 2,449,127, Sept. 14.
- Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Pressure type freezer. 2,455,867, Dec. 7.
- Klemm, William F., Detroit, Mich. Punch for loose-leaf binders. 2,445,440, July 20.
- Klemp, Norman A., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of sponge polychloroprene rubber. 2,457,684, Dec. 28.
- Klemperer, Hans: *See*—
Dawson, John W., and Klemperer.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser charging and discharging system. 2,441,822, May 18.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,451,496, Oct. 19.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Ignition indicating device for welding systems. 2,452,060, Oct. 26.
- Klemperer, Otto E. H., Iver, England, assignor to Electric and Musical Industries, Ltd. Electron lens system. 2,441,769, May 18.
- Klemperer, Wolfgang B., Los Angeles, and E. H. Pier, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Computer. 2,439,365, Apr. 6.
- Klenk, Karl J., Wilmington, Del. Pruning shears and the like. 2,436,260, Feb. 17.
- Klepac, William L.: *See*—
Hintz, Herbert P., and Klepac.
- Klepp, Edwin C., London, England, assignor to S. Smith & Sons (England) Limited. Moving-coil electric instrument. 2,457,685, Dec. 28.
- Klie, Frank H., deceased, by L. E. Klie, executrix, Paris, Ill. Folding fan. 2,435,446, Feb. 3.
- Klie, Lillian E., executrix: *See*—
Klie, Frank H.
- Klien, Victor G.: *See*—
Mueller, Carl H., and Klien.
- Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Photoelectric system for remote indication of angular positions. 2,447,344, Aug. 17.
- Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Telemetric compass. 2,454,184, Nov. 16.
- Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Carburetor ice responsive device. 2,457,085, Dec. 21.
- Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Marking ink. 2,435,222, Feb. 3.
- Kline, Bernard L., Manhasset, and R. W. Harris, Garden City, assignors to The Western Union Telegraph Company, New York, N. Y. Producing facsimile telegraph signals. 2,435,223, Feb. 3.
- Kline, Donald, Aurora, assignor to Blackstone Manufacturing Co., Inc., Chicago, Ill. Adjustable shelving construction. 2,447,704, Aug. 24.
- Kline, Elizabeth L., Memphis, Tenn. Hair dressing device. 2,446,424, Aug. 3.
- Kline, John E., Grosse Pointe Farms, assignor to Micro-matic Hone Corporation, Detroit, Mich. Stone assembly for honing tools. 2,436,215, Feb. 17.
- Kline, John E., Grosse Pointe Farms, D. T. Peden, Ann Arbor, and C. S. White, Dearborn, assignors to Micro-matic Hone Corporation, Detroit, Mich. Peening device. 2,442,009, May 25.
- Kline, Joseph W., New York, N. Y. Juice extractor with vacuum cup rotor. 2,444,298, June 29.
- Kling Bros. Engineering Works, assignee: *See*—
Jorgenson, John P.
- Kling, Harold E.: *See*—
Bender, Harry, Obrecht, and Kling.
- Kling, Nelson G.: *See*—
Ashton, Benjamin N., and Kling.
Solovioff, Nicholas N., and Kling.
- Klingener, John C.: *See*—
Kreamer, William H., Klingener, and Bauer.
- Klinicki, Anthony S., Detroit, Mich. Fish hook remover. 2,455,013, Nov. 30.
- Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Automatic arc welding apparatus. 2,446,598, Aug. 10.
- Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Movable magnetic shunt transformer. 2,450,732, Oct. 5.
- Klinkhamer, Hendrik A. W., and E. Cassee, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Safety device for rectifiers. 2,451,095, Oct. 12.
- Klint, Bernard C., assignor to B. C. Klint, G. Klint, D. Nyberg, and E. Nyberg, co-partners, doing business as Ny-Lint Tool & Mfg. Co., Rockford, Ill. Toy lift truck. 2,443,622, June 22.
- Klint, Grace, assignee, et al.: *See*—
Klint, Bernard C.
- Klipsch, Paul W., Hope, Ark. Rotating band tester. 2,450,003, Sept. 28.
- Klock, George E., Neenah, Wis., assignor to International Cellulotton Products Company, Chicago, Ill. Apparatus for packaging safety pins. 2,440,749, May 4.
- Klockars, Carl O., Slatersville, R. I. Grinding wheel dresser. 2,442,172, May 25.
- Klod, William J., Weehawken, N. J. Valve. 2,450,242, Sept. 28.
- Kloda, Stella A., Chicago, Ill. Sprayer for dehydrating apparatus. 2,450,599, Oct. 5.
- Kloekener, Fritz, New York, N. Y. Fabric. 2,450,047, Sept. 28.
- Kloos, Gerard, Mount Vernon, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray apparatus. 2,453,798, Nov. 16.
- Klopfenstein, Jesse D., and H. C. Rathke, assignor to The Meyercoed Company, Chicago, Ill. Decalcomania applying machine. 2,435,224, Feb. 3.
- Klosek, Adam R., Jersey City, N. J. Lamp shade. 2,435,786, Feb. 10.
- Klotsch, Paul, assignor to Crosley Motors, Inc., Cincinnati, Ohio. Cooling system for internal-combustion engines. 2,456,951, Dec. 21.
- Kluender, Edward C., Schenectady, N. Y., assignor to General Electric Company. Sensitivity time control. 2,456,952, Dec. 21.
- Kluge, Herman D.: *See*—
Patterson, John A., and Kluge.
- Kluge, Herman D., and J. A. Patterson, Wappingers Falls, assignors to The Texas Company, New York, N. Y. Oxidation-inhibited lubricating compositions. 2,452,320, Oct. 26.
- Kluge, Herman D., Wappingers Falls, and J. A. Patterson, Newburgh, assignors to The Texas Company, New York, N. Y. Rust preventive composition. 2,452,321, Oct. 26.
- Klukan, Joseph F., Garfield Heights, assignor to Chandler Products Corporation, Euclid, Ohio. Truing mechanism for grinding wheels. 2,451,395, Oct. 12.
- Klumb, Carl E., assignor to West Bend Equipment Corporation, West Bend, Wis. Caster construction. 2,447,582, Aug. 24.
- Klump, Gottlob, Bronx, N. Y. Electric cooker. 2,434,166, Jan. 6.
- Kluppel, Clement B., Houston, Tex., assignor to Clark Bros. Co., Inc., Olean, N. Y. Crankshaft mounting. 2,434,659, Jan. 20.
- Kmieciak, Leo J., assignor, by mesne assignments, to McDonnell & Miller, Inc., Chicago, Ill. Snap switch. 2,454,185, Nov. 16.
- Knaggs, Harold J., assignor to The Weatherhead Company, Cleveland, Ohio. Hose insert. 2,446,599, Aug. 10.
- Knapp, James W., Brockport, and J. C. O'Brien, assignors to General Railway Signal Company, Rochester, N. Y. Continuously checked communication system. 2,435,010, Jan. 27.

- Knapp, John, Holland, Mich. Fruit gatherer. 2,436,173, Feb. 17.
- Knapp Leslie E.: *See*—
Maxim Hiram H. and Knapp.
- Knapp-Monarch Company, assignee: *See*—
Moeller, George L.
Snyder, Leland H.
- Knapp, William E., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Tractor mounted loader. 2,454,461, Nov. 23.
- Knapp, William J.: *See*—
Amberg, Charles R., and Knapp.
Huck, Alfred J.
- Knauert, William F., Yonkers, assignor to Sonotone Corporation, Elmsford, N. Y. Electromagnetic earphone receiver. 2,449,557, Sept. 21.
- Knauf, Albert E., and F. J. Kirchmeyer, Waukegan, Ill., assignors to Abbott Laboratories. Riboflavin solution. 2,440,050, Apr. 20.
- Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Art of winding odd-shape coils. 2,448,672, Sept. 7.
- Knaus, Nicholas, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Overedge sewing machine. 2,441,099, May 4.
- Knaus, Nicholas, Cranford, and P. J. Anton, Elizabeth, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Overedge sewing machine. 2,434,619, Jan. 13.
- Knauth, Walter T., assignor to The Milwhite Co., Inc., Houston, Tex. Switch controlling assembly. 2,435,143, Jan. 27.
- Kneass, Strickland, Jr.: *See*—
Anderson, David P., and Kneass.
- Knell, Christopher V.: *See*—
Riggs, Joseph A., Worthington, and Knell.
- Knellwolf, Hans C., Zurich, Switzerland. Shoe sole. 2,455,500, Dec. 7.
- Knepfar, John C.: *See*—
Alling, B. Roy, and Knepfar.
- Kness, Austin E., Albia, Iowa. Animal trap. 2,433,913, Jan. 6.
- Kniel, Ludwig, Jackson Heights, assignor to The Lummus Company, New York, N. Y. Prefractionation of hydrocarbon alkylate to eliminate propane. 2,457,564, Dec. 28.
- Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Process and apparatus for heating hydrocarbon fluids. 2,456,787, Dec. 21.
- Kniel, Ludwig, Scarsdale, and P. Lambert, Jackson Heights, N. Y., and H. R. Treat, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Heating of hydrocarbon fluids. 2,456,786, Dec. 21.
- Knight, Arthur H., and W. E. Stephen, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Disazo dyestuffs. 2,436,436, Feb. 24.
- Knight, Cosler D., Chicago, Ill., assignor to Zenith Radio Corporation. High gain amplifier. 2,455,501, Dec. 7.
- Knight, Elmer S., Cordova Bay, British Columbia, Canada. Device for winding a plurality of lines at relatively irregular speeds about a common shaft. 2,435,787, Feb. 10.
- Knight, Floyd C., East Cleveland, and J. R. Pierce, Cleveland, Ohio, assignors, by mesne assignments, to Arcrods Corporation. Apparatus for forming welding tapes. 2,444,262, June 29.
- Knight, Frank E., Northampton, Mass. Tool for rotating threaded articles. 2,434,660, Jan. 20.
- Knight, William W., Birmingham, Ala. Supplementary exhaust port for steam locomotives. 2,440,373, Apr. 27.
- Knitter, Chester C., Chicago, Ill. Bicycle stoplight. 2,449,782, Sept. 21.
- Kniveton, James, Wyncote, assignor to Selas Corporation of America, Philadelphia, Pa. Method of and apparatus for heating stacked bodies. 2,454,253, Nov. 16.
- Kniznick, Joseph D., Bronx, N. Y. Strip binder for record albums or scrap books. 2,444,355, June 29.
- Knobel, Max: *See*—
Schlirmer, Cyrus T., and Knobel.
- Knoblauch, Ernest O., St. Louis, Mo. Valved coupling. 2,434,167, Jan. 6.
- Knoble, Jack R., assignor to Roofing Machinery Mfg. Company, Chicago, Ill. Winder apparatus. 2,449,234, Sept. 14.
- Knoble, Louis, Sr., Council Bluffs, Iowa. Hat. 2,442,816, June 8.
- Knobloch, George H., Keyport, N. J. Adjustable baffle holding device. 2,452,936, Nov. 2.
- Knol, Kornelis S., and J. M. van Hofweegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Very high frequency electric discharge tube. 2,446,374, Aug. 3.
- Knoop, Walter A., Jr., Packanack Lake, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Pulse generator. 2,438,706, Mar. 30.
- Knorr, Camillo A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone set. 2,438,922, Apr. 6.
- Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyleting machine. 2,443,682, June 22.
- Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Automatic manually controlled clutch. 2,450,048, Sept. 28.
- Knott, Edward B.: *See*—
Davey, Edward P., and Knott.
Hamer, Frances M., and Knott.
- Knott, Edward B., and G. W. W. Stevens, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Multilayer photographic element having a mixed grain emulsion and process employing it. 2,452,765, Nov. 2.
- Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic reversal processes. 2,456,953, Dec. 21.
- Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic reversal processes. 2,456,954, Dec. 21.
- Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic processes and light-sensitive elements therefor. 2,456,955, Dec. 21.
- Knott, Edward B., and G. W. W. Stevens, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic processes and light-sensitive elements therefor. 2,456,956, Dec. 21.
- Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Imparting surface effects to thermoplastic sheets. 2,446,771, Aug. 10.
- Knowler, Henry, Isle-of-Wight, assignor to Saunders-Roe Limited, East Cowes, Isle-of-Wight, England. Mooring gear for flying boats. 2,447,945, Aug. 24.
- Knowles, Edward R., Nashua, N. H. Injection molding machine. 2,438,856, Mar. 30.
- Knowles, Edward R., Nashua, N. H. Injection unit for plastics molding. 2,438,857, Mar. 30.
- Knowles, Edward R., Nashua, N. H. Plastics molding apparatus. 2,447,256, Aug. 17.
- Knowles, Richard E., assignor to W. B. Coon Company, Rochester, N. Y. Special lining for shoes forming prescription pockets. 2,435,313, Feb. 3.
- Knowles, Robert B., Maywood, Calif. Fluid operated pump for oil wells and the like. 2,451,560, Oct. 19.
- Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine with resilient work holding clamp. 2,452,663, Nov. 2.
- Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun turret. 2,457,242, Dec. 28.
- Knowlton, Cutler D., Rockport, and G. F. C. Burke, Fairhaven, assignors to Hoagse-Sprague Corporation, Lynn, Mass. Machine for making box blanks. 2,444,050, June 29.
- Knowlton, Cutler D., Rockport, and D. Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating hides, skins, and leather. 2,449,128, Sept. 14.
- Knowlton, Cutler D., Rockport, and D. Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Continuous brushing machine for leather. 2,451,561, Oct. 19.
- Knox, Arthur L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic phonograph. 2,450,378, Sept. 28.
- Knox, Graham, San Francisco, Calif. Lathe spindle stop. 2,450,004, Sept. 28.
- Knox, Thomas, Newtown, Pa., assignor, by mesne assignments, to Kaiser Fleetwings, Inc. Shock absorbing strut for aircraft. 2,438,011, Mar. 16.
- Knubel, Barbara B., Westport, Conn. Stocking protector. 2,450,968, Oct. 12.
- Knudsen, Erling M., Arlington, N. J., assignor to Curtiss-Wright Corporation. Electric slip-ring and brush connection. 2,451,959, Oct. 19.
- Knudsen, Hans, London, England. Preheating and vaporization of fuel for internal-combustion reaction motors. 2,438,247, Mar. 23.
- Knudsen, Knud J., Waterbury, assignor to The Lewis Engineering Company, Naugatuck, Conn. Temperature compensated electrical bridge circuit. 2,443,073, June 8.
- Knudsen, Knud J., Waterbury, assignor to The Lewis Engineering Company, Naugatuck, Conn. Electrical ratio meter circuit. 2,452,244, Oct. 26.
- Knudsen, Percy E., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass-lined container for corrosive substances. 2,450,146, Sept. 28.
- Knull, Raymond P.: *See*—
Peachey, Leroy S., and Knull.
- Knutson, Lester T., Minneapolis, Minn. Universal indicator support. 2,456,003, Dec. 14.
- Knutson, Norman T., Chicago, and P. C. Foote, Lake Bluff, assignors to Bell & Howell Company, Chicago, Ill. Adjustable condenser lens for projection systems. 2,456,711, Dec. 21.
- Kobernick, Sergius T., Upper Darby, Pa. Automobile control mechanism. 2,437,260, Mar. 9.
- Kobilsky, Manuel J.: *See*—
Labin, Edouard, and Kobilsky.
- Kobischke, Herbert: *See*—
Wunsch, Guido, Weinkauff, Sadowski, and Kobischke.

- Koch, Alfred F., Cincinnati, Ohio. Centering ring for adjustable toolholders. 2,435,396, Feb. 3.
- Koch, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Control grid for electric discharge devices and making same. 2,455,868, Dec. 7.
- Koch, August K. F., Detroit, Mich. Pencil with magazine and push type feed. 2,436,437, Feb. 24.
- Koch, Daniel O., Rahway, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vitreous bonding compositions. 2,457,158, Dec. 28.
- Koch, Frederick, Sparta, assignor to Associated Patentees, Inc., Ampere, N. J. Roll feed. 2,451,833, Oct. 19.
- Koch, Harold B., and J. U. Lehn, assignors to Animal Trap Company of America, Lititz, Pa. Gun trap. 2,456,957, Dec. 21.
- Koch, Stanley J., Clifton, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Contact terminal for vacuum tubes. 2,448,808, Sept. 7.
- Koch, Stanley J., Clifton, and R. E. Rutherford, Rutherford, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube screen and process. 2,438,668, Mar. 30.
- Koch, Stanley J., Clifton, and H. W. Leighton, Boonton, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Connector for vacuum tubes. 2,442,545, June 1.
- Koch, Theodor, Oosterbeek, Netherlands, assignor to American Enka Corporation, Enka, N. C. Preparation of cyclic oximes. 2,447,583, Aug. 24.
- Koch, Theodor, Oosterbeek, Netherlands, assignor, by mesne assignments, to American Enka Corporation, Enka, N. C. Preparation of amino-carboxylic-acids from lactams. 2,453,234, Nov. 9.
- Koch, William H., Minneapolis, Minn. Fence repair tool. 2,457,382, Dec. 28.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,435,140, Jan. 27.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Rectifier. 2,439,224, Apr. 6.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Radio protective system. 2,442,695, June 1.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Superregenerative receiver. 2,451,291, Oct. 12.
- Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Lubrication. 2,447,509, Aug. 24.
- Koehl, James A., Evanston, assignor to Central Commercial Company, Chicago, Ill. Musical key control. 2,452,307, Oct. 26.
- Koehler, Gustave J., Oakwood, Ohio. Fluid valve. 2,446,334, Aug. 3.
- Koci, Jerry C., Riverside, assignor to The Wolgen Company, Chicago, Ill. Amusement game. 2,435,141, Jan. 27.
- Koci, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Synchronous driving apparatus. 2,437,392, Mar. 9.
- Kocmich, Donald O., Western Springs, assignor to Trimount Instrument Co., Chicago, Ill. Pressure responsive switching device. 2,444,163, June 29.
- Koebel, Norbert K., Oak Park, assignor to Lindberg Engineering Company, Chicago, Ill. Gas generator. 2,436,309, Feb. 17.
- Koehler, Arthur P., Yuma, Ariz. Riveting machine. 2,435,652, Feb. 10.
- Koen, Lee O., assignee: *See*—Bowling, Leonard C.
- Koenig, Emil L., Brooklyn, assignor to General Railway Signal Company, Rochester, N. Y. Plug board arrangement. 2,446,232, Aug. 3.
- Koenig, Frank J., assignor to Skilsaw, Inc., Chicago, Ill. Floor sanding machine. 2,435,685, Feb. 10.
- Koenig, Louis R., New York, N. Y. Dumping scow. 2,444,299, June 29.
- Koenig, Paul, assignee: *See*—Rich, Carl.
- Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Data transmitting and indicating system. 2,443,623, June 22.
- Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interpolating potential divider and computer. 2,452,664, Nov. 2.
- Koepke, Walter, Baytown, Tex. Fish gig. 2,454,460, Nov. 23.
- Koepfel, Vernon E., Cato, Wis. Traction lug for automotive vehicles. 2,437,325, Mar. 9.
- Koester, George L., Jr.: *See*—Thompson, George J., Koester, Jr., and Fullman.
- Koett, Joseph B., assignor, by mesne assignments, to Koett Universal, Inc., Oneonta, N. Y. Lathe grinding device. 2,453,020, Nov. 2.
- Koett Universal, Inc., assignee: *See*—Koett, Joseph B.
- Kofalt, Joseph A.: *See*—Wheeler, Harold R., and Kofalt.
- Kofford, Reed S., Van Nuys, Calif. Water dispenser for poultry. 2,457,159, Dec. 28.
- Kogane, Leon, Paris, France, assignor to General Electric Company. Bidirectional selective remote control system. 2,449,391, Sept. 14.
- Kohl, Everard F., Lakewood, Ohio. Circuit interrupting device. 2,454,067, Nov. 16.
- Kohl, William R., Glenview, Ill. Garment hanger. 2,448,673, Sept. 7.
- Kohler, Oliver, and W. Rieder, Lebanon, Ill. said Kohler assignor to Harris Langenberg Hat Co., St. Louis, Mo. Plant for the rapid manufacture of straw hats. 2,455,257, Nov. 30.
- Kohlhagen, Walter, Elgin, Ill., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous electric motor. 2,444,164, June 29.
- Kohn, Joseph, Merion, Pa., and M. R. Stein, New York, N. Y., assignors to Universal Dental Company, Philadelphia, Pa. Forming artificial teeth. 2,434,416, Jan. 13.
- Kohn, Max, Brooklyn, N. Y. Lampshade. 2,437,825, Mar. 16.
- Kohout, Eugene A., Miami, Fla. Alarm system for doors having a plurality of door panels operated in succession. 2,455,780, Dec. 7.
- Kohrman, Hubert, Danbury, Conn. Apparatus for making artificial teeth. 2,439,138, Apr. 6.
- Kohut, Joseph P., U. S. Navy. Novelty lighter. 2,453,713, Nov. 16.
- Kokatnur, Vaman R., assignor to Autoxygen, Inc., New York, N. Y. Nitrating organic compounds. 2,435,314, Feb. 3.
- Kokatnur, Vaman R., assignor to Autoxygen, Inc., New York, N. Y. Nitrating organic compounds. 2,435,544, Feb. 3.
- Kolb, Peter V.: *See*—Whiteside, Robert S., and Kolb.
- Kolehmainen, Elmar, and H. S. Baird, Inglewood, Calif. Cooking utensil combination. 2,449,129, Sept. 14.
- Koletzko, Paul, assignee, et al.: *See*—Engler, Herman.
- Kollman, Alexander A., Los Angeles, Calif. Fishing bait holder. 2,436,109, Feb. 17.
- Kollman, Alexander A., Los Angeles, Calif. Hose clamp. 2,452,245, Oct. 26.
- Kollman, Alexander A., Los Angeles, Calif. Mechanical galloping horse. 2,454,656, Nov. 23.
- Kollman, Jack, assignor to Ekco Products Company, Chicago, Ill. Baking pan assembly. 2,447,126, Aug. 17.
- Kollmeyer, Walter T., Milwaukee, Wis. Traction pad. 2,438,563, Mar. 30.
- Kollsman, Paul, New York, N. Y. Compressor. 2,453,373, Nov. 9.
- Kollsman, Paul, New York, N. Y. Compressor. 2,453,374, Nov. 9.
- Kollsman, Paul, New York, N. Y. Compressor. 2,453,375, Nov. 9.
- Kolmes, Max G.: *See*—Skinner, Murray F., Denysen, and Kolmes.
- Kolodner, Irving, Brooklyn, and J. Munves, New York, N. Y. Angularly-adjustable handle for hand saws. 2,435,225, Feb. 3.
- Kolsky, Sam, Trenton, N. J. Device for framing ladies' handbags. 2,452,766, Nov. 2.
- Kolts, Tennes F., Long Beach, Calif. Dispensing container. 2,439,627, Apr. 13.
- Kolz, Frank F., Berkeley, Calif. Automatic freezer control and refrigerating system. 2,446,156, July 27.
- Kommer, Fred A., and R. W. Boehlow, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor device. 2,450,049, Sept. 28.
- Kommer, William V., Catawissa, Mo. Combination razor-strop holder and heater. 2,453,519, Nov. 9.
- Komorowski, Stanley A., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Furnace lining structure. 2,451,679, Oct. 19.
- Konchan, Anton W., Berwyn, Ill. Keyhole cover. 2,439,978, Apr. 20.
- Konelsky, Anna, New York, N. Y. Handbag lock. 2,453,021, Nov. 2.
- Konet, Henry, Paramus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Vane type transmitter. 2,438,406, Mar. 23.
- König, Rezső: *See*—Földi, Zoltán, Gerecs, Demjén, and König.
- Königstein, Marianne: *See*—Bergel, Franz, Morrison, Moss, Königstein, and Rinderknecht.
- Morrison, Alexander L., and Königstein.
- Koningsberger, Carel, Delft, assignor to Rubber Stichting, Amsterdam, Netherlands. Process for preparing homogeneous partially chlorinated derivatives of rubber. 2,448,809, Sept. 7.
- Konrad, Alexander, Cleveland, Ohio. Motor vehicle carrying case. 2,455,587, Dec. 7.
- Konrad, Hermann, Moutier, Switzerland. Pyrophoric lighter. 2,451,188, Oct. 12.
- Koima, Charles, Grand Rapids, Mich. Air collet closer. 2,455,586, Dec. 7.
- Koolstra, John A., assignor to Davis & Furber Machine Company, North Andover, Mass. Scavenger roll mechanism. 2,438,290, Mar. 23.
- Kooker, Benjamin H., Spokane, Wash. Timing mechanism for sprinkler systems. 2,442,498, June 1.

- Kooman, Jacob J., assignor to Confections, Inc., Chicago, Ill. Preparing candy coated confections. 2,451,096, Oct. 12.
- Koon, Archie W., and J. P. Thatcher, assignors to Columbian Rope Company, Auburn, N. Y. Moldable plastics composition and preparing same. 2,441,492, May 11.
- Koonen, Harold F., Clifton, N. J., assignor to S. B. Penick & Company, New York, N. Y. Extraction of rutin. 2,450,555, Oct. 5.
- Koonz, Carl H.: *See*—
Trelease, Richard D., and Koonz.
- Koopman, Kenneth H., Kenmore, N. Y., assignor to Haynes Stellite Company. Welding flux. 2,444,994, July 13.
- Kopeck, Walter, assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for welding tubing. 2,444,778, July 6.
- Kopecky, Donald G., Taft, Calif. Bottle stopper. 2,439,628, Apr. 13.
- Kopczynski, John F., Buffalo, N. Y. Tool. 2,434,702, Jan. 20.
- Kopita, Robert, Bound Brook, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Gas and liquid contact apparatus. 2,457,686, Dec. 28.
- Kopitke, William H., West Hartford, assignor to Plax Corporation, Hartford, Conn. Apparatus for forming hollow articles of organic plastic material. 2,457,687, Dec. 28.
- Kopp, George: *See*—
Stokes, Rupert O., and Kopp.
- Kopp Glass, Inc., assignee: *See*—
Leberknight, Charles E., and Ostrader.
- Kopp, Herman A., Bronx, N. Y. Antiglare vehicle attachment. 2,441,887, May 18.
- Kopp, Walter R., assignor to Olin Industries, Inc., New Haven, Conn. Flashlight switch. 2,443,539, June 15.
- Kopp, William, assignor to W. E. Geweke, Chicago, Ill. Necktie and collar attachment. 2,443,538, June 15.
- Koppel, Aubrey, Montreal, Quebec, Canada. Motion picture film reel. 2,450,517, Oct. 5.
- Koppel Engineering (Proprietary) Limited, assignee: *See*—
Crofton, Wilfred B.
- Koppel, Ernst R., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Gas valve safety shutoff. 2,437,163, Mar. 2.
- Koppel, Ernst R., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Dairy water heater. 2,448,183, Aug. 31.
- Koppelman, Morris D., New Haven, Conn., assignor to Olin Industries, Inc. Dry cell closure. 2,434,703, Jan. 20.
- Koppenhoefer, Robert M., Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Soluble oil composition. 2,456,587, Dec. 14.
- Kopperman, Paul, Philadelphia, Pa. Expansion joint and integral anchor. 2,445,484, July 20.
- Kopperman, Paul, Philadelphia, Pa. Corrugation limit stop. 2,445,485, July 20.
- Koppers Company, Inc., assignee: *See*—
Becker, Joseph.
Corson, Ben. B., and Detrick.
Corson, Ben. B., and Webb.
Fair, William F., Jr.
Gollmar, Herbert A.
Guy, Hubert G.
Hill, William H. and Veltman.
Insinger, Thomas H., Jr.
Johnson, Robert.
Keeling, William O.
Rhodes, Philip H.
Shaffer, Chester E.
Stahly, Eldon E.
Van der Hoeven, Bernard J. C.
- Kops, Earl A., San Diego, Calif. Forming die. 2,441,245, May 11.
- Koret, Stephaine D., San Francisco, Calif. Halter (for women). 2,437,541, Mar. 9.
- Korff, Walter H., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Tailless airplane. 2,439,048, Apr. 6.
- Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Phase indicating reflectometer. 2,442,606, June 1.
- Korman, Samuel B.: *See*—
Harrison, Meyer, and Korman.
- Kormendi, Laszlo: *See*—
Edsall, Lou B., Klander, Kormendi, and Boeckeler.
- Kormendi, Laszlo, assignee, et al.: *See*—
Boeckeler, Benjamin C.
- Korn, Arthur, Hoboken, N. J., and J. W. Hess and S. L. Ruskin, New York, N. Y.; A. Hess, administratrix of said J. W. Hess, deceased; E. P. Korn, administratrix of said A. Korn, deceased; assignors to said Ruskin. Altering the reflection of radar waves. 2,436,578, Feb. 24.
- Korn, Elizabeth P., administratrix: *See*—
Korn, Arthur, Hess, and Ruskin.
- Korpi, Karl, and A. R. Goldsby, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,436,965, Mar. 2.
- Korpi, Roy: *See*—
Jeter, Edgar C., and Korpi.
- Korsgren, Theodore Y., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Hot-air heater with fuel vaporizer and air mixer. 2,443,707, June 22.
- Korsmo, Torbjorn C., assignor to Madison-Kipp Corporation, Madison, Wis. Rotary tool for beading-over cylindrical flanges. 2,445,357, July 20.
- Kortan, Joseph F., Cleveland, Ohio. Support. 2,445,749, July 27.
- Korte, Alfred C., and A. N. Szwargulski, assignors to Carter Carburetor Corporation, St. Louis, Mo. Dynamoelectric machine commutation. 2,441,421, May 11.
- Kortum, Karl C., Petaluma, Calif. Mooring bitt. 2,435,447, Feb. 3.
- Koruzo, John E., and K. J. Mulvaney, Atlanta, Ga. Sewage treatment process. 2,442,241, May 25.
- Kosinski, Edward: *See*—
Flood, William E., and Kosinski.
- Kosinski, Walter A., Chicago, Ill. Apparatus for the production of metal ingots. 2,441,362, May 11.
- Koslowski, John: *See*—
Volkery, Bernhard, and Koslowski.
- Koslin, Nathan: *See*—
Ash, Arthur B., Carlson, Koslin, and Vaughn.
- Kosmer, Frank, Syracuse, N. Y., assignor to P. N. Braun Inc., Los Angeles, Calif. Locking mechanism for type wheels of printing machines. 2,435,434, Feb. 3.
- Kosmin, Milton, and W. S. Emerson, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Oxidation of isopropylbiphenyl. 2,447,414, Aug. 17.
- Kostelny, Stefan, Chicago, Ill. Antiskid chain securing device. 2,444,513, July 6.
- Koster, Frederick W., Wallingford, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for handling continuous yarns and the like. 2,447,982, Aug. 24.
- Kosterlitzky, Jose L. T., Guadalajara, Mexico. Coating metal articles. 2,434,855, Jan. 20.
- Kostick, Walter A., Minneapolis, Minn. Dumping truck lift. Re. 23,011, June 29.
- Kostkos, Henry J.: *See*—
McDermott, Scott J., and Kostkos.
- Kostrubanic, Michael, Jr.: *See*—
Van Sittert, Paul, Kostrubanic, and Lehman.
- Kostur, J. Edward, Amarillo, Tex. Restorable blowout indicating fuse. 2,444,200, June 29.
- Kotkin, E. E., assignee: *See*—
Kerr, Theodore W.
- Kotkins, Henry L., assignee: *See*—
Gerson, Morris.
- Kotler, Frank W.: *See*—
Delafontaine, Charles, and Kotler.
- Kott, Leo F., Detroit, Mich. Power tool. 2,457,565, Dec. 28.
- Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium elements. 2,438,923, Apr. 6.
- Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Dry rectifier element and manufacture. 2,452,577, Nov. 2.
- Kottmann, Arthur A., and F. Rohlfing, Davenport, assignors to The Bettendorf Company, Bettendorf, Iowa. Band blade guide. 2,434,884, Jan. 20.
- Kotzin, Tobias, Los Angeles, Calif. Garment. 2,455,588, Dec. 7.
- Kotzin, Tobias, Los Angeles, Calif. Trousers. 2,455,589, Dec. 7.
- Koucký, František: *See*—
Koucký, Josef.
- Koucký, Josef and F., assignors of one-third to Zbrojovka Brno Narodni Podnik, also named Brno Arms Factory National Corporation, Prague, Czechoslovakia. Removable trigger housing group for firearms. 2,448,810, Sept. 7.
- Koulicovitch, Maurice, assignor to Societe Genevoise D'Instruments De Physique, Geneva, Switzerland. Method of and device for producing pulses at the maximum or minimum of an electric impulse. 2,448,718, Sept. 7.
- Koury, Frederic: *See*—
Metten, Herbert, and Koury.
- Kovacs, Rene J. H., Paris, France. Apparatus for spinning and winding textile threads. 2,447,345, Aug. 17.
- Kovacs, Stella, and D. J. Fulkerson, Dearborn, Mich. Hairdressing ring. 2,445,071, July 13.
- Kovacs, William R., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rivet feeding device. 2,435,142, Jan. 27.
- Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulator. 2,434,569, Jan. 13.
- Kovary, Olivio, New York, N. Y. Carriage robe. 2,434,213, Jan. 6.
- Kovol, Peter: *See*—
Houser, Ethel, and Kovol.
- Kowalsky, Enez P., executrix: *See*—
Pagliaruli, Joseph N.
- Koza, Charles A., Pittsburgh, Pa. Angle drive construction. 2,438,291, Mar. 23.
- Kozlowski, Walter T., assignee: *See*—
Myers, Barton E.
- Kozma, Ladislav: *See*—
Kruithof, Jacob, and Kozma.
Kruithof, Jacob, Kozma, and den Hertog.

- Krabbe, Ulrik, Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, vasteras, Sweden. Operating separately excited direct-current motors. 2,455,869, Dec. 7.
- Kraeff, Herman L., Cleveland Heights, and L. J. Walters, Shaker Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Manufacturing tubular frame structures. 2,435,448, Feb. 3.
- Kraeff, Herman L., Cleveland Heights, and L. J. Walters, Shaker Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Tubular frame structure. 2,443,008, June 8.
- Kraemer, Robert W., Middle River, T. C. Hill, Parkville, and W. D. van Zelm, Ruxton, assignors to The Glenn L. Martin Company, Middle River, Md. Airplane wing flap and dive brake assembly. 2,445,833, July 27.
- Kraft, Frederick G., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding. 2,457,383, Dec. 28.
- Kraft, Charles H., Kansas City, Mo. Cabinet with compartments having interconnected locking means. 2,438,783, Mar. 30.
- Kraft Foods Company, assignee: *See*—Nelson, Clarence E.
- Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Tire repair vulcanizing apparatus. 2,439,896, Apr. 20.
- Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Repair vulcanizing apparatus. 2,442,499, June 1.
- Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Flexible cover for tire repair vulcanizers and method of making. 2,449,606, Sept. 21.
- Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire bead spreader. 2,451,097, Oct. 12.
- Kraft, Marie J., assignor to The Warren Featherbone Co., Three Oaks, Mich. Garment bag supporting frame. 2,442,364, June 1.
- Kraft, Marie J., Three Oaks, Mich., and M. Durey, Cleveland, Ohio, assignors to The Warren Featherbone Co., Three Oaks, Mich. Convertible raincoat or cape. 2,452,475, Oct. 26.
- Kraft, Marie J., assignor to The Warren Featherbone Co., Three Oaks, Mich. Apron. 2,453,074, Nov. 2.
- Kraft, Selmer A., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Hydraulic transmission. 2,443,074, June 8.
- Krajci, Samuel, and L. E. Savage, New Orleans, La., assignors to The Celotex Corporation, Chicago, Ill. Method of and apparatus for painting bevells. 2,451,960, Oct. 19.
- Krakauer, Samuel: *See*—Tanguay, Edgar, Kertesz, and Krakauer.
- Krakauer, Wallace: *See*—Tanguay, Edgar, Kertesz, and Krakauer.
- Krake, Foster, assignor to Sporting Specialties Company, Coloma, Mich. Boat trailer and the like. 2,448,443, Aug. 31.
- Krake, Foster, assignor to Sporting Specialties Company, Coloma, Mich. Boat-carrying trailer and the like. 2,452,937, Nov. 2.
- Krake, Foster, assignor to Sporting Specialties Company, Coloma, Mich. Boat-carrying trailer. 2,452,938, Nov. 2.
- Krall, Michael J., Newark, N. J. Curb guiding signal. 2,440,587, Apr. 27.
- Kramer, Alexander E., Hyattsville, Md., and V. F. Lucht, Washington, D. C. Muzzle closure device for guns. 2,438,924, Apr. 6.
- Kramer, Clarence F., Birmingham, Mich. Weatherstrip molding. 2,457,312, Dec. 28.
- Kramer, Edward N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processing of titanium ores. 2,437,164, Mar. 2.
- Kramer, Ferdinand, Port Chester, N. Y. Lounge chair. 2,449,747, Sept. 21.
- Kramer, Irvyn R., Washington, D. C. Nonmagnetic armor. 2,449,075, Sept. 14.
- Kramer, Israel, assignor to Kramer Trenton Company, Trenton, N. J. Defrosting mechanism in refrigerating apparatus. 2,440,146, Apr. 20.
- Kramer, Lester F., Enumclaw, Wash. Weed puller. 2,437,393, Mar. 9.
- Kramer, Richard S.: *See*—Huttner, Daniel, and Kramer.
- Kramer Trenton Company, assignee: *See*—Kramer, Israel.
- Kranick, Frank N. G.: *See*—Hansen, Charles W., and Kranick.
- Krantz, Hubert K., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive submarine signal transmitter or receiver. 2,438,925, Apr. 6.
- Krantz, Walter M., assignor to Ace Storm Window Company, Youngstown, Ohio. Corner piece structure. 2,447,346, Aug. 17.
- Krantz, Walter M., assignor to Ace Storm Window Company, Youngstown, Ohio. Corner structure. 2,447,347, Aug. 17.
- Kranzfelder, Arthur L.: *See*—Cislak, Francis E., and Kranzfelder.
- Krapcho, John: *See*—Clapp, Richard C., and Krapcho.
- Krapf, Herman C.: *See*—Renshaw, David E., and Krapf.
- Krapp, John T., Port Washington, N. Y. Coupling. 2,441,075, May 4.
- Krasberg, Rudolf, Chicago, Ill. Bottle cap. 2,444,779, July 6.
- Krasnow, Leonard, Worcester, Mass. Machine tool. 2,441,158, May 11.
- Krasnow, Shelley: *See*—Kaufman, Joseph M. S., and Krasnow.
- Krasnow, Shelley, Arlington, Va., and L. F. Curtiss, Montgomery County, Md. Signalling system for radioactive well logging. 2,436,008, Feb. 17.
- Kratchman, Frederick J., College Point, N. Y. Thread miller. 2,451,497, Oct. 19.
- Kratoville, Frank M., St. Louis, and F. M. Cunningham, Maplewood, assignors to James R. Kearney Corporation, St. Louis, Mo. Rolling machine. 2,439,170, Apr. 6.
- Kratz, John A., Bronxville, N. Y., assignor to The Linde Air Products Company. Rectifier system. 2,443,658, June 22.
- Krauer, Otto A., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Elevator load weighing apparatus. 2,439,608, Apr. 13.
- Kraus, Charles A., Providence, R. I., and J. D. Calfee, Manhasset, N. Y., assignors to Standard Oil Development Company. Polymerization catalysts and preparation thereof. 2,440,750, May 4.
- Kraus, Edmund, San Antonio, Tex. Awning. 2,448,984, Sept. 7.
- Kraus, John D., Newton Center, and C. A. Mizen, Needham Heights, Mass., assignors to United States of America as represented by the Secretary of War. Magnetic sweep generator. 2,446,837, Aug. 10.
- Kraus, John D., Newton Center, Mass., assignor to the United States of America as represented by the Secretary of War. Broad-band antenna. 2,452,767, Nov. 2.
- Kraus, Michael B., Jr.: *See*—Shirio, Morris A., and Kraus.
- Kraus, Philip B., Chadds Ford, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensing vaporized metal halides. 2,446,181, Aug. 3.
- Krause, Fred A., assignee: *See*—Bright, Elvin M.
- Krause, Frederick A., Hinsdale, Ill. Visible reservoir humidifier for containers. 2,443,139, June 8.
- Krause, Norman R., Racine, Wis. Self-cleaning screen or filter. 2,451,227, Oct. 12.
- Krause, Walter H., assignor, by mesne assignments, to Chicago Forging and Manufacturing Company, Chicago, Ill. Ratchet type latch. 2,446,934, Aug. 10.
- Krauss, Herbert, Woodside, N. Y. Temperature limiting hot-water system supply. 2,455,590, Dec. 7.
- Krauthaim, William C.: *See*—Travilla, Jame C., Jr., and Krauthaim.
- Krawitz, Gustave P.: *See*—Whitehurst, Graham, Slater, Bruno, Hubbard, and Krawitz.
- Kraybill, Henry R., and B. W. Beadle, assignors, by mesne assignments, to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, Chicago, Ill., as trustees for the benefit of American Meat Institute Foundation. Oxidation inhibitor for fats and oils. 2,451,748, Oct. 19.
- Kremer, Joseph A., Chicago, Ill. Protector pad. 2,446,654, Aug. 10.
- Kremer, William H., J. C. Klingener, and E. K. Bauer, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for treating filamentary material. 2,454,930, Nov. 30.
- Krebs, Ernst, Zurich, Switzerland. Friction-wheel regulating gear. 2,451,033, Oct. 12.
- Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Contacting solid particles with gaseous fluids. 2,443,190, June 15.
- Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Removing vaporous reactants from catalyst used in hydrocarbon conversion. 2,444,832, July 6.
- Krebsler, Adolf, Riehen, near Basel, and W. Bossard, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Copper containing disazo dyestuffs. 2,438,754, Mar. 30.
- Krebsler, Adolf, Riehen, and W. Kuster, Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Acid chromable monoazo dyestuffs and making same. 2,449,130, Sept. 14.
- Kreer, Oscar G., Detroit, Mich. Automatic electric toaster. 2,446,935, Aug. 10.
- Kreider, Benjamin R., Manheim, Pa. Wiping device for oil gauge rods. 2,439,171, Apr. 6.
- Kreiger, Gardner L.: *See*—Jams, Harley, Rose, and Kreiger.
- Kreisler, Jacques, New Rochelle, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Connector for bracelets, wrist watch straps, etc. 2,453,993, Nov. 16.
- Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—Kreisler, Jacques.
- Kreisler, Leslie.
- Kreisler, Leslie, and Siska.
- Siska, John G.

- Kreisler, Leslie, Teaneck, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Bracelet or the like and making the same. 2,451,749, Oct. 19.
- Kreisler, Leslie, Teaneck, and J. G. Siska, Cresskill, assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Bracelet and making same. 2,451,750, Oct. 19.
- Kreithen, Alexander: *See*—
Beard, Joseph G., Harralson, and Kreithen.
- Kreitzer, Johann: *See*—
Nettel, Frederick, and Kretzner.
- Kremers, Harry C., Cleveland Heights, and R. E. Price, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Production of welded silver chloride articles. 2,454,462, Nov. 23.
- Kremers, Roland E., Summit, N. J., assignor to General Foods Corporation, New York, N. Y. Imitation maple flavor. 2,446,478, Aug. 3.
- Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Thermal compensator for hydraulic systems. 2,436,009, Feb. 17.
- Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Pulsator system. 2,449,392, Sept. 14.
- Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Hydraulic control mechanism. 2,456,712, Dec. 21.
- Krenz, Harry, Somers Point, assignor to Ace Glass Incorporated, Vineland, N. J. Clamp for spherical joints. 2,457,384, Dec. 28.
- Krenzke, William F., deceased; E. A. Jacobsen, special administrator, assignor to Jacobsen Manufacturing Company, Racine, Wis. Motor fuel power induction device. 2,438,669, Mar. 30.
- Kreps, Samuel, New York, N. Y. Adjustable waistband. 2,435,315, Feb. 3.
- Kress, Willard C., Grand Island, assignor to J. H. Williams & Co., Buffalo, N. Y. Worm joint pliers or wrench. 2,444,135, June 29.
- Kretschmer, Frederick H., and C. G. Filter, assignors to Midland Laboratories, Dubuque, Iowa. Liquid dispenser. 2,456,958, Dec. 21.
- Kretzschmar, George W.: *See*—
Klammt, Arthur, and Kretzschmar.
- Kreuser, John A., Chicago, Ill. Heating plant and furnace. 2,433,407, Mar. 23.
- Kreutzer, Casper, Milltown, N. J. Dressing tool holder. 2,442,088, May 25.
- Kreutzer, Robert A., Menomonee Falls, Wis. Grapple for lifting milk cans. 2,447,073, Aug. 17.
- Krewson, Charles F.: *See*—
Couch, James F., and Krewson.
- Krieble, Robert H.: *See*—
Elliott, John R., and Krieble.
- Krieble, Robert H., Schenectady, N. Y., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Making phenol. 2,439,812, Apr. 20.
- Krieble, Robert H., Schenectady, N. Y., assignor to General Electric Company. Tris-(trimethylsilyl) borate and preparing the same. 2,440,101, Apr. 20.
- Krieble, Robert H., Schenectady, N. Y., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidation of benzene to phenol with an organic promoter. 2,440,233, Apr. 20.
- Krieble, Robert H., Schenectady, N. Y., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidation of benzene to phenol promoted by added ethers. 2,440,234, Apr. 20.
- Krieble, Robert H., and J. R. Elliott, Schenectady, N. Y., assignors to General Electric Company. Organosilicon-silica sols, gels, and aerogels. 2,441,422, May 11.
- Krieble, Robert H., and J. R. Elliott, Schenectady, N. Y., assignors to General Electric Company. Methyl siloxane gums and elastomers. 2,457,688, Dec. 28.
- Krieble, Vernon K., Hartford, Conn., and R. H. Smellie, Oak Ridge, Tenn. Hydrolyzing organic nitriles and dehydrating ethers. 2,441,114, May 4.
- Krick, James H., Westport, Conn. Apparatus for increasing the efficiency of internal-combustion engines. 2,442,696, June 1.
- Krieg, Eldon L., South Whitley, Ind. Board pry. 2,449,393, Sept. 14.
- Krieg, Eldon L., South Whitley, Ind. Holder for fasteners. 2,457,689, Dec. 28.
- Kriegbaum, George M., Richmond, Ind., assignor to International Harvester Company. Agricultural implement. 2,443,042, June 8.
- Kriegel, Charles: *See*—
Behnke, Albert O., and Kriegel.
- Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,448,444, Aug. 31.
- Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Nonfree-tripping overload circuit breaker. 2,453,235, Nov. 9.
- Krieger, Gardner L., Princeton, N. J., assignor to Radio Corporation of America. Rectifier. 2,445,441, July 20.
- Krieger, Knut A.: *See*—
Heinemann, Heinz, and Krieger.
- Krieger, Knut A., Philadelphia, and H. Heinemann, Upper Darby, assignors to Porocel Corporation, Philadelphia, Pa. Regeneration of alumina adsorbents by oxidation. 2,457,566, Dec. 28.
- Krilow, James E., assignor to Boardwalk Enterprises, Inc., Atlantic City, N. J. Kitchen utensil. 2,450,346, Sept. 28.
- Krilow, James E., assignor to Boardwalk Enterprises, Inc., Atlantic City, N. J. Paring utensil. 2,450,347, Sept. 28.
- Krilow, James E., assignor to Boardwalk Enterprises, Inc., Atlantic City, N. J. Vegetable slitting utensil. 2,450,348, Sept. 28.
- Krim, Norman B., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Thermionic tube structure. 2,452,061, Oct. 26.
- Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,437,542, Mar. 9.
- Krisor, Gilbert H., Evanston, assignor of one-half to D. A. Kuhlman, Chicago, Ill. Regulator for gas-burning heaters for liquids. 2,436,651, Feb. 24.
- Krispis, Constantin, Athens, Greece. Variable-speed transmission. 2,453,577, Nov. 9.
- Kritchman, Morris, New York, N. Y. Pocketbook provided with a perforated front wall pocket for housing a colored insert. 2,436,579, Feb. 24.
- Kritzer, Bernard, Chicago, Ill. Hair drier helmet. 2,456,788, Dec. 21.
- Kroh, Joseph J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,439,937, Apr. 20.
- Krobath, Vincent J., Jr., St. Louis, Mo., and R. J. Roenigk, Jr., Houston, Tex. Bearing greasing device. 2,438,122, Mar. 23.
- Kroeger, John W.: *See*—
Chiappe, Caesar F., and Kroeger.
- Kroehler Mfg. Co., assignee: *See*—
Stauffer, Edward J.
- Kroeker, Edwin H., Cheltenham, and W. J. Croxall, Bryn Athyn, assignors to Röhm & Haas Company, Philadelphia, Pa. Abrasion-resistant polymers and preparing same. 2,444,655, July 6.
- Krogel, Christopher J., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making electrical conductors. 2,440,802, May 4.
- Kröger, Ferdinand A.: *See*—
Gisolf, Jacob H., and Kröger, and Bakker.
- Kroger, Fred H., Los Angeles, Calif., assignor to Radio Corporation of America. Electric space discharge circuits. 2,434,704, Jan. 20.
- Kroger Grocery & Baking Company, The, assignee: *See*—
Davenport, James A.
Deatherage, Fred E.
- Krogh, Ralph E., Detroit, Mich. Visor document clip. 2,456,129, Dec. 14.
- Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Drive mounting for windshield wiper arms. 2,442,697, June 1.
- Krohn, Emil F., Centerville, Mich., assignor to Air Reduction Company, Incorporated. Auxiliary roller guide for templates. 2,456,789, Dec. 21.
- Krok, Edward J.: *See*—
Clarkson, Clarence W., Jr., and Krok.
- Kroll, John, Detroit, Mich. Shade and curtain hanger. 2,441,424, May 11.
- Kroll, John H., Spokane, Wash. Pickup claw. 2,449,487, Sept. 14.
- Kroll, Nathan J.: *See*—
Kroll, Samuel and N. J.
- Kroll, Samuel and N. J., Chicago, Ill. Baby carriage with detachable body. 2,437,098, Mar. 2.
- Kroll, Samuel and N. J., Chicago, Ill. Baby carriage. 2,439,544, Apr. 13.
- Kroll, Samuel and N. J., Chicago, Ill. Crib bed. 2,442,048, May 25.
- Kroll, William J., Niagara Falls, N. Y. Making iron powder. 2,441,770, May 18.
- Kroll, William J., and F. E. Bacon, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Producing zirconium chloride. 2,443,253, June 15.
- Kroll, William J., Albany, Oreg., and F. E. Bacon, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Separation of columbium and tantalum oxides. 2,443,254, June 15.
- Kroll, William J., and F. E. Bacon, Niagara Falls, N. Y., assignors to Electro Metallurgical Company. Separation of metals. 2,452,665, Nov. 2.
- Kromer, Edward I.: *See*—
Kromer, Esther M. and E. L.
- Kromer, Esther M. and E. L., Chicago, Ill. Baby's safety sheet. 2,454,463, Nov. 23.
- Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Detachable valve means for tank emergency valves. 2,442,953, June 8.
- Kronhaus, Semen, Los Angeles, Calif. Portable folding electric clothes presser. 2,436,998, Mar. 2.
- Kronhaus, Semen, Los Angeles, Calif. Clothesline device. 2,452,246, Oct. 26.
- Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. Re. 22,998, May 4.
- Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch device. 2,451,751, Oct. 19.
- Kronoff, Clarence R.: *See*—
Sepavich, Victor F., and Kronoff.

- Kronoff, Clarence R., Worcester, and G. N. Peterson, North Grafton, assignors to Crompton and Knowles Loom Works, Worcester, Mass. Electric contactor for loom warps. 2,440,958, May 4.
- Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Reversing mechanism for looms. 2,452,380, Oct. 26.
- Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,502, Dec. 7.
- Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,503, Dec. 7.
- Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Driving control for axminster looms. 2,455,504, Dec. 7.
- Kronouer, Johan G.: *See*—
Fennema, Pieter H., Kronouer, and Prakke.
- Kronquest, Alfred L., and M. M. Sedwick, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Container sealing machine having seaming mechanism actuated by fluid pressure operated means responsive to vacuum. 2,450,243, Sept. 28.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for deoxidizing metal sheet edge portions. 2,450,669, Oct. 5.
- Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container controlled vacuumizing apparatus. 2,457,690, Dec. 28.
- Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,434,935, Jan. 27.
- Krooss, John H., assignor to Pipe Couplings, Inc., New York, N. Y. Pipe coupling. 2,439,979, Apr. 20.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of allyl esters of polybasic acid with saturated monohydric alcohol esters of unsaturated polycarboxylic acid. 2,437,962, Mar. 16.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Liquid copolymer of beta myrcene and para methyl styrene. 2,439,343, Apr. 6.
- Kropa, Edward L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyester-polyamide condensation products and producing the same. 2,440,516, Apr. 27.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Emulsion copolymerization of unsaturated alkyd resins. 2,443,735, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymer of diallyl phthalate and unsaturated alkyd resin. 2,443,736, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymer of polyallyl ester and unsaturated alkyd resin. 2,443,737, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymer of unsaturated alkyd resin. 2,443,738, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymer of modified unsaturated alkyd resin and polyallyl ester. 2,443,739, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Compositions of unsaturated alkyd resins and polyallyl esters. 2,443,740, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable compositions containing unsaturated alkyd resins and allyl esters, copolymers of such compositions and producing the same. 2,443,741, June 22.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of isopropenyl toluene and acrylate and producing same. 2,446,049, July 27.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Compound optical element cemented with a polyester of fumaric acid. 2,453,665, Nov. 9.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Compound optical element cemented with a polyester of maleic acid. 2,453,666, Nov. 9.
- Kropp Forge Aviation Co., assignee: *See*—
Kropp, Roy A.
- Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Rotary tiller tooth and mounting. 2,438,707, Mar. 30.
- Kropp, Roy A., River Forest, assignor to Kropp Forge Aviation Co., Cicero, Ill. Forming engine mountings. 2,438,884, Mar. 30.
- Kruck, Ralph E., Blaisdell Point, Conn. Lip rouge dispenser applicator. 2,448,033, Aug. 31.
- Kruck, Ralph E., Longmeadow, Mass. Cosmetic device. 2,452,131, Oct. 26.
- Kruck, Ralph E., and E. E. Grover, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air circulating duct for two-temperature refrigerator cabinets. 2,455,751, Dec. 7.
- Krueger, Archie S.: *See*—
Broeren, Frank L., Slye, and Krueger.
- Krueger, Edward C., Otsego, assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Chip truck for sawing and other machines. 2,446,137, July 27.
- Krueger, Edward C., Otsego, assignor to Hammond Machinery Builders, Incorporated, Kalamazoo, Mich. Work-rest holder for centerless grinders. 2,449,488, Sept. 14.
- Krueger, Edward C., Otsego, assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Casting machine. 2,449,854, Sept. 21.
- Krueger, Ernest A., assignor to White Cap Company, Chicago, Ill. Apparatus for feeding and orienting articles. 2,440,959, May 4.
- Krueger, Frank W., Atherton, assignor to Food Machinery Corporation, San Jose, Calif. Container feeder. 2,454,285, Nov. 23.
- Krueger, Herbert E., Vallejo, Calif. Centering gauge for setting up work in balancing machines. 2,434,661, Jan. 20.
- Krueger, Herbert E., Vallejo, Calif. Fixture for supporting and gauging brush riggings of motors and generators. 2,450,897, Oct. 12.
- Krueger, John and R. L. Hayes, assignors to The Edwal Laboratories, Inc., Chicago, Ill. Preparation of diaminocresol. 2,447,019, Aug. 17.
- Krueger, John and R. L. Hayes, assignors to The Edwal Laboratories, Inc., Chicago, Ill. Preparation of diaminophenol. 2,447,020, Aug. 17.
- Krueger, Rudolph E., Downey, assignor to Accessories Manufacturing and Engineering Company, Pasadena, Calif. Coupling. 2,441,363, May 11.
- Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Method and apparatus for serving tacky tape. 2,444,019, June 22.
- Krug, Robert C., Yeadon, assignor to The Atlantic Refining Company, Philadelphia, Pa. Desulfurization of hydrocarbons with boron-phosphate-alumina catalyst. 2,441,493, May 11.
- Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Fluorescent lighting fixture. 2,446,425, Aug. 3.
- Kruthof, Arie A.: *See*—
Rathenau, Gerhard, Kruthof, and Hartveld.
- Kruthof, Jacob, and L. Kozma, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Calling line identification system. 2,440,277, Apr. 27.
- Kruthof, Jacob, and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electronic discharge tubes and circuits therefor. 2,445,782, July 27.
- Kruthof, Jacob, L. Kozma, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone system utilizing a register controller. 2,452,578, Nov. 2.
- Kruthof, Jacob, L. Kozma, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone system utilizing register controlled final selector switches. 2,454,809, Nov. 30.
- Krukonis, Alexander C., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Hand wheel for looms. 2,448,811, Sept. 7.
- Krumbhaar, William, New York, N. Y. Pentaerythritol rosinate polymers and preparing same. 2,434,168, Jan. 6.
- Krupick, Walter J., Franklin, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Control circuit for induction motors. 2,435,926, Feb. 10.
- Krupka, Helen G. and J. J., Fairmont, W. Va. Timberman's jack. 2,456,878, Dec. 21.
- Krupka, Joseph J.: *See*—
Krupka, Helen G. and J. J.
- Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cord holder. 2,449,235, Sept. 14.
- Krupp, Charles E., Evanston, Ill., and W. R. Peterson, Lowell, Ind. Weed puller. 2,448,445, Aug. 31.
- Krupp, Louis, Brooklyn, N. Y. Combination handle and closure means for handbags. 2,437,099, Mar. 2.
- Kruppa, William J., Middlesex, A. P. Beardsley, Plainfield, and S. H. Whiting, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of primary ultramarine. 2,442,173, May 25.
- Kruse, George A., East Orwell, Ohio, assignor to The Hospital Specialty Company. Article gauging dispensing device. 2,439,475, Apr. 13.
- Kruse, John R., Maplewood, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Grinding tool for refacing the sealing surfaces of header access holes. 2,448,100, Aug. 31.
- Kruse, Orlin O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Cooling chamber having baffles for directing air over dried material. 2,440,692, May 4.
- Kryptar Corporation, assignee: *See*—
Crumrine, Chester W.
- Kubacki, Wallace, Reading, and R. M. Urquhart, Wayne, Pa.; said Kubacki assignor to said Urquhart. Foam forming apparatus. 2,435,449, Feb. 3.

- Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Tube-ice machine using compressor to reverse pressure. 2,444,514, July 6.
- Kubaugh, Benjamin F., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Adjustable cutter for tube-ice machines. 2,453,140, Nov. 9.
- Kubiak, Stanley, Bayonne, N. J. Paintbrush holder. 2,445,224, July 13.
- Kubic, Raymond R., and C. H. Nylander, McKeesport, Pa., assignors to National Tube Company. Assembling metal articles. 2,457,691, Dec. 28.
- Kubicki, Piotr, London, England. Rivet. 2,435,144, Jan. 27.
- Kubin, Andrew, Westlake, C. Kubin, North Olmsted, and A. Brondos, Jr., Lakewood, assignors to The Reliable Spring & Wire Forms Company, Cleveland, Ohio. Inner tube fester. 2,446,050, July 27.
- Kubin, Charles: *See—*
Kubin, Andrew and C., and Brondos.
- Kubler, Ernest F., Schenectady, N. Y., assignor to General Electric Company. Phase shifting circuit. 2,451,834, Oct. 19.
- Kubovcik, Joseph J., San Francisco, Calif. Safety pocket for garments. 2,442,415, June 1.
- Kucera, Barney J., Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc. Telephone signaling apparatus. 2,457,046, Dec. 21.
- Kucera, Clement M.: *See—*
Giles, William M., and Kucera.
- Kucera, Joseph B., Traer, Iowa. Loader machine. 2,456,879, Dec. 21.
- Kucera, Joseph B., Traer, Iowa. Vehicle spring. 2,457,243, Dec. 28.
- Kuchar, Joseph, Chicago, Ill. Hitch. 2,437,607, Mar. 9.
- Kucher, Andrew A., Grosse Pointe Farms, assignor to Bendix Aviation Corporation, Detroit, Mich. Hydraulic drive. 2,447,348, Aug. 17.
- Kucks, Howard H., Rockville Centre, N. Y. Scoring device for table tennis. 2,455,422, Dec. 7.
- Kuder, John M., Winter Haven, Fla. Making citrus waste feed products. 2,455,782, Dec. 7.
- Kuehn, Henry F., Seattle, Wash. Portable drying rack. 2,454,559, Nov. 23.
- Kuendel, Carl J. N., Davenport, Iowa. Line-latching means for clothesline props. 2,442,295, May 25.
- Kuenstler, Walter E., Cliffside Park, N. J. Crystal holder. 2,438,708, Mar. 30.
- Kuenstner, Ernst K., Milwaukee, Wis. Adjustable hat-band. 2,440,407, Apr. 27.
- Kugler, Herbert W., assignor to Cherry Rivet Company, Los Angeles, Calif. Small parts holder for electrolytic baths. 2,434,417, Jan. 13.
- Kuhl, Gerald L., Chester, Minn. Hitch or clevis. 2,444,876, July 6.
- Kuhlin, David A., assignee: *See—*
Krisor, Gilbert H.
- Kuhlman, Theodore C., Detroit, Mich. Centrifugal casting. 2,450,832, Oct. 5.
- Kuhlman, Theodore C., Detroit, Mich. Centrifugal casting machine. 2,456,067, Dec. 14.
- Kuhlman, William A., Los Angeles, Calif. Valve seat grinder. 2,454,068, Nov. 16.
- Kuhn, Carl S., Jr., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,436,695, Feb. 24.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Overload protective device. 2,450,600, Oct. 5.
- Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Terminal for electrically heated irons. 2,436,753, Feb. 24.
- Kuhn, Frank, Detroit, and L. H. Thomas, Birmingham, assignors to American Electrical Heater Company, Detroit, Mich. Electrically heated tool. 2,437,747, Mar. 16.
- Kuhn, Jackson G., assignor, by mesne assignments, to Gladden Products Corporation, Glendale, Calif. Sleeve-valve internal combustion engine. 2,444,103, June 29.
- Kuhn, Karl: *See—*
Crane, Edward V., and Kuhn.
- Kuhn, Max O., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reinforced sectional barrel. 2,445,730, July 20.
- Kuhnl, Leopold: *See—*
Reyburn, John R., and Kuhnl.
- Kuhr, Noel H.: *See—*
Embree, Norris D., and Kuhr.
- Kulpers, George A., assignor to Distillation Products, Inc., Rochester, N. Y. Condensation pump. 2,435,686, Feb. 10.
- Kujawski, Barney, assignor to Thurner Engineering Company, Milwaukee, Wis. Flexible joint. 2,439,009, Apr. 6.
- Kulesh, Louis F., Kenosha, Wis. Making a garden tool. 2,436,476, Feb. 24.
- Kulicke, Frederick W., Jr., Media, and G. O. Transue, Havertown, Pa.; said Kulicke assignor to said Transue. Surgical instrument. 2,442,416, June 1.
- Kulka Electric Company, assignee: *See—*
Kaufman, William.
- Kulka, Eugene R., Mount Vernon, N. Y. Holder for fluorescent lamps. 2,449,394, Sept. 14.
- Kulka, Marshall, Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Recovery of fluorsulfonic acid and use as condensing agent in production of DDT. 2,447,476, Aug. 17.
- Kulp, Maurice P., Linwood, Pa., and W. A. Sisson, Silver-side, assignors to American Viscose Corporation, Wilmington, Del. Artificial filament. 2,439,813, Apr. 20.
- Kundiger, Donald G.: *See—*
Spence, Le Roy U., Butterbaugh, and Kundiger.
- Kuner, William H., and A. F. Berger, assignors to The Master Electric Company, Dayton, Ohio. Power transmission unit. 2,441,276, May 11.
- Kunkle, Earl H., and L. B. Brown, Statesville, N. C. Machine for twisting wire for use in brick cutting. 2,443,564, June 15.
- Kunkler, Clarence A., Columbus, Ohio. Parachute. 2,447,187, Aug. 17.
- Kuns, Ray F., Cincinnati, Ohio. Boat trailer. 2,457,567, Dec. 28.
- Kunz, Charles J.: *See—*
Tuttle, Clifton M., Kunz, and Brown.
- Künzle, August, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Web guiding device, particularly for tentering frames. 2,451,343, Oct. 12.
- Kunzog, Theodore W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Combination restrictor and heat exchanger. 2,448,315, Aug. 31.
- Kuoch, Robert, Tonawanda, and E. S. Shanley, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stabilized organic peroxides. 2,454,254, Nov. 16.
- Kupin, Nathan: *See—*
Wesson, Bernard, and Kupin.
- Kuppersmith, Fred W., Bloomington, Ill. Clamping device. 2,437,200, Mar. 2.
- Kurlander, John H., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reflector lamp and optical system. 2,441,823, May 18.
- Kurlander, John H., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reflector lamp. 2,441,824, May 18.
- Kurth, Franz J.: *See—*
Honerkamp, Friedrich, and Kurth.
- Kurti, Alexander: *See—*
Sanford, Roy S., and Kurti.
- Kurtz, August R., assignee, et al.: *See—*
Brown, Clarence J. and F. S.
- Kurtz, Edward F., assignor to Metals & Controls Corporation, Attleboro, Mass. Protective circuit. Re. 22,973, Feb. 10.
- Kurtz, Henry J., Terrace Park, Ohio. Apparatus for measuring short time intervals. 2,444,935, July 13.
- Kurtz, Jacob, Teaneck, and E. Zampieri, assignors to Callite Tungsten Corporation, Union City, N. J. Making a hard facing alloy. 2,438,221, Mar. 23.
- Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Oxidation resistant alloys. 2,441,126; May 11.
- Kurtz, Stewart S., Jr., Merion, and J. S. Sweely, Swarthmore, assignors to Sun Oil Company, Philadelphia, Pa. Phenol-aldehyde sealing agent and making the same. 2,457,160, Dec. 28.
- Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., Inc. Lamp fixture. 2,434,781, Jan. 20.
- Kusan Incorporated, assignee: *See—*
McLain, William R.
- Kusch, Polykarp: *See—*
Okress, Ernest C., and Kusch.
- Kusch, Polykarp, New York, N. Y., assignor to the United States of America, as represented by the Secretary of War. Cathode support structure. 2,437,880, Mar. 16.
- Kusch, Polykarp, New York, N. Y., assignor to the United States of America, as represented by the Secretary of War. Cathode structure. 2,440,203, Apr. 20.
- Kushner, Lina, assignee: *See—*
Erisman, Adolph C.
- Kuska, Donald E., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Gun support and fairing. 2,444,300, June 29.
- Kuster, Edward H., Del Ray Beach, Fla. Tire deflation operated switch. 2,452,768, Nov. 2.
- Kuster, Werner: *See—*
Krebs, Adolf, and Kuster.
- Kuther, Max K., Monterey, and J. L. Smith, Pacific Grove, Calif. Fish canning machine. 2,452,666, Nov. 2.
- Kuykendall, Bill, Buda, Tex. Manually guided two-wheeled portable circular power saw. 2,455,369, Dec. 7.
- Kuyper, William W., Schenectady, N. Y., assignor to General Electric Company. Combustion chamber drain arrangement. 2,446,013, July 27.
- Kuzma, Joseph, New York, N. Y. Blade sharpener. 2,447,257, Aug. 17.
- Kuzmick, Joseph N., Clifton, and D. Bell, Fair Lawn, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of abrasive products. 2,448,985, Sept. 7.
- Kuzmick, Joseph N., Clifton, assignor to Conmar Products Corporation, Newark, N. J. Mold for slide fasteners. 2,439,433, Apr. 13.
- Kuzmick, Joseph N., Clifton, assignor to Conmar Products Corporation, Newark, N. J. Mold for slide fasteners. 2,440,960, May 4.

- Kuzmin, Walter R., Nutley, and S. J. Levine, Newark, N. J. Vaporizer. 2,451,657, Nov. 23.
- Kuznitz, Frank V.: *See—*
Boshka, Joseph M., Goepfrich, and Kuznitz.
- Kvalnes, Donovan E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Derivatives of 2-amino-diphenylsulfone. 2,443,255, June 15.
- Kvalnes, Hamline M., and F. S. Chance, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of porous material. 2,452,200, Oct. 26.
- Kwikform Limited, assignee: *See—*
Hawes, Albert H.
- Kyker, Glendon D.: *See—*
Gochenour, Carl I., and Kyker.
- Kyle, William D., Jr., Milwaukee, and A. V. Ryan, South Milwaukee, Wis., assignors to Line Material Company. Transposing connections. 2,451,622, Oct. 19.
- Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to Line Material Company. Automatic reclosing circuit breaker. 2,455,067, Nov. 30.
- Kyner, Julia, Zionsville, Pa. Stop motion for looms, etc. 2,436,438, Feb. 24.
- Kyrides, Lucas P.: *See—*
Zienty, Ferdinand B., and Kyrides.
- Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic compositions of matter. 2,436,361, Feb. 17.
- Kyrides, Lucas P., and F. B. Zienty, St. Louis, Mo., assignors to Monsanto Chemical Company. Preparing gamma-acetopropanol and gamma-valerolactone. 2,444,301, June 29.
- Kyrides, Lucas P., assignor to Monsanto Chemical Company, St. Louis, Mo. 2-(2'-thienyl)-4,5-dihydroimidazoles and making the same. 2,457,047, Dec. 21.
- Kyrides, Lucas P., and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Making tertiary amines. 2,457,048, Dec. 21.
- Kysela, Rudolph, Los Angeles, Calif. Flower and candy display package. 2,453,920, Nov. 16.
- L. B. Fabrication De Serrures De Surete S. A., assignee: *See—*
Bratschi, Ernest.
- L. F. C. Corporation, assignee: *See—*
Crumrine, Chester W.
- L. L. H. Company, assignee: *See—*
Rouy, Auguste L. M. A.
- Labash, John A.: *See—*
MacDougall, Keith K., and Labash.
- Labln, Edouard, and M. J. Kobilsky, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic tube having secondary electron emissive electrode with surface and form variations. 2,438,709, Mar. 30.
- Labin, Emile: *See—*
Deloraine, Edmond M., and Labin.
- Deloraine, Edmond M., Labin, and Gloess.
- Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Television and sound transmitting system. 2,437,300, Mar. 9.
- Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Obstacle detection and communicating system. 2,444,452, July 6.
- Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmission system. 2,445,783, July 27.
- Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio transmitting and receiving system. 2,454,810, Nov. 30.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation. Modulation system. 2,434,936, Jan. 27.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Selective filtering system. 2,434,937, Jan. 27.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation. Modulation means and method. 2,438,927, Apr. 6.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube pulse demodulator system. 2,438,928, Apr. 6.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Pulse selecting and eliminating system. 2,440,278, Apr. 27.
- Labin, Emile, New York, N. Y., and R. B. Hoffman, East Orange, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Static reducing pulse receiver. 2,444,455, July 6.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Electrical pulse measuring system. 2,448,034, Aug. 31.
- Labine, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Omnidirectional radio beacon. 2,450,005, Sept. 28.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse signaling system. 2,454,811, Nov. 30.
- La Bombard, Leon E., assignor to The International Paper Box Machine Company, Nashua, N. H. Carton assembling machine. 2,444,515, July 6.
- La Brant, Alvin M., San Diego, Calif. Rotatable holder for ice cards. 2,437,826, Mar. 16.
- La Brecque, Theodore A., and A. W. Skoog, assignors to The Hillard Corporation, Elmira, N. Y. Oil purifying system for vacuum pumps. 2,451,093, Oct. 12.
- La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Automatic adjuster for friction elements. 2,451,562, Oct. 19.
- La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hydrodynamic transmission. 2,457,692, Dec. 28.
- Lacer, Delmar: *See—*
Smith, Fay E., Lacer, and McLeod.
- Lacey, Edward H., Sioux Falls, S. Dak. Tractor-mounted scoop control. 2,457,049, Dec. 21.
- Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Aminophthalimides. 2,436,362, Feb. 17.
- Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of chemiluminescent composition of matter. 2,453,578, Nov. 9.
- Lacey, Leo: *See—*
Brown, Louis, and Lacey.
- Lacey-Webber Co., assignee: *See—*
Siemens, Eric.
- La Chapelle, Albert L., assignee, et al.: *See—*
La Chapelle, Euclid I.
- La Chapelle, Beatrice H., assignee, et al.: *See—*
La Chapelle, Euclid I.
- La Chapelle, Euclid I., Brockton, Mass., assignor of one-fourth to A. L. La Chapelle, one-fourth to B. H. La Chapelle, and one-fourth to R. E. La Chapelle. Shoe forepart bottom filler. 2,439,172, Apr. 6.
- Lachapelle, Joseph A. E., Los Angeles, Calif. Motor and motor fuel treatment. 2,439,897, Apr. 20.
- La Chapelle, Rachel E., assignee, et al.: *See—*
La Chapelle, Euclid I.
- Lachmund, Julius, San Francisco, Calif. Parallel ruler. 2,437,469, Mar. 9.
- Lack, Robert, Bakersfield, Calif. Cathead with replaceable sleeve. 2,435,086, Jan. 27.
- Lackey, Rufus M., Birmingham, Ala., assignor to Brown Service Funeral Homes Company, Inc. Folding cot. 2,438,059, Mar. 16.
- Lackie, Arthur H., Duluth, Minn. Ship hull construction. 2,440,408, Apr. 27.
- Lackner, Emma H., assignee: *See—*
Lackner, Ralph J.
- Lackner, Ralph J., assignor to E. H. Lackner, Richmond Hill, N. Y. Swinging scaffold. 2,435,969, Feb. 17.
- Lackner, Ralph J., assignor to E. H. Lackner, Richmond Hill, N. Y. Swinging scaffold. 2,436,813, Mar. 2.
- Laclair, Joseph A., Flat Rock, Mich. Wheel support. 2,441,638, May 18.
- Laciede-Christy Clay Products Company, assignee: *See—*
McKelvey, John H., and Rogers.
- La Cost, C. Tracy, assignee: *See—*
Miller, William J.
- La Cour, Fritz: *See—*
Hendrickson, Emil G., and La Cour.
- Lacquer & Chemical Corporation, assignee: *See—*
Than, Marcus.
- La Crosse Rubber Mills Company: *See—*
Larkin, Leo J., Regan, and Larkin.
- Lacrotte, Nazaire, deceased, Paris, France; Le Directeur des Domaines, temporary (provisional) executor or administrator of the estate. Fire hazard and safety device for airplanes. 2,457,103, Dec. 21.
- Lacure, Earl P., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. End clip assembly. 2,446,704, Aug. 10.
- Lacy, Charles E.: *See—*
Kihlgren, Theodore E., and Lacy.
- Lacy Manufacturing Company, assignee: *See—*
Sandberg, William A.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticial preparations. 2,435,499, Feb. 3.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. 2,3-epoxy-1,2,3,4-tetrahydronaphthalenedione-1, 4 as parasiticial preparations. 2,435,500, Feb. 3.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Acenaphthenedione as parasiticial preparations. 2,435,501, Feb. 3.
- Ladd, Elbert C., Passaic, and H. W. Paxton, Lodi, N. J., assignors to United States Rubber Company, New York, N. Y. Cyanoethyl, aceto-succinic acid esters. 2,456,517, Dec. 14.
- Ladish Co., assignee: *See—*
Kittica, Stephen F.
- Ladrach, Aaron G., deceased, Akron, Ohio; D. B. Ladrach, administratrix, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Electromagnetic gauge. 2,438,506, Mar. 30.
- Ladrach, Dorothy B., administratrix: *See—*
Ladrach, Aaron G.

- Ladwig, Walter C., Elmhurst, Ill. Comb decapper. 2,448,986, Sept. 7.
- La Fair, Samuel, Philadelphia, Pa. Ornamental fabric and articles made therefrom. 2,453,441, Nov. 9.
- La Fayette, Harry A.: *See*—
Stine, Ivan E., and La Fayette.
- Lafferriere, Joseph E., Boston, Mass. Player-operated means for positioning pins of bowling alleys. 2,440,013, Apr. 20.
- Lafferty, Harold Y.: *See*—
Munger, Howard B., and Lafferty.
- Lafferty, James M., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency electric discharge device. 2,454,560, Nov. 23.
- Lafferty, James M., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency electric discharge device. 2,454,970, Nov. 30.
- Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Wave guide discharge tube socket assembly. 2,443,917, June 22.
- La Fleur, Elphege D.: *See*—
Flygare, Carl G., La Fleur, and Silven.
- La Fleur, Elphege D., Lancaster, assignor to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,454,186, Nov. 16.
- La Fond, Joseph O., Gardner, Mass. Spring construction. 2,454,703, Nov. 23.
- La Forge, Frederick B., Arlington, Va., assignor to the United States of America as represented by the Secretary of Agriculture. Tetrahydropyran compound. 2,434,856, Jan. 20.
- La Forge, James L., Caruthersville, Mo. Rattler. 2,447,946, Aug. 24.
- La Forge, James L., Caruthersville, Mo. Roller toy. 2,452,939, Nov. 2.
- La France, Donald S.: *See*—
Hearne, George W., and La France.
- Lagasse, Alfred, assignee: *See*—
Moore, Guy S.
- Lagasse, Francis H., San Francisco, Calif. Means for measuring the velocity and volume of fluids. 2,453,376, Nov. 9.
- Lagercrantz, Mary S., Dobbs Ferry, N. Y. Pumping apparatus. 2,434,804, Jan. 20.
- Lagergreen, Henning, Montgomery, N. Y. Sealing ring. 2,445,952, July 27.
- Lagin, Herbert, New York, N. Y. Electric light socket. 2,451,680, Oct. 19.
- Lago, Francis, Bronx, assignor to H. W. Jarrett and P. H. Sellwe, New York, N. Y. Gas compressor. 2,434,705, Jan. 20.
- Lagonda Limited, assignee: *See*—
Green, George W. A., Bujak, and Rutherford.
- La Guardia, Alexander R., assignee, et al.: *See*—
Clapp, Michael J.
- La Guardia, Nick G., Denver, Colo. Carburetor. 2,451,563, Oct. 19.
- La Guardia, Paul M., assignee, et al.: *See*—
Clapp, Michael J.
- Lahood, Maynard: *See*—
Pearson, Thomas V., and Lahood.
- Lahousse, Joseph E. G., Lyon, and A. Renouprez, Le-Peage-de-Roussillon, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Light-diffusing cellulose acetate compositions. 2,443,918, June 22.
- Laidig, Alfred H.: *See*—
McNall, John W., and Laidig.
- Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp holders. 2,438,012, Mar. 16.
- Laidig, Alfred H., Bloomfield, N. J., assignor to J. Reich, Brooklyn, N. Y. Toy. 2,440,177, Apr. 20.
- Laidig, Alfred H., Bloomfield, and F. T. May, Verona, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for coating the inside surfaces of tubular vitreous envelopes. 2,449,783, Sept. 21.
- Laidlaw, William C., Pasadena, Calif. Tire deflation switch. 2,457,161, Dec. 28.
- Laidler, Douglas S.: *See*—
Haywood, Frederick W., and Laidler.
- Laidley, Clarence D.: *See*—
Drane, Phillips B., and Laidley.
- Laidley, Clarence D., Los Angeles, Calif. Gasket. 2,439,306, Apr. 6.
- Laiho, Jalmer M.: *See*—
Siefert, Anne, and Laiho.
- Laing, Charles W. G., assignor to Mayo Visor Co., Detroit, Mich. Visor. 2,449,303, Sept. 14.
- Laing, Clayton, Chicago, Ill. Pivoted closure for collapsible tubes. 2,444,995, July 13.
- Laing, Howard M., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener applying tool. 2,438,174, Mar. 23.
- Laing, Marvin R.: *See*—
Malek, Sidney K., and Laing.
- L'Air Liquide Societe Anonyme Pour l'Etude et l'Exploitation des Procédes Georges Claude, assignee: *See*—
Kerry, Frank G., and Bailey.
- Laird, Wilbur G., Pleasantville, N. Y. Movable roof stabilizer. 2,436,580, Feb. 24.
- Laird, Wilbur G., Pleasantville, N. Y. Floating roof tank and piping therefor. 2,450,758, Oct. 5.
- Lait, Morris, Lynn, Mass. Boat rack means on automobiles. 2,446,092, July 27.
- Lakatos, Emory, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery computer. 2,434,274, Jan. 13.
- Lakatos, Louis L., Bala Cynwyd, Pa., assignor to Radio Corporation of America. Pulse to rectangular wave converter. 2,438,633, Mar. 30.
- Lake, Clair D., Binghamton, and M. Fiehl, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Cam operated circuit breaker. 2,447,806, Aug. 24.
- Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record punching machine. 2,451,752, Oct. 19.
- Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Recovery of methyl ethyl ketone from azeotropic distillates by extraction with tetraethylene glycol. 2,444,893, July 6.
- Lake, George R., and J. M. Stribley, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Separation of thiophenes from hydrocarbons by azeotropic distillation. 2,439,777, Apr. 13.
- Lake, George R., Long Beach, and J. M. McDowell, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic separation of xylene isomers. 2,456,561, Dec. 14.
- Lake Manufacturing Company, Inc., The, assignee: *See*—
Wedeking, Lorenz A.
- Lakeland Foundation, assignee: *See*—
Gruskin, Benjamin.
- Lakin, Wilford P.: *See*—
Ogorzaly, Henry J., and Lakin.
- Lakota, Stanley J.: *See*—
Strobel, Charles K., and Lakota.
- Lakso, Eino E., Fitchburg, Mass. Feeding device having flexible tubular wall, with compound motion for peripheral discharge. 2,449,395, Sept. 14.
- Lalande, André, assignor to Produits Chimiques de Ribecourt, and Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarague, Paris, France. Producing solid stabilized polysulphides. 2,435,145, Jan. 27.
- Lalande, Marc A., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromechanical amplifier. 2,454,812, Nov. 30.
- La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Preparation of magnesium silicate adsorbents. 2,434,418, Jan. 13.
- La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Treatment of hydrocarbons with activated magnesium silicates. 2,451,564, Oct. 19.
- La Londe, Frederick J., Los Angeles, Calif. Drum pedal apparatus. 2,445,486, July 20.
- La Londe, George J., and A. Jewer, Detroit, Mich. Sportsman's mitten. 2,451,837, Oct. 19.
- La Macchia, Pasquale, Gilroy, Calif. Drying tray. 2,449,658, Sept. 21.
- Lamar, Charles, Brooklyn, N. Y. Cap for flasks or the like. 2,448,893, Sept. 7.
- Lamar Slide Fastener Corporation, assignee: *See*—
Rabinowitz, Louis M.
- Lamarche, Napoleon, Lowell, Mass. Shuttle check. 2,436,310, Feb. 17.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,444,656, July 6.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay circuits and relay. 2,440,861, May 4.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay contact system. 2,442,500, June 1.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Supervisory electrical alarm system. 2,449,304, Sept. 14.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Generator control system. 2,456,199, Dec. 14.
- Lamb, Carl W., Inskip, Tenn. Word counter for typewriters. 2,435,450, Feb. 3.
- Lamb, John M., Salem, Oreg. Weed cutter and holder. 2,443,828, June 22.
- Lambach, Fritz, Tenafla, N. J. Auxiliary bobbin support for use on the shank of a bobbin holder. 2,437,100, Mar. 2.
- Lambach, Fritz, Tenafla, N. J. Warp knitting machine. 2,448,035, Aug. 31.
- Lambach, Fritz, Tenafla, N. J. Beaming or warping machine. 2,450,431, Oct. 5.
- Lambach, Fritz, Tenafla, N. J. Flat warp knitting machine. 2,451,498, Oct. 19.
- Lambach, Fritz, Tenafla, N. J. Warp knitting machine. 2,451,499, Oct. 19.
- Lambach, Fritz, Tenafla, N. J. Warp knitting machine. 2,452,579, Nov. 2.
- Lambert, Arthur J., Wichita, Kans. Illuminated mail box and house number. 2,452,667, Nov. 2.
- Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T.
- Lambert, Edmond, Danielson, Conn. Log- and carriage-locking swinging-saw sawmill. 2,438,610, Mar. 30.

- Lambert, Edward J., Quincy, Ill. Hoist frame. 2,446,093, July 27.
- Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Apparatus for cooling bottled beverages. 2,453,667, Nov. 9.
- Lambert, Harry L., East Rochester, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Printing mechanism for adding machines. 2,457,050, Dec. 21.
- Lambert, Harry L., Enfield, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Centrifugally operated switch. 2,438,810, Mar. 30.
- Lambert, Harry L., Enfield, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Centrifugally operated switch. 2,445,659, June 22.
- Lambert, Harry L., Enfield, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,445,225, July 13.
- Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Cam actuated clutch. 2,556,138, July 27.
- Lambert, Le Roy, Jr., assignee: *See*—Lancaster, Franklin A.
- Lambert, Pierre: *See*—Kniel, Ludwig, Lambert, and Treat.
- Lambert, Robert D., and C. L. Bailey, Knoxville, Tenn., assignors to Tennessee Valley Authority. Charging seal for stoves. 2,438,123, Mar. 23.
- Lambert, Russell A., assignor to Brooks Bank Note Company, Springfield, Mass. Carton. 2,443,428, June 15.
- Lambert, Russell A., assignor to Brooks Bank Note Company, Springfield, Mass. Display apparatus. 2,449,530, Sept. 14.
- Lambert, Sanders R., Kansas City, Mo. Portable building structure. 2,453,326, Nov. 9.
- Lambert, Walter, Yakima, Wash. Drawing table. 2,436,773, Feb. 24.
- Lambert, Walter, Yakima, Wash. Shoulder harness. 2,441,115, May 4.
- Lambert, Walter E., Maryville, assignor to McMurray Structural Steel Company, Inc., Nashville, Tenn. Conveying rig. Re. 22,979, Mar. 2.
- Lamberton, Ralph E., Worthington, assignor to The Jaeger Machine Company, Columbus, Ohio. Pipe union for air compressors. 2,456,200, Dec. 14.
- Lambertsen, Christian J., Scotch Plains, N. J. Breathing apparatus. 2,456,130, Dec. 14.
- Lamborn, Bayard T., Matawan, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of alkali metal salts and alkali earth metal salts of halogenated lower fatty acids. 2,446,233, Aug. 3.
- Lambros, George C., New York, N. Y. Plating palladium and plating bath therefor. 2,452,308, Oct. 26.
- Lamm, Udo, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Anode tube for ionic valves for high-voltage static current converters. 2,446,600, Aug. 10.
- Lamm, Udo, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Västerås, Sweden. Means for influencing the blocking voltage in current converter valves. 2,449,396, Sept. 14.
- La Monaca, William, assignee: *See*—Kaufman, Harry M.
- La Mont, Elbert M., and B. M. Fry, Leavenworth, Kans. Lathe and motor base for watchmakers' lathes. 2,456,959, Dec. 21.
- Lamont, Lewis H., Chicago, Ill. Circuit protector. 2,449,236, Sept. 14.
- La Monte, George & Son, assignee: *See*—Simons, Francis L.
- La Motte, Ralph R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Uniting metal pieces by means of a bonding layer of predetermined thickness. 2,451,099, Oct. 12.
- Lampe, Robert C.: *See*—Wahlberg, Eric C., and Lampe.
- Lampert, Albert J., Sparrows Point, Md., assignor to Rheem Manufacturing Company, Richmond, Calif. Assembling zinc-lined containers. 2,444,833, July 6.
- Lampert, Burnham, Sacramento, Calif. Tube and conduit bending hand tool. 2,456,880, Dec. 21.
- Lampert, Louis, Chicago, Ill. Compartmented one-piece billfold construction provided with window opening. 2,443,392, June 15.
- Lampert, Milton, New York, N. Y. Hat construction. 2,446,705, Aug. 10.
- Lampshire, Richard W., Wilbraham, assignor to American Bosch Corporation, Springfield, Mass. Combined injector nozzle and spark plug. 2,441,277, May 11.
- Lampshire, Richard W., Wilbraham, assignor to American Bosch Corporation, Springfield, Mass. Electrical spark gap. 2,449,397, Sept. 14.
- Lamprecht, Joseph A., Cranford, N. J. Bottle carrier. 2,443,985, June 22.
- Lamson, Edward R.: *See*—Ferris, Seymour W., Lamson, and Smith.
- Lamson, Otis F., Seattle, Wash. Medical appliance for control of enema. 2,457,244, Dec. 28.
- Lamy, Arthur C., Milwaukee, Wis. Fleshing tool. 2,455,505, Dec. 7.
- Lancaster, Arthur W., assignor to E. Long Limited, Orillia, Ontario, Canada. Door operating device. 2,443,317, June 15.
- Lancaster, Franklin A., Lake Charles, assignor of one-half to L. Lambert, Jr., Leesville, La. Signal device. 2,445,953, July 27.
- Lancaster, John E., New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Mechanical seal. 2,436,866, Mar. 2.
- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Axially engaging positive clutch. 2,438,175, Mar. 23.
- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pressure mechanism. 2,450,969, Oct. 12.
- Lance, Herbert C., Rock Island, and H. A. Hippen, Moline, Ill. Chuck for internal grinders. 2,450,970, Oct. 12.
- Lanco Products Corporation, assignee: *See*—Landers, Manfred.
- Lancry, Maurice, and O. Lang, New York, N. Y. Bed reading lamp. 2,443,829, June 22.
- Land, Edwin H.: *See*—Georgian, Vlasios, Amon, Gofstein, Land, West, and Woodward.
- Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Light-polarizing sheet of molecularly oriented transparent linear high polymer dyed with dichroic substance and manufacture. 2,454,515, Nov. 23.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Developing camera utilizing a film, another sheet material, and a fluid processing agent. 2,435,717, Feb. 10.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic process and apparatus for subjecting a photographic film to a processing fluid. 2,435,718, Feb. 10.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus for subjecting a photographic film to a processing fluid. 2,435,719, Feb. 10.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,435,720, Feb. 10.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Manufacture of light-polarizing, two-tone image on a sheet. 2,440,102, Apr. 20.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing lamination having a plurality of coplanar protective glass elements. 2,440,103, Apr. 20.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing viewer for use in connection with stereoscopic pictures. 2,440,104, Apr. 20.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Treatment of polarizing polyvinyl alcohol-iodine sorption complex image with boric acid. 2,445,581, July 20.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,455,125, Nov. 30.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Apparatus for exposing and processing photographic film. 2,455,126, Nov. 30.
- Land, Edwin H., Cambridge, Mass., and M. Grabau, Reading, Pa., assignors to Polaroid Corporation, Cambridge, Mass. Image-carrying film having light-polarizing and nonpolarizing images. 2,440,105, Apr. 20.
- Land, Edwin H., Cambridge, J. Mahler, Brookline, and M. Hyman, Jr., assignors to Polaroid Corporation, Cambridge, Mass. Light-polarizing image and forming the same. 2,440,106, Apr. 20.
- Land, Edwin H., Cambridge, A. J. Bachelder, Lexington, and O. E. Wolff, assignors to Polaroid Corporation, Cambridge, Mass. Stereo camera range finder system. 2,453,075, Nov. 2.
- Land, Hal W., Louisville, Ky. Land sail vehicle. 2,443,565, June 15.
- Land, Harry A., Chicago, Ill., assignor to International Harvester Company. Sliding gear lock. 2,440,775, May 4.
- Landau, Lucian, assignor to Latex Industries Limited, Chingford, London, England. Production of hollow articles by dipping. 2,451,961, Oct. 19.
- Landau, Miles E., Brooklyn, N. Y. Abrasive wheel with flexible resilient rim. 2,451,753, Oct. 19.
- Landauer, Fred, Rockville Centre, N. Y. Electric treatment appliance. 2,447,127, Aug. 17.
- Landers, Charles H., assignee: *See*—Clay, Paul H.
- Landers, Manfred, assignor to Lanco Products Corporation, New York, N. Y. Coated granules of a dry water-soluble salt of carboxymethyl cellulose. 2,445,226, July 13.
- Landes, Benjamin D., Middletown, R. I. Device for attaching antiskid chains to vehicle wheels. 2,434,362, Jan. 13.
- Landgraf, Francis J. and R. P., Chicago, Ill. Synchronous electric clock motor. 2,437,201, Mar. 2.
- Landgraf, Fred, Los Angeles, Calif. Helicopter with one or more rotors having controllable ailerons. 2,443,393, June 15.

- Landgraf, Richard P.: *See*—
Landgraf, Francis J. and R. P.
- Landis, Elmer, Clayton, assignor to United Aircraft Products, Inc., Dayton, Ohio. Oil tank for lubricating systems. 2,435,359, Feb. 3.
- Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. High-speed arc welding. 2,444,834, July 6.
- Landis & Gyr, A. G., assignee: *See*—
Beusch, Willi.
Latensner, Albin.
Maag, Otto.
Perret, Henri.
Weber, Ernst, Pudelko, Bollmann, and Wermelle.
- Landis Machine Company, assignee: *See*—
Dunford, Ernest.
Harper, James G., and Hopkins.
- Landis Tool Company, assignee: *See*—
Price, Ralph E.
- Landmann, Alexander, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Tuner for ultra high frequencies. 2,438,784, Mar. 30.
- Landmeier, Edwin W., Lakeside Park, assignor to The Wadsworth Electric Manufacturing Co., Inc., Covington, Ky. Electric timing apparatus. 2,443,508, June 15.
- Landmeier, Edwin W., Lakeside Park, Ky. Fuse clamp. 2,448,267, Aug. 31.
- Landolt, Albert, Riehen, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Tendering properties of textiles dyed with yellow to orange vat dyes by treatment with certain nitrogenous resins. 2,435,591, Feb. 10.
- Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel feeding apparatus. 2,449,237, Sept. 14.
- Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Draft control means for fuel burners. 2,456,131, Dec. 14.
- Landow, Mitchell, Bronx, N. Y. Chuck adapter. 2,451,565, Oct. 19.
- Landry, Henry J., South Ashburnham, and R. C. Bockus, assignors to Gem Crib and Cradle Company, Gardner, Mass. Crib spring. 2,434,620, Jan. 13.
- Landry, Victor E., Pittsburgh, Pa. Tonsillar instrument. 2,455,068, Nov. 30.
- Landsbergen, Hendricus J.: *See*—
Alma, Geritt H. P., Cohen, and Landsbergen.
- Lane, Albert E., Wrenonah, N. J., assignor to Radio Corporation of America. Rotary indicator employing light-conducting elements. 2,441,825, May 18.
- Lane, Albert M., K. V. Kirkpatrick, and R. A. Erskine, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,450,733, Oct. 5.
- Lane, Arthur W.: *See*—
Curry, Robert S., Lane, and Woodbury.
- Lane, Fred A., Shelburn, assignor to Lane Motors, Inc., Terre Haute, Ind. Fluid-driven pump. 2,456,832, Dec. 21.
- Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Ventilating window assembly and latch therefor. 2,445,954, July 27.
- Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Upper pivot for ventilator panels. 2,445,955, July 27.
- Lane, Leslie C., and C. H. Parker, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Fumaric acid-conjugated hydrocarbon adducts. 2,444,263, June 29.
- Lane, Maurice W.: *See*—
Bartelheim, Leland A., and Lane.
Bartelheim, Leland A., Lane, and Mallina.
- Lane Motors, Inc., assignee: *See*—
Lane, Fred A.
- Lane, Noah F., Arkansas City, Kans. Railway car side bearing. 2,452,940, Nov. 2.
- Lane, Russell C., San Carlos, Calif. Quick coupling for hose. 2,449,659, Sept. 21.
- Lane-Wells Company, assignee: *See*—
Arnold, James C.
Meddick, Lorrain D.
Swings, Polydore F.
Turechek, George F.
- Lancy, Virgil H., Fremont, Nebr., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Tape perforator. 2,445,834, July 27.
- Lang, Frédéric F., Leesburg, Fla. Tong. 2,442,698, June 1.
- Lang, Gregor L., West Caldwell, N. J., assignor to Link Aviation, Inc. Radio signaling means for aviation trainers. 2,435,502, Feb. 3.
- Lang, Gus W., Miami, Fla. Tile making machine. 2,443,683, June 22.
- Lang, John W., Jr.: *See*—
Ress, Thomas I., and Lang.
- Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Staple strip and staple. 2,433,914, Jan. 6.
- Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Container closing method and apparatus. 2,435,397, Feb. 3.
- Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Method and apparatus for closing cartons. 2,435,398, Feb. 3.
- Lang, Joseph C., Pittsburgh, Pa., assignor to Bocjl Corporation. Stapling apparatus. 2,440,479, Apr. 27.
- Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Electric motor control system. 2,452,769, Nov. 2.
- Lang, Louis, assignor to The National Sugar Refining Company, New York, N. Y. Cocoa-sugar composition. 2,452,770, Nov. 2.
- Lang, Otto: *See*—
Lancy, Maurice, and Lang.
Lang, Sandy, Chicago, Ill. Kite. 2,434,077, Jan. 6.
Lang, Sandy, Chicago, Ill. Tethered ball game device. 2,442,296, May 25.
Lang, Sandy, Chicago, Ill. Kite. 2,442,417, June 1.
- Lang, Walter T.: *See*—
Lehde, Henry, and Lang.
Robinson, Lawrence R., and K. I., Berger and Lang.
Lang, Walter T., Brooklyn, assignor to Control Instrument Company, Inc., New York, N. Y. Selector mechanism. 2,455,783, Dec. 7.
- Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Relay computing mechanism. 2,434,499, Jan. 13.
- Lang, William C., Willoughby, Ohio. Apparatus for producing coated wires by continuous process. 2,445,675, July 20.
- Lang, Wilmarth Y., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printer and control system therefor. 2,437,698, Mar. 16.
- Langdon, Jesse D.: *See*—
Delany, John J., and Langdon.
- Langdon, Jesse D., Long Beach, Calif. Safety razor. 2,434,275, Jan. 13.
- Langdon, Jesse D., Long Beach, Calif. Plumbing fixture installation. 2,438,507, Mar. 30.
- Langdon, Jesse D., Long Beach, Calif. Adjustable check valve. 2,447,510, Aug. 24.
- Lange, Edward H., Baltimore, Md. Portable collapsible power-distribution tower for electric lawn mowers. 2,439,010, Apr. 6.
- Lange, Edward H., Baltimore, Md. Demodulator device for frequency and amplitude modulations. 2,445,621, July 20.
- Lange, Edward H., Baltimore, Md. Diode modulator. 2,452,132, Oct. 26.
- Lange, Ferdinand H., Wilkes-Barre, assignor of one-third to W. L. Teeter, Kingston, and one-third to R. B. Grontkowski, Hazleton, Pa. Car door. 2,434,805, Jan. 20.
- Lange, Harold T., Webster Groves, assignor to Spoehrer-Lange Co. Inc., St. Louis, Mo. Refrigerant flow control means. 2,443,581, June 15.
- Langer, Walter, New York, N. Y. Tube of flexible composite sheet material and the manufacture thereof. 2,440,339, Apr. 27.
- Lange, Werner, Forest Hills, N. Y. Holding fixture for coating optical elements. 2,453,141, Nov. 9.
- Langenau Manufacturing Company, The, assignee: *See*—
Barnes, Wallace A.
- Langer, Nicholas, New York, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,445,401, July 20.
- Langham, Eric M.: *See*—
Bedford, Leslie H., Bell, and Langham.
- Langhurst, Louis F., assignor to The V. D. Anderson Company, Cleveland, Ohio. Method and apparatus for separating finely divided solid material from a fluid suspension thereof. 2,441,200, May 11.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic drying oils from a dithiol and divinylacetylene. 2,448,987, Sept. 7.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic titanium compound and making same. 2,453,520, Nov. 9.
- Langley, Sarah L., administratrix: *See*—
Neely, Charles A.
- Langley, William L., Locust Grove, Okla. Receptacle for vehicles. 2,447,188, Aug. 17.
- Langmuir, David B., Englewood, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,439,173, Apr. 6.
- Langmuir, Irving, and V. J. Schaefer, Schenectady, N. Y., assignors to General Electric Company. Method and apparatus for producing aerosols. 2,437,963, Mar. 16.
- Langmuir, Robert V., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation. 2,454,971, Nov. 30.
- Langmuir, Robert V., Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,457,162, Dec. 28.
- Langsam, Harry, assignee: *See*—
Glazer, William H.
- Langsett, Victor M.: *See*—
Smith, Lawrence H.
- Langstaff, Robert, Donora, Pa. Sectional dining table. 2,449,903, Sept. 21.
- Langton, Bowen D.: *See*—
Love, Homer, Britain, Langton, and R. E. and C. E. Van Gundy.
- Languirand, William: *See*—
Callahan, Clarence H., and Languirand.

- Languirand, William, New Bedford, Mass., assignor to Textile Research Co. Loom protector rod actuating mechanism. 2,436,754, Feb. 24.
- Lanham, William E.: *See—*
Hexter, Joseph, and Lanham.
- Lanier, Harold H., United States Navy, Langdale, Ala., and R. E. Mueller, United States Navy, St. Louis, Mo. Cathode-ray tube. 2,449,553, Sept. 21.
- Lanier, Hubert R.: *See—*
Snow, Albert G., Jr., and Lanier.
- Lanigan, Francis W.: *See—*
Cass, Thomas F., Jr., Kirk, and Lanigan.
- Lankelma, Herman P.: *See—*
Musselman, John M., and Lankelma.
- Lankvoski, Anatoly: *See—*
Graves, Michael, and Lankvoski.
- Lannert, William H.: *See—*
Stahnke, Leslie R., and Lannert.
- Lannom, Harvey H., assignor to Lannom Products Corporation, Nashville, Tenn. Correct money changer. 2,446,182, Aug. 3.
- Lannom Products Corporation, assignee: *See—*
Lannom, Harvey H.
- Lanphere, Clive W., New York, N. Y. Curtain and curtain hanging means. 2,451,034, Oct. 12.
- Lansing, Charles B., Geauga County, Ohio. Automatic band saw machine. 2,455,423, Dec. 7.
- Lansing, Edward S., assignee: *See—*
Smiley, Lloyd D., and Lansing.
- Lansing, Raymond P., Montclair, assignor to Bendix Aviation Corporation, Teterboro, N. J. Switch. 2,441,888, May 18.
- Lansing, Warren S., Loveland, Colo. Plow attachment for tractors. 2,457,163, Dec. 28.
- Lanteen Medical Laboratories, Inc., assignee: *See—*
Fowler, Chester C., and Clark.
- Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Handle for portable blowers. 2,455,786, Dec. 7.
- Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Vacuum cleaner. 2,456,639, Dec. 21.
- Lanter, Clarence W., Du Page County, Ill., assignor to Birtman Electric Company. Disintegrator housing with dish-shaped sides. 2,435,226, Feb. 3.
- Lantz, Alpha P., Washington, D. C. Built-in ironing board. 2,445,956, July 27.
- Lantz, Henri, assignor to Societe Chimique de la Grande Paroisse (Azote & Produits Chimiques), Paris, France. Low-temperature distillation of fuels by direct contact with reheated distillate vapors. 2,448,223, Aug. 31.
- Lantz, Louis A., and A. Schofield, assignors to The Calico Printers' Association Limited, Manchester, England. Production of gasproof compound fabrics. 2,438,176, Mar. 23.
- Lanzalotti, Samuel J., Williamstown, and M. Skobel, Eatontown, N. J., assignors to the United States of America, as represented by the Secretary of War. Grommet insulating bushing unit. 2,439,394, Apr. 13.
- Lanzendorfer, Carl, San Francisco, Calif. Paper feed gauge for printing presses. 2,445,143, July 13.
- Lapell, Edward W., Detroit, Mich. Golf glove. 2,436,755, Feb. 24.
- La Piana, Fred G., Forest Hills, N. Y., and H. S. Bosland, Patterson, N. J., assignors to Stein, Hall & Company, Inc., New York, N. Y. Emulsion adapted for coating textiles. 2,453,752, Nov. 16.
- La Plant-Choate Manufacturing Co., Inc., assignee: *See—*
Austin, Ellsworth W.
Hyler, Lottell L.
Rockwell, Harvey W.
- Lapointe Machine Tool Company, The, assignee: *See—*
Phaneuf, Wilrose J.
- Lapointe, Oniel, Van Buren, Maine. Vegetable harvester. 2,453,714, Nov. 16.
- La Pointe, Peter, Brooklyn, N. Y. Vertical air current type potato separating machine. 2,448,446, Aug. 31.
- La Porte, B., Limited, assignee: *See—*
Slater, Victor W., and Wood.
- Lappin, Lester S., Camden, and R. F. Holtz, Merchantville, N. J., assignors to Radio Corporation of America. Electronic power generation. 2,447,616, Aug. 24.
- Lappin, Lester S., Camden, and R. P. Corporon, Hadfield, N. J., assignors to Radio Corporation of America. High-frequency power output control. 2,453,994, Nov. 16.
- Lapsensohn, Jacob, Brooklyn, N. Y. Fish spear and hook. 2,455,784, Dec. 7.
- Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid pump and control therefor. 2,433,954, Jan. 6.
- Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,456,132, Dec. 14.
- La Raus, Julius, Westport, Conn. Heating system. 2,448,988, Sept. 7.
- La Ray Engineering and Equipment Co., Inc., assignee: *See—*
Oertle, Lawrence C.
- La Resistta Corset Company, The, assignee: *See—*
Hollar, John V.
Smith, Frances M.
- Large, Wayne V. K.: *See—*
Fitch, Karl E., Large, and Lucek.
- Large, William E., Pittsburgh, Pa., and W. R. Morton, Oak Ridge, Tenn., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timer. 2,443,660, June 22.
- La Riccia, Anthony, Cleveland Heights, and T. W. Plante, Cleveland, Ohio. Pipe coupling. 2,449,607, Sept. 21.
- Larime, Carl M., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric gaseous discharge lamp circuit. 2,444,408, June 29.
- La Rizza, Anthony, Revere, Mass. Fuse attachment for electric plugs. 2,457,477, Dec. 28.
- Larkin, Albert C.: *See—*
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
- Larkin, Charles A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for handling metal sheets. 2,456,004, Dec. 14.
- Larkin, Ernest E., Pinner, assignor to The Union Cold Storage Company Limited, London, England. Method and refrigerating apparatus for the cold storage of goods. 2,441,889, May 18.
- Larkin, Gerald A.: *See—*
Larkin, Leo J., Regan, and G. A. Larkin.
- Larkin, John A., New York, N. Y. Joint for structural steel columns and girders. 2,441,890, May 18.
- Larkin, Leo J., J. J. Regan, and G. A. Larkin, assignors to La Crosse Rubber Mills Company, La Crosse, Wis. Vulcanizer. 2,439,011, Apr. 6.
- Larkin, William J., Lynnfield, assignor to National Company, Inc., Malden, Mass. Soldering post for electronic equipment. 2,436,756, Feb. 24.
- Larkin, William J., Lynnfield, assignor to National Company, Inc., Malden, Mass. Terminal connector for electrical conductors. 2,448,268, Aug. 31.
- Larkins, John S., Jr., Scotia, N. Y. Cable connector. 2,440,279, Apr. 27.
- Larmett, John and J. S., Waterbury, Conn. Manually-operated bottle loader. 2,441,494, May 11.
- Larmett, John S.: *See—*
Larmett, John and J. S.
- Larmuth, Allin and L. J., Worsley, England. Loading and unloading device for wire stranding, rope, and cable making machines. 2,451,754, Oct. 19.
- Larmuth, Leonard J.: *See—*
Larmuth, Allin and L. J.
- Larner, William V., Parma, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire pay-off reel. 2,441,639, May 18.
- La Rocque Mfg. Co., Inc., The, assignee: *See—*
La Rocque, Samuel W.
- La Rocque, Samuel W., assignor to The La Rocque Mfg. Co., Inc., Pawtucket, R. I. Picker spindle. 2,452,771, Nov. 2.
- La Rosa, Nate: *See—*
Gambino, Nate, and La Rosa.
- La Rose, William J., North Troy, assignor of one-fourth to H. W. Heffner, Troy, N. Y. Collar. 2,436,696, Feb. 24.
- Larrabee, Clinton E.: *See—*
Johnson, Reynold B., and Larrabee.
- Larsen & Co., Inc., assignee: *See—*
Larsen, Herbert J.
- Larsen, Earl I.: *See—*
Hensel, Franz R., and Larsen.
Hensel, Franz R., Larsen, and Swazy.
- Larsen, Einer W., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibrating apparatus. 2,438,755, Mar. 30.
- Larsen, Einer W., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibrating apparatus. 2,438,756, Mar. 30.
- Larsen, Elmer J., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Length measuring apparatus in combination with a twisting machine. 2,437,101, Mar. 2.
- Larsen, Henry M., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drier for coated wires. 2,434,169, Jan. 6.
- Larsen, Herbert J., Chevy Chase, Md., assignor to Larsen & Co., Inc., Washington, D. C. Stenographic notebook holder. 2,443,216, June 15.
- Larsen, Howard M.: *See—*
Peterson, Roy E., and Larsen.
- Larsen, Robert E., Chicago, Ill. Boil cup. 2,443,140, June 8.
- Larsen, Robert G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Electric cable impregnated with tertiary alkyl naphthalenes. 2,436,110, Feb. 17.
- Larsen, Robert G., Albany, and K. E. Marple, Oakland, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil compositions containing polymerized allyl esters of carboxylic acids. 2,441,023, May 4.
- Larsh, Everett P., Dayton, Ohio. Piston rod connecting device. 2,452,247, Oct. 26.
- Larson, Albert H., and C. W. Fox, El Dorado, Ark. Tension indicator for threads on sewing machines. 2,457,245, Dec. 28.
- Larson, Alfred O., Grand Rapids, assignor to American Seating Company, Kent County, Mich. Seating arrangement. 2,434,857, Jan. 20.

- Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carboxylic acids. 2,448,375, Aug. 31.
- Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymeric ethylene emulsions. 2,449,489, Sept. 14.
- Larson, Alfred T., D. J. Loder, and H. R. Dittmar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of *n,n'* ethyleneurea. 2,436,311, Feb. 17.
- Larson, Algot, Bronx, assignor to Unique Balance Co., Inc., New York, N. Y. Stabilizer for double hung windows. 2,446,014, July 27.
- Larson, Andrew D., assignor to A. Stein & Company, Chicago, Ill. Belt package. 2,442,979, June 8.
- Larson, Arthur G.: *See*—
Hewitt, Ellis E., and Larson.
- Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for reversible locomotives. 2,440,340, Apr. 27.
- Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for plural motor propulsion systems. 2,457,568, Dec. 28.
- Larson, August A.: *See*—
Larson, George K., and Larson.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company, Method and apparatus for sealing containers. 2,435,747, Feb. 10.
- Larson, Charles J., Warren, Minn. Brush attachment for mop handles. 2,439,174, Apr. 6.
- Larson, Charles O., Sterling, Ill. Picture hanger. 2,454,813, Nov. 30.
- Larson, Christian C., assignor, by mesne assignments, to Farnsworth Research Corporation. Optical focusing means for image translating devices. 2,435,316, Feb. 3.
- Larson, Christian C., and C. E. Hallmark, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Television relief picture system. 2,436,516, Feb. 24.
- Larson, Ellis L., Chicago, Ill. Cylinder liner. 2,435,837, Feb. 10.
- Larson, George A., Rockford, Ill. Sanding device. 2,446,183, Aug. 3.
- Larson, George K., Smethport, and A. A. Larson, Johnsonburg, Pa. Variable union. 2,447,947, Aug. 24.
- Larson, Leslie W., St. Paul, Minn. Rack attachment for laundry tubs. 2,449,131, Sept. 14.
- Larson, Ralph A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for lacquer coating side seams of can bodies. 2,455,785, Dec. 7.
- Larson, Raymond T., Park Ridge, Ill., assignor, by mesne assignments, to Arnolt Corporation. Automotive spotlight. 2,454,931, Nov. 30.
- Larson, Robert H., Batavia, Ill. Film gate. 2,438,710, Mar. 30.
- Larson, Roy F.: *See*—
Thomas, McCalip J., and Larson.
- Larson, Siegfried W., Upper Darby, assignor to Leeds and Northrup Company, Philadelphia, Pa. Antibacklash gearing. 2,440,901, May 4.
- Larson, William B., Glen Ridge, N. J. Binocular mount. 2,444,453, July 6.
- Larter, Raymond B., assignor of one-half to L. J. Hull, Los Angeles, Calif. Index device. 2,437,102, Mar. 2.
- Lasalco, Inc., assignee: *See*—
House, Norman K.
- La Salle National Bank, assignee: *See*—
Haug, Eugene H.
- LaSalle National Bank, assignee, trustee: *See*—
Haug, Eugene H.
- Lasar, William, Los Angeles, Calif. Reciprocating work table for band saws with means for retracting the table from the cutting plane after each cutting stroke. 2,445,676, July 20.
- Lasar, William, Los Angeles, Calif. Reciprocating carriage for endless band meat cutting machines. 2,450,601, Oct. 5.
- Lasdell Products Co.: *See*—
Laskin, Louis J.
- Lash, Leda I., now by marriage: *See*—
Speiser, Leda I.
- Laskey, Clifford, Berkeley, Calif. Electrode holder. 2,443,043, June 8.
- Laskin, Louis J., assignor to W. I. Zidell and L. J. Laskin, both of Los Angeles, Calif., doing business as Lasdell Products Co., Los Angeles, Calif. Nonspillable cup. 2,437,784, Mar. 16.
- Laskowitz, Isidor B., Brooklyn, N. Y. Tilttable counter-rotating rotor system for helicopters and control means therefor. 2,434,278, Jan. 13.
- La Soundure Electric Autogene, assignee: *See*—
Cito, Camillo.
- Lassa, Frank J., Chicago, Ill. Closet bend collar connection. 2,436,070, Feb. 17.
- Lassen, Elvind U., Whitefish Bay, Wis., and A. A. Johnson, Forest Hills, N. Y., said Lassen assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for towing winches and other machines. 2,447,074, Aug. 17.
- Latchum, John W., Jr., Bartlesville, Okla. Hydrogen chloride recovery in a butane isomerization process. 2,433,996, Jan. 6.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of metal halide from fluids. 2,443,141, June 8.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removing noncombustibles for fuel gas. 2,448,719, Sept. 7.
- Latchum, John W., Jr., and J. S. Connors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Azeotropic distillation of toluene with propionic acid. 2,434,322, Jan. 13.
- Latchum, John W., Jr., Bartlesville, and A. D. Pickett and G. B. Evans, Oklahoma City, Okla., assignors to Phillips Petroleum Company. Isomerization of normal paraffin hydrocarbons by contact with aluminum chloride supported on a metal halide. 2,442,418, June 1.
- Latendorf Conveying Corporation, assignee: *See*—
Stadelman, Frank.
- Latenser, Albin, Horgen, Switzerland, assignor to Landis & Gyr, A. G. Pressure measuring instrument. 2,456,713, Dec. 21.
- Latex Industries Limited, assignee: *See*—
Landau, Lucian.
- Latham, Allen, Jr., Jamaica Plain, assignor to Arthur D. Little, Inc., Cambridge, Mass. Air separating system and process. 2,448,491, Aug. 31.
- Latham, George H., and D. E. Strain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyethylene stabilized with *z*is-(hydroxyphenyl) compounds. 2,434,662, Jan. 20.
- Lathan, James R., and M. H. Comer, Burlington, assignors to Burlington Mills Corporation, Greensboro, N. C. Expanding cake holder. 2,444,780, July 6.
- Lathrop, Elbert C.: *See*—
Dunning, John W., and Lathrop.
- Lathrop, Elbert C., and S. I. Aronovsky, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Cork substitute and a process for its production. Re. 23,012, June 29.
- Lathrop, Elbert C., and S. I. Aronovsky, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture. Cork substitute and its production. 2,433,849, Jan. 6.
- Lathrop, Harold F.: *See*—
Winchester, Clark E., and Lathrop.
- Lathrop, Harvey, Forest Hills, Long Island, N. Y. Calendar having folding, adjustable date elements slidably receivable in supporting frame. 2,447,807, Aug. 24.
- Lathrop-Hoge Construction Company, assignee: *See*—
Zimmerman, Robert F.
- Lathrop-Paulson Company, The, assignee: *See*—
Hageline, Emil E.
Rufus, Otto B.
- Latimer, Kenneth E., and S. C. Smith, London, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Plug and socket joint suitable for electrical conductors carrying high-frequency currents. 2,446,706, Aug. 10.
- Latin, George S., Grass Valley, Calif. Cigarette extinguisher and ejector. 2,435,687, Feb. 10.
- Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,434,170, Jan. 6.
- Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,434,171, Jan. 6.
- Latta, Lynn H.: *See*—
Nuffer, Joseph H., and Latta.
- Lattmann, Max, Zurich, Switzerland. Electric system for controlling motions. 2,440,147, Apr. 20.
- Latture, James L., Los Angeles, Calif., assignor to Gruender Crusher & Pulverizer Company, St. Louis, Mo. Opposed roll crusher with complementary double-curve-dress. 2,434,938, Jan. 27.
- Lau Blower Company, The, assignee: *See*—
Ganger, Karl M., and Burrows.
- Lau, Herbert C., Oak Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Skid. 2,448,447, Aug. 31.
- Laubereau, Otto: *See*—
Dohrn, Max, and Laubereau.
- Laubin, Clarence W.: *See*—
Beardsley, Guy E., Jr., and Laubin.
- Laucius, Joseph F., Wilmington, Del., and W. W. Williams, Albany, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copper complexes of di-anisidine disazo dyes. 2,437,699, Mar. 16.
- Lauck, John A.: *See*—
Roth, Jay M., and Lauck.
- Lauck, John A., South Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump with pressure bushing. 2,444,165, June 29.
- Laucks Laboratories, Inc., assignee: *See*—
Lincoln, John H., and Branchflower.
- Lauder, Wallace A., and E. F. Cahoon, assignors to Telautograph Corporation, New York, N. Y. Magnetic rotator for telecribers. 2,442,853, June 8.
- Laufer, Maurice K.: *See*—
Roper, John M., and Laufer.
- Laughlin, Carl D., Drexel Hill, and H. M. Gwyn, Jr., assignors to Attapulgis Clay Company, Philadelphia, Pa. Regenerating adsorbents. 2,434,419, Jan. 13.
- Laughlin, Henry, Derry, Pa. Filter. 2,452,772, Nov. 2.

- Laughlin, Kenneth C., Wilmington, Del., and H. J. Ogorzaly, Summit, N. J., assignors to Standard Oil Development Company. Dehydrogenating butane. 2,436,721, Feb. 24.
- Laughlin, William C., New York, N. Y., assignor to Ralph B. Carter Company, Hackensack, N. J. Combined wet screening and shredding apparatus. 2,446,772, Aug. 10.
- Lauman, Herman E., Garden City, N. Y. Well pumping system. 2,451,168, Oct. 12.
- Lauder, William D., Los Angeles, Calif. Tube lock. 2,455,069, Nov. 30.
- Laurance, Harold W., Coulee Dam, Wash. Consistency meter. 2,448,533, Sept. 7.
- Laurent, Milton P.: *See—*
Cummings, James D., and Laurent.
- Laureys, Fred R., Middle Village, N. Y. Adjustable multiple plate holder. 2,454,516, Nov. 23.
- Lauricella, John W., Passaic, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electronic timer. 2,444,210, June 29.
- Laury, Napoleon A.: *See—*
Dean, Russell T., King and Laury.
- Laus, Anthony J., Pittsburgh, Pa. Shopping bag handle. 2,448,894, Sept. 7.
- Lausten, Elsie, assignee, et al.: *See—*
Moon, Adelle M.
- Lautenbach, Dirk: *See—*
Dahlgren, George, and Lautenbach.
- Lautenschläger, Carl L., and F. Lindner, Frankfurt-on-the-Main, Germany; vested in the Attorney General of the United States. Extracting antidiabetic substance from pancreas. 2,449,076, Sept. 14.
- Lautmann, Alfred J., Detroit, Mich. Rivet. 2,438,976, Apr. 6.
- Lautzenheiser, Willis P.: *See—*
Maul, John A., Lautzenheiser.
- La Vallee, Oscar A., Wolf Point, Mont. Refrigerator drawer. 2,455,182, Nov. 30.
- La Valliere, Walter J., Sheboygan, Wis. Spring supported rocking chair. 2,454,932, Nov. 30.
- Lavenburg, Albert, assignee: *See—*
Alexander, Focsaneanu.
- Lavietes, David P., Boone, N. C. Smoker's pipe. 2,451,838, Oct. 19.
- Lavietes, David P., Brooklyn, N. Y. Smoker's pipe. 2,443,108, June 8.
- Lavino, E. J., and Company, assignee: *See—*
Howard, John J., and Heiligman.
Tauber, John A., and Heiligman.
- Law, Russel R., Princeton, N. J., assignor to Radio Corporation of America. Thermionic cathode and heater. 2,456,714, Dec. 21.
- Law, Theodore N., assignee: *See—*
Kerr, Ralph L.
- Lawe, Thomas: *See—*
Sturrock, Murray G., Lawe, and Kemp.
- Lawhorne, William M., Primos, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa. Cable connector. 2,446,660, Sept. 21.
- Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif. Hoist. 2,448,674, Sept. 7.
- Lawson, Levering, Palos Verdes Estates, assignor to Deepwater Chemical Co., Ltd., Compton, Calif. Method and apparatus for clarifying alkaline well waters. 2,446,655, Aug. 10.
- Lawrence, Donald M.: *See—*
Troeger, Henry, and Lawrence.
- Lawrence, Donald M., Wood-Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Synchronizing mechanism. 2,455,070, Nov. 30.
- Lawrence, Frank L., Vancouver, British Columbia, Canada. Hydraulic clutch control. 2,437,430, Mar. 9.
- Lawrence, Harold J.: *See—*
Hennessy, Mark M., and Lawrence.
- Lawrence, Harold J., and M. M. Hennessy, assignors to Durant Manufacturing Co., Milwaukee, Wis. Drive for counter numeral wheels. 2,444,570, July 6.
- Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Pulse forming circuit. 2,446,838, Aug. 10.
- Lawrence, John G., Des Moines, Iowa. Breaking lead halter for cattle. 2,457,246, Dec. 28.
- Lawrence, John T., Inman, S. C. Collapsible house. 2,448,895, Sept. 7.
- Lawrence, Ralph, Miami, Fla. Color process registration table. 2,438,639, Mar. 30.
- Lawrence, Oras R., Pleasantville, N. J. Sound reproducing system. 2,441,425, May 11.
- Lawrence Paper Company, The: *See—*
Hill, Irving.
- Lawrence Products Co., assignee: *See—*
Pruitt, Willis.
- Lawrence, Robert R., Ludlow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Coated fabric. 2,441,542, May 11.
- Lawrie, James W.: *See—*
Uihlein, Erwin C., and Lawrie.
- Lawry, Richard T., Richmond, Calif. Cable clamp. 2,450,147, Sept. 28.
- Lawshe, Walter D., assignor, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash. Viscosimeter. 2,457,247, Dec. 28.
- Lawson, Anna, Detroit, Mich. Safety lowering device for use as a fire escape. 2,449,813, Sept. 21.
- Lawson, Birdsall P., assignor to Pilling Chain Company, Providence, R. I. Mechanism for bending slider bodies. 2,438,060, Mar. 16.
- Lawson, Frank C., Anderson, Ind. Fluid drive for motor-cycles. 2,436,893, Mar. 2.
- Lawson, Herbert E., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy. Electrolyte for primary cells comprising lithium bromide. 2,445,306, July 13.
- Lawson, J. J., assignee: *See—*
Stukes, Horace A.
- Lawson, James L., Ann Arbor, Mich., assignor to the United States of America, as represented by the Secretary of the Navy. Control of reflections in transmission lines. 2,435,788, Feb. 10.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for turning the platform covers of platform shoes. 2,448,101, Aug. 31.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform cover turning machine. 2,448,102, Aug. 31.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gripper mechanism. 2,454,876, Nov. 30.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,455,370, Dec. 7.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Driver guard for fastening inserting machines. 2,455,371, Dec. 7.
- Lawson, Robert H., Lakeport, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine and knitting. 2,440,280, Apr. 27.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Conveyor gripper member for can bodies. 2,455,127, Nov. 30.
- Layne, Julian: *See—*
Vigerust, Oliver S., and Layne.
- Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of hydrocarbons with sulfur containing catalyst. 2,446,426, Aug. 3.
- Layng, Edwin T., Jersey City, N. J., and F. T. Suman, Jr., Nyack, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion. 2,453,327, Nov. 9.
- Laystrom, Carl A.: *See—*
Faneli, Walter, and Laystrom.
- Laythe, Leo L., Portland, Ore. Combined sleeping bag and tent. 2,442,132, May 25.
- Lazar, Arthur: *See—*
Lyons, Daniel J., Lazar, and Ingraham.
- Lazare, Paul, New York, N. Y. Garment supporter. 2,436,581, Feb. 24.
- Lazarus, Alexander, Rosedale, N. Y. Theft-preventing locking device for automobiles and the like. 2,453,236, Nov. 9.
- Lazarus, David, Baltimore, Md. Pallet. 2,443,684, June 22.
- Lea, Charles W., Valley Stream, N. Y., assignor to American Machine and Foundry Company. Article feed mechanism for wrapping machines. 2,447,948, Aug. 24.
- Lea, Edward S., Morrisville, Pa., assignor to Doyle & Roth Company, Long Island City, N. Y. Finned tube. 2,440,803, May 4.
- Lea, George D., Downers Grove, and C. L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electric soldering. 2,435,789, Feb. 10.
- Leach, Charles C., Clayton, assignor of one-half to M. Boulicault, St. Louis, Mo., and R. J. Miller, Webster Groves, Mo. Liquid column level. 2,438,758, Mar. 30.
- Leach Company, assignee: *See—*
Manthie, Otto F.
- Leach, Elden E., Jr., Norristown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Veneering elastomers. 2,437,855, Mar. 16.
- Leach, Geraldine M.: *See—*
Leach, Raymond A., and Geraldine M.
- Leach, John F., Childress, Tex. Centrifugal pump. 2,437,103, Mar. 2.
- Leach, John M., assignee: *See—*
Leo, Paul.
- Leach, John M., Port Washington, N. Y. Amusement device. 2,446,540, Aug. 10.
- Leach, Lester L.: *See—*
Ebersole, George B., and Leach.
- Leach, Raymond A. and G. M., Los Angeles, Calif. Shoe with detachable upper. 2,438,711, Mar. 30.
- Leader, Sidney A., and J. J. Gordon, assignors to Portland Plastics Limited, London, England. Methyl methacrylate compositions opaque to X-rays. 2,439,374, Apr. 13.
- Leaf, Bernard P.: *See—*
Johnson, John M., and Leaf.
- Leaf, Walter B., Denver, Colo. Foam suppressing apparatus. 2,438,929, Apr. 6.
- Leaf, Walter B., Denver, Colo. Evaporator foam control apparatus. 2,444,454, July 6.
- Leaf, Walter B., Denver, Colo. Treating water. 2,447,511, Aug. 24.

- Leahy, James F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel attaching. 2,447,512, Aug. 24.
- Leake, James M., Monroe, Mich. Engine rocker arm. 2,448,989, Sept. 7.
- Leake, James M., Monroe, Mich. Engine rocker arm. 2,450,556, Oct. 5.
- Leape, Charles B., Pittsburgh, and F. A. Sattler, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Urea-formaldehyde-alkyd insulating composition. 2,454,187, Nov. 16.
- Lear, Incorporated, assignee: *See*—
Lear, William P.
Mageoch, Harry Y.
Marsen, Richard A.
Nygaard, Herman.
Schon, William K.
Wade, Willard H.
Wehner, John M.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Variable-speed control system. 2,436,582, Feb. 24.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Remote-control and indicator system. 2,436,583, Feb. 24.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Remote positioning control. 2,438,061, Mar. 16.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic sound translating system. 2,438,222, Mar. 23.
- Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetically actuated clutch and brake construction. 2,438,223, Mar. 23.
- Leas, Leo, assignor to Lee Paper Company, Vicksburg, Mich. Adjustable heads for paper winding reels. 2,449,398, Sept. 14.
- Leasure, Russell W., Vandergrift, Pa. Cartridge rim gauge. 2,444,136, June 29.
- Leather, John H., Newton, N. J. Portable heater and drier. 2,456,881, Dec. 21.
- Leatherman, Earl W., Akron, Ohio. Flame proofing compositions. 2,436,216, Feb. 17.
- Leatherman, Martin, Hyattsville, Md. Fire-resistant coating composition. 2,439,395, Apr. 13.
- Leatherman, Martin, Hyattsville, Md. Fire-resistant coating composition. 2,439,396, Apr. 13.
- Leatherman, Ward D., Akron, Ohio. Cigarette or like dispensing case. 2,456,963, Dec. 21.
- Leathers, Chester F.: *See*—
Johnson, Fred H., and Leathers.
- Leathers, Chester F., Detroit, Mich. Welding mechanism. 2,449,707, Sept. 21.
- Leathers, Ward, Brooklyn, and Jerrier Haddad, Ithaca, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,434,500, Jan. 13.
- Leathers, Ward, and G. S. Di Monaco, Brooklyn, assignors to International Business Machines Corporation, New York, N. Y. Magnetic leveling device for gyroscopic rotors. 2,449,661, Sept. 21.
- Lebach, Hans H.: *See*—
Adams, William H., Jr., and Lebach.
- Lebedeff, Yuri E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering metallic tin and antimony-tin alloy from Sb-Sn-As bearing materials. 2,436,010, Feb. 17.
- Lebedeff, Yuri E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering tin from stannic chloride. 2,436,868, Mar. 2.
- Lebedeff, Yuri E., Metuchen, and H. H. Monson, Avenel, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Pyrometallurgical treatment of tetrahydrite ores. 2,446,656, Aug. 10.
- Lebedinsky, Myron, Montlucon, assignor to Societe Anonyme de Telecommunications, Paris, France. Device for the transmission of calling and clearing signals in long distance telephonic circuits. 2,440,281, Apr. 27.
- Lebenhart, Edgar, New York, N. Y. Combined handle and closure means for flexible receptacles. 2,444,996, July 13.
- Leberknight, Charles E., and E. C. Ostrander, Edgewood, assignors to Kopp Glass, Inc., Swissvale, Pittsburgh, Pa. Glass composition. 2,454,607, Nov. 23.
- Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Siekman, Harold J., and Kimsey.
- Lebold, Samuel N., assignor to Morris Paper Mills, Chicago, Ill. Packaging receptacle. 2,443,256, June 15.
- Lecanu-Deschamps, Olivier, Paris, France. Automobile baggage carrier. 2,444,201, June 29.
- Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfonolides of azolic dyestuffs. 2,436,697, Feb. 24.
- Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfonolides of azolic dyestuffs. 2,437,644, Mar. 9.
- Lecher, Hans Z., Plainfield, R. P. Parker, and R. S. Long, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of 1,2-disubstituted 3-cyanoguanidines. 2,438,124, Mar. 23.
- Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and R. S. Long, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of 1-mono-and 1,2-disubstituted-3-cyanoguanidines. 2,455,894, Dec. 7.
- LeClair, Camille C. S., Acton, London, England. Pressure responsive valve. 2,436,147, Feb. 17.
- Le Clair, Camille C. S., Acton, London, England. Pipe joint. 2,437,543, Mar. 9.
- Le Clair, Camille C. S., Acton, London, England. Coupling for hoses and pipes. 2,443,394, June 15.
- Le Clair, Camille C. S., Acton, London, England. Lubrication of high-speed shafts or spindles. 2,445,227, July 13.
- Le Clair, Camille C. S., Acton, assignor to Tecalemit Limited, Brentford, England. Making reinforced porous metal members. 2,457,051, Dec. 21.
- Le Clair, Camille C. S., Acton, assignor to Tecalemit Limited, Brentford, England. Coupling for use in fluid supply systems. 2,457,052, Dec. 21.
- Le Clair, William, Martinsdale, Mont. Gravity actuated dirigible headlight. 2,445,835, July 27.
- Lecompte, Armand, Montreal, Quebec, Canada. Chain lock. 2,451,100, Oct. 12.
- Ledford, Hershel B., Dahlonega, Ga. Wheel and axle construction. 2,439,012, Apr. 6.
- Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 2,435,180, Jan. 27.
- Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,445,119, July 13.
- Le Directeur des Domaines, temporary (provisional) executor or administrator: *See*—
Lacrotte, Nazaire.
- Ledure, Eleanor O.: *See*—
Ledure, Jacques E.
- Ledure, Jacques E., assignor to E. O. Ledure, New York, N. Y. Separable hat rest or the like. 2,456,964, Dec. 21.
- Ledwith, Walter A.: *See*—
Buck, Richard S., and Ledwith.
- Ledwith, Walter A., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Sliding compressor cylinder. 2,434,323, Jan. 13.
- Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Self-aligning bearing. 2,440,720, May 4.
- Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Bearing. 2,441,495, May 11.
- Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining machine headlight. 2,445,072, July 13.
- Lee, Arthur L., Upper Arlington, Ohio, assignor by mesne assignments, to The Jeffrey Manufacturing Company. Electrical mine apparatus. 2,452,248, Oct. 26.
- Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Shuttle car. 2,457,569, Dec. 28.
- Lee, Charles M.: *See*—
Eagle, John H., and Lee.
- Lee, Edward C.: *See*—
Thomas, Charles L., and Lee.
- Lee, Edwin C., assignor to Standard Telephones and Cables Limited, London, England. Termination for electric power cables. 2,452,580, Nov. 2.
- Lee Foundation for Nutritional Research: *See*—
Lee, Royal.
- Lee Foundation for Nutritional Research, assignee: *See*—
Lee, Royal.
- Lee, Frederick W., Owings Mills, Md. Determining the subterranean extension of geologic bodies. 2,440,693, May 4.
- Lee, George P., Stroudsburg, Pa. Toy gun. 2,452,668, Nov. 2.
- Lee, Harley C.: *See*—
Mahoney, Charles H., Lee, Tarr, and Le Grand.
- Lee, Hoard, Houston, Tex. Heating element. 2,456,201, Dec. 14.
- Lee, Hoard, Houston, Tex. Heating unit. 2,456,202, Dec. 14.
- Lee, Hsiang K., Detroit, Mich. Method for sprouting beans. 2,436,652, Feb. 24.
- Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Control for engine cooling blowers. 2,454,324, Nov. 23.
- Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,442,049, May 25.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,442,419, June 1.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel supply systems for internal-combustion engines. 2,442,463, June 1.

- Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,442,954, June 8.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,446,335, Aug. 3.
- Lee, Leighton, II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Charge forming device. 2,450,833, Oct. 5.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,450,834, Oct. 5.
- Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Indicating apparatus. 2,450,835, Oct. 5.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,453,328, Nov. 9.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,453,329, Nov. 9.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,455,308, Nov. 30.
- Lee, Leonard, assignor to James Howden & Company Limited, Glasgow, Scotland. Dust collector. 2,451,755, Oct. 19.
- Lee, Leonard P., assignee: *See*—
Tippen, Frank J.
- Lee, Nixon, executor: *See*—
Lee, Nixon, Jr.
- Lee, Nixon, Jr., deceased, Forest Hills, N. Y., N. Lee, executor. Impeller. 2,449,531, Sept. 14.
- Lee Paper Company, assignee: *See*—
Leas, Leo.
- Lee, Pyungtoo W., and C. Dietz, York, Pa., assignors to The Dentists' Supply Company, New York, N. Y. Porcelain type denture composition and method of preparing the same. 2,443,318, June 15.
- Lee, Richard K., assignor to The McKay Company, York, Pa. Welding rod. 2,436,867, Mar. 2.
- Lee, Reuben, Catonsville, and C. K. Hooper, Shipley Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier system. 2,439,938, Apr. 20.
- Lee, Reuben, Linthicum Heights, and P. A. Duffy, Jr., Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse shaping control system. 2,456,960, Dec. 21.
- Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sawtooth wave generator. 2,456,961, Dec. 21.
- Lee, Reuben, Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating apparatus with work conveyor. 2,456,962, Dec. 21.
- Lee, Robert E., Bellflower, assignor to J. Thomas, Norwalk, Calif. Portable pneumatic drill supporting and handling rig. 2,453,995, Nov. 16.
- Lee, Robert J.: *See*—
Wadsworth, Francis T., Lee, and Brandt.
- Lee, Roger K., assignor to Kenlee Corporation, Detroit, Mich. Mounting element for machines or the like. 2,438,757, Mar. 30.
- Lee-Rowan Company, assignee: *See*—
Fouke, George W.
- Lee, Royal, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Food product and producing same. 2,437,104, Mar. 2.
- Lee, Royal, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Sugar-bearing product and making. 2,453,142, Nov. 9.
- Lee Rubber & Tire Corporation, assignee: *See*—
Love, Fred W., and McCormick.
- Lee, Russell: *See*—
Simpson, Thomas P., Lee, and Ray.
- Lee, Theodore, Bejou, Minn. Axe sharpening device. 2,455,014, Nov. 30.
- Lee, Walter E., Chicago, Ill. Tent structure. 2,454,464, Nov. 23.
- Lee, William F., assignor to W. O. Junker, Spartanburg, S. C. Bottom roll clearer for textile machines. 2,446,839, Aug. 10.
- Leece-Neville Company, The, assignee: *See*—
Allen, Edward J.
- Leech, Harold C., and T. A. Henshaw, Elland, England. Portable fire extinguisher. 2,452,309, Oct. 26.
- Leech, Wilson S., Chappaqua, N. Y. Display device. 2,450,759, Oct. 5.
- Leeds and Northrup Company, assignee: *See*—
Dike, Paul H., and Doyle.
- Enns, John H.
- Larson, Siegfried W.
- Perley, George A.
- Phillips, William E., and Wunsch.
- Leeds, Winthrop M., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,452,476, Oct. 26.
- Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,445,529, July 20.
- Leeds, Winthrop M., Wilksburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,452,477, Oct. 26.
- Leeds, Winthrop M., Wilksburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,442,010, May 25.
- Leeds, Winthrop M., Forest Hills, and R. E. Friedrich, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,445,442, July 20.
- Leeds, Winthrop M., Wilksburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,447,949, Aug. 24.
- Leeds, Winthrop M., Forest Hills, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,447,950, Aug. 24.
- Leef, John H., Minneapolis, Minn. Clothes-washing machine. 2,434,570, Jan. 13.
- Leekley, Robert M., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Simultaneous dimerization and reduction. 2,439,308, Apr. 6.
- Leeman, Frederick G., assignor to Argus, Incorporated, Ann Arbor, Mich. Lens polishing. 2,450,433, Oct. 5.
- Leeper, Sam P., Mineola, Tex. Portable gun sight reticule producing apparatus. 2,455,372, Dec. 7.
- Lees, Edgar L., Youngstown, Ohio. Switch assembly. 2,438,640, Mar. 30.
- Lees, Milton H., Jr., assignee: *See*—
Buchet, Conrad R.
- Lees, Milton H., Jr., assignee, et al.: *See*—
Buchet, Conrad R.
- Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Truck bolster spring. 2,456,790, Dec. 21.
- Leeson, Stanley R., Dallas, Tex. Journal bearing sleeve. 2,449,662, Sept. 21.
- Leet, Harold A., and C. W. Sectish, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Apparatus for coating tubes. 2,444,572, July 6.
- Lefebvre, Palma A.: *See*—
Macpherson, Duncan J., Lefebvre, and Escott.
- Le Fevre, Ralph A., Rochester, N. Y. Tobacco pouch. 2,448,376, Aug. 31.
- Laffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,456,715, Dec. 21.
- Leffingwell, Wallace B.: *See*—
Weesner, Carl W., Leffingwell, Babylon, and Schell.
- Leffler, Marlin T., Lake Bluff, and J. E. Rundell, assignors to Abbott Laboratories, North Chicago, Ill. Preparing the oxime of 1-diethyl-amino-4-pentanone. 2,442,854, June 8.
- Lefler, Theodore G., Chicago, Ill. Electric socket construction. 2,454,069, Nov. 16.
- Legarra, Philip, West Los Angeles, Calif. Intermittent siphon dosing device. 2,442,133, May 25.
- Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic isomerization of hydrocarbon vapors in the presence of a metal-halide catalyst. 2,437,394, Mar. 9.
- Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery and purification of cyclopentadiene. 2,439,307, Apr. 6.
- Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,440,751, May 4.
- Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of solvents. 2,442,011, May 25.
- Legge, William H., Winnipeg, Manitoba, Canada. Paddle means for spraying. 2,454,188, Nov. 16.
- Leggett, Guy O., and C. Nathan, Chicago, Ill. Indicator. 2,439,476, Apr. 13.
- Leghorn, George R., San Francisco, Calif. Aerial bomb. 2,440,282, Apr. 27.
- Le Gloahec, Victor C. E., Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y. Milk products and the like containing algin compound. 2,445,750, July 27.
- Le Grand, Jesse S.: *See*—
Richardson, Avery G., Dishal, and Le Grand.
- Le Grand, Pierre E.: *See*—
Manhone, Charles H., Lee, Tarr, and Le Grand.
- Legras, August N.: *See*—
Kalf, Louis C., and Legras.
- Le Greid, Erwin L., Westlake, assignor to Fairchild Engineering Company, Cleveland, Ohio. Making commutators. 2,451,500, Oct. 19.
- Legris, Joseph A., Toronto, Ontario, Canada. Photographic exposure meter. 2,436,966, Mar. 2.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for applying plastic materials to bands. 2,445,677, July 20.

- Leguillon, Charles W., Akron, G. L. Matthias, Silver Lake, and E. Herzog, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for molding articles from plastic material. 2,442,607, June 1.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Heating Corporation. Automatic panel circuit for air reheat control. 2,451,566, 2,451,566, Oct. 19.
- Lehde, Henry, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Earth inductor compass. 2,434,324, Jan. 13.
- Lehde, Henry, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Electrolytic concentration indicator. 2,446,015, July 27.
- Lehde, Henry, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Ship's log indicator. 2,447,349, Aug. 17.
- Lehde, Henry, and W. T. Lang, assignors to Control Instrument Company, Inc., Brooklyn, N. Y. Device for measuring rate of fluid flow. 2,434,043, Jan. 27.
- Lehigh Portland Cement Company, assignee: *See*—McCoy, Walter J.
- Lehman, Chester M., St. Louis, Mo. Dispensing container. 2,455,685, Dec. 7.
- Lehman, Eugene W.: *See*—Van Sittert, Paul, Kostrubanic, and Lehman.
- Lehman, Eugene W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,435,146, Jan. 27.
- Lehman, Eugene W., West Cleveland, and E. M. Whalen, assignors to The Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,400,341, Apr. 27.
- Lehman, Laurence N.: *See*—Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sadgebury.
- Lehman, Wendell M., Davenport, Iowa, and W. C. Rachels, Rock Island, Ill. Portable projection apparatus. 2,441,159, May 11.
- Lehmman, Gerard J.: *See*—Chevigny, Paul G., and Lehmann.
- Lehmann, Gerard J., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electric carrier wave system. 2,441,969, May 25.
- Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Cavity resonator electric wave generator. 2,445,784, July 27.
- Lehmann, Gerard J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Turbogenerator. 2,452,581, Nov. 2.
- Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Interference reducing radio receiver. 2,454,814, Nov. 30.
- Lehmann, Herbert G., Bridgeport, Conn. Bracket mounting. 2,440,409, Apr. 27.
- Lehmann, Werner, Fresno, Calif. Spray mask. 2,435,721, Feb. 10.
- Lenn, John U.: *See*—Koch, Harold B., and Lehn.
- Lehnhard, Philip J., Jr., Midland, Tex., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for treating wells. 2,454,740, Nov. 23.
- Lehon Company, The, assignee: *See*—Cuno, Charles W.
- Lehr, Norman F.: *See*—Brown, Morris E., and Lehr.
- Lehrman, Harry, Brooklyn, N. Y. Pallet. 2,450,432, Oct. 5.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Ride control truck. 2,444,011, June 22.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,449,305, Sept. 14.
- Leibing, William E.: *See*—Wirth, Emil O., and Leibing.
- Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Engine attachment. 2,443,465, June 15.
- Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Carburetor. 2,457,570, Dec. 28.
- Leibing, William E., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Fuel pump. 2,457,571, Dec. 28.
- Leibing, William E., Santa Barbara, Calif. Governor. 2,450,199, Sept. 28.
- Leibing, William E., and R. D. Fageol, assignors, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Carburetor. 2,443,464, June 15.
- Leicy, Walter K., assignor to The Burch Corporation, Crestline, Ohio. Mower attachment for tractors. 2,457,693, Dec. 28.
- Leigh, Robert L.: *See*—Babcock, Kenneth L., and Leigh.
- Leight, Charles, Los Angeles, Calif. Ear plug. 2,446,707, Aug. 10.
- Leighton, Herndon W.: *See*—Koch, Stanley J., and Leighton.
- Leighton, John W., Port Huron, Mich. Kingpin assembly. 2,449,306, Sept. 14.
- Leinberger, Merton C.: *See*—Burrus, Paul B., and Leinberger.
- Leiner, Henry G., assignor of one-half to V. A. Leiner, Racine, Wis. Variable pitch propeller. 2,435,360, Feb. 3.
- Leiner, Virginia A., assignee: *See*—Leiner, Henry G.
- Leinheiser, William J., Washington, D. C. Tray for parallel arm drafting machines. 2,436,045, Feb. 17.
- Leiserson, Lee, Chapel Hill, N. C., assignor to Virginia Smelting Company, West Norfolk, Va. Agents for reducing the surface tensions of liquids. 2,453,022, Nov. 2.
- Leiske, Roy R., Milwaukee, Wis. Drier for granular plastic. 2,452,249, Oct. 26.
- Leister, Nora M., executrix: *See*—Leister, William P.
- Leister, William P., deceased, Gastonia, N. C.; N. M. Leister, executrix. Fiber treating apparatus. 2,446,840, Aug. 10.
- Leitch, Donald M., Los Angeles, Calif., assignor to North American Aviation, Inc. Tail wheel mechanism. 2,454,658, Nov. 23.
- Leitch, James L., Bel Air, Md. Ortho-tolidine tablet composition. 2,436,814, Mar. 2.
- Leithmann, Warren J., Jr., Roxborough, and A. O. Hurxthal, Wyncote, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Conveyor. 2,446,936, Aug. 10.
- Leitner, Richard G., and W. K. Rieber, West Los Angeles, Calif., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Phonographic apparatus. 2,452,133, Oct. 26.
- Leitzel, Raymond H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve. 2,456,965, Dec. 21.
- Le Jeune, Frank H., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Wheel. 2,440,862, May 4.
- Lejeune, Léon S. M., Paris, France; vested in the Attorney General of the United States. Tennis ball. 2,453,143, Nov. 9.
- Lektron Corporation, The, assignee: *See*—Cohen, Henry B.
- Leland, Hollis L., Cranford, N. J., assignor to Standard Oil Development Company. Lubricant and hydraulic fluid composition. 2,433,446, Mar. 23.
- Leland, Robert W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Remote-controlled electric motor system. 2,442,654, June 1.
- Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*—Hansen, William W., and Varian.
- Varian, Russell H., Hansen, and Woodyard.
- Lelek, Thaddeus A.: *See*—Strunk, Kenith G., and Lelek.
- Lelyveld, Louis, Weymouth, Mass. Shoe fitting and foot-rest accessories for shoe stores. 2,446,601, Aug. 10.
- Leman, Hugh S.: *See*—Grace, Bertram B., Ellison, Leman, Leng, and Bridge.
- Le May, Braudice B., Jr., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission and control therefor. 2,449,608, Sept. 21.
- Lembeck, Benjamin, Laurelton, N. Y. Glove. 2,435,890, Feb. 10.
- Le Mense, Elmer H., and James M. Van Lanen, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparing starch hydrolyzing enzyme with aspergillus. 2,451,567, Oct. 19.
- Lemerond, Joseph L., Green Bay, Wis. Position holder for flashlights. 2,451,228, Oct. 12.
- Leming, Dell, Madison, Ind. Chronograph screen changer. 2,442,365, June 1.
- Lemire, Joseph, assignor of fifty per cent to N. Boisvert, Drummondville, Quebec, Canada. Electric timing motor. 2,448,812, Sept. 7.
- Lemke, George J., Rugby, N. Dak. Cabinet having pivotally mounted bins. 2,457,248, Dec. 28.
- Lemke, Lawrence H., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Log barking drum. 2,451,229, Oct. 12.
- Lemmens, Hendricus J., J. L. H. Jonker, and O. L. van Steenis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Exhaust tube arrangement in flat disc press electron discharge devices. 2,442,603, June 1.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Multiple discharge lamp circuit. 2,438,564, Mar. 30.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,445,678, July 20.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Modular electric discharge lamp. 2,445,679, July 20.
- Lemmon, Norman E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparing oil-soluble sulfonates. 2,448,184, Aug. 31.
- Lemmon, Norman E., and F. W. Schuessler, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Emulsifiable soluble oil compositions. 2,436,046, Feb. 17.
- Lemon, Cecil G., assignor to Tenaplas Limited, London, England. Electrical conductor. 2,451,839, Oct. 19.
- Lemonier, Camille R., East Aurora, and Samuel T. Payne, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Cargo airplane. 2,434,464, Jan. 13.

- Lempert, Irving E.: *See*—
Pohle, Eric, Rutledge, and Lempert.
- Le Munyon, G. Loren, assignee: *See*—
Trefry, Edgar C.
- Lenbom, Clinton, Chetek, Wis. Apparatus for playing baseball games. 2,444,516, July 6.
- Lendo, Benjamin C., and F. Pizmoht, assignors to Designers for Industry Inc., Cleveland, Ohio. Work holder. 2,443,582, June 15.
- Lenehan, Bernard E.: *See*—
Young, Douglass A., Lunas, and Lenehan.
- Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gauge system for measuring small variations in dimensions. 2,443,661, June 22.
- Lenehan, Bernard E., Bloomfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relaying system. 2,449,490, Sept. 14.
- Leng, Charles W.: *See*—
Grace, Bertram B., Ellison, Leman, Leng, and Bridge.
- Lennox, Frank W.: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.
- Leno, John A., and N. Woodhouse, London, W. C. 2, England, assignors to International Standard Electric Corporation, New York, N. Y. Joint for electric power cables. 2,442,366, June 1.
- Lenox, Frank J., Weehawken, N. J. Spool. 2,434,363, Jan. 13.
- Lenke, Louis G., Los Angeles, Calif., now, by change of name, Gene Shilly. Shoulder pad. 2,438,930, Apr. 6.
- Lenski, Stanley S., La Salle, Ill. Unit-type flush box and toilet construction. 2,455,128, Nov. 30.
- Lensky, George A., W. Tribune, and E. W. Yates, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled machine tool. 2,443,793, June 22.
- Lentjes, Gerhard, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit interrupter. 2,454,189, Nov. 16.
- Leo, Herbert S., and B. B. Breslow, assignors to Utility Appliance Corp., Los Angeles, Calif. Pipe fitting. 2,454,465, Nov. 23.
- Leo, Paul, New York, assignor of ten one-hundredths to J. M. Leach, Port Washington, N. Y. Cutting tool. 2,443,257, June 15.
- Leonard, Bryan, Pembroke, Mass. Method of and apparatus for scouring wool. 2,442,012, May 25.
- Leonard, Charles A., Cincinnati, Ohio. Miles-per-gallon meter. 2,454,393, Nov. 23.
- Leonard, Charles A., Cincinnati, Ohio. Electrically controlled governor. 2,454,659, Nov. 23.
- Leonard, Everett P., Forth Worth, Tex. Nut-shelling machine. 2,454,660, Nov. 23.
- Leonard, John E.: *See*—
Bearse, Arthur E., and Leonard.
- Leonard, John T., Evanston, Ill. Lubricating apparatus. 2,440,410, Apr. 27.
- Leonard, John T., Evanston, Ill. Double-acting pump. 2,440,411, Apr. 27.
- Leonard, Joseph B., Detroit, Mich. Washing machine. 2,457,572, Dec. 28.
- Leonard, Lloyd H., New York, N. Y. Axial flow helicopter. 2,444,781, July 6.
- Leonard, Lloyd H., Long Island City, N. Y. Aircraft landing gear. 2,446,480, Aug. 3.
- Leonard, Robert W.: *See*—
Watson, Norman A., Veneklasen, Leonard, and Gales.
- Leonard, Simpson C., assignee: *See*—
Clayton-Wright, Howard.
- Leonard, Ward Electric Company, assignee: *See*—
Steinitz, Stephen.
- Leone, Joseph C., Roxbury, Mass. Lathe dog. 2,455,071, Nov. 30.
- Le Page, Wynn L.: *See*—
Platt, Haviland H., and Le Page.
- Lépine, Raphaël, Hawkesbury, Ontario, Canada. Hygienic toothpick dispenser. 2,434,806, Jan. 20.
- L'Éplattenier, Jean, La Chaux de Fonds, Switzerland. Watch timing apparatus. 2,445,916, July 27.
- Lepperhoff, John H., New York, N. Y. Apparatus for coating the threaded portion of bushings and nuts. 2,455,129, Nov. 30.
- Leppla, Rudolph, assignor to McConway & Torley Corporation, Pittsburgh, Pa. Spring plank. 2,437,033, Mar. 2.
- Lepsoe, Robert, and E. L. Jones, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Filter. 2,450,865, Oct. 5.
- Lerche, Myron H., Mobile, Ala. Fuel gauge. 2,447,189, Aug. 17.
- Lermont, Basil, assignor, by mesne assignments, to Sutton Patents, Inc., New York, N. Y. Gripping means for hydraulic ram type of metal shaping presses. 2,441,707, May 18.
- Lerner, Harry E., assignee, et al.: *See*—
Dewey, Clarence L.
- Lerner, Louis L., assignor to Consolidated Royal Chemical Corporation, Chicago, Ill. Condensation products of cholesteryl esters with polyethylene glycol and producing same. 2,437,261, Mar. 9.
- Lerner, William H., Lorain, Ohio, assignor, by mesne assignments, to Specialties Development Corporation, Belleville, N. J. Dip tank for thermoplastic material. 2,454,286, Nov. 23.
- Le Roi Company, assignee: *See*—
Eells, Paul W.
Feucht, Albert.
Roth, Robert D.
- Le Roi, Earl J., Baton Rouge, La., assignor to Standard Oil Development Company. Regeneration of fluid catalysts with cooling of the flue gases by water injection. 2,454,466, Nov. 23.
- Le Roux, Bernard L. J. F., Paris, France. Sound warning device. 2,439,477, Apr. 13.
- Lerstrup, Karl, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Protective system for current converters utilizing differentially connected saturable reactors. 2,434,214, Jan. 6.
- Le Sage, Grover N., Kansas City, Mo. Dough pressing and feeding apparatus. 2,438,811, Mar. 30.
- Lesavoy, Ely: *See*—
Artzt, William W., and Lesavoy.
- Lesavoy, I. Lawrence, Allentown, Pa. System of forming sheet material. 2,439,939, Apr. 20.
- Lesavoy, I. Lawrence, Allentown, Pa. System for finishing plastic sheets. 2,448,316, Aug. 31.
- Lesavoy, Isadore L., Allentown, Pa. Closure device and method of making same. 2,436,312, Feb. 17.
- Lesavoy, Isadore L., Allentown, Pa. Shoe tree. 2,436,313, Feb. 17.
- Lesavoy, Isadore L., Allentown, Pa. Garment hanger. 2,436,314, Feb. 17.
- Lesavoy, Isadore L., Allentown, Pa. Sheet construction. 2,444,166, June 29.
- Leschen, A., & Sons Rope Company, assignee: *See*—
Mitchell, Irvin R.
- Leschinsky, Francis P., assignor of one-half to E. S. Waldie, Berkeley, Calif. Bulldozer-loader device. 2,451,101, Oct. 12.
- Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Loom picker. 2,435,743, Feb. 10.
- Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Check strap for looms. 2,435,749, Feb. 10.
- Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Making power transmission leather belts. 2,441,970, May 25.
- Leser, Jack M., and N. L. Severign, Milwaukee, Wis. Combination baby carriage and shopping cart. 2,453,631, Nov. 9.
- Leshner, Ervin, Philadelphia, Pa. Cruise control computer. 2,436,391, Feb. 24.
- Leshner, Ervin, Philadelphia, Pa. Plotting board and protractor square. 2,436,392, Feb. 24.
- Leskiewicz, Stanley J., Lynn, Mass. Clamping tool. 2,446,773, Aug. 10.
- Lesko, John S., Bridgeport, Conn. Display rack. 2,439,049, Apr. 6.
- Lesley, Jerry P., assignee: *See*—
Hamilton, Fred A.
- Leslie, Francis, Springfield, N. J. Making a purifying agent from steer bones. 2,444,571, July 6.
- Leslie, Freeland H.: *See*—
Hornkohl, Carl J., and Leslie.
- Leslie, John H.: *See*—
Heymann, Seymour R., Leslie, and Marshall.
- Leslie, John H., II.: *See*—
Marshall, William A., Jr., and Leslie.
- Leslie, John H., II., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Control valve. 2,446,051, July 27.
- Leslie, John H., II., Winnetka, and G. A. Crosby, Park Ridge, assignors to Stewart-Warner Corporation, Chicago, Ill. Engine operated hot-air heater with engine demounting means. 2,451,623, Oct. 19.
- Leslie, Myrl M., Detroit, Mich. Pin pickup and holder. 2,455,506, Dec. 7.
- Lesniak, Frank G.: *See*—
Bowen, Rees T., Head, and Lesniak.
- Lesniak, Frank G., assignor to Masonite Corporation, Laurel, Miss. Thickener. 2,450,006, Sept. 28.
- Lesparre, Jean N., assignor to Armour and Company, Chicago, Ill. Coated meat product and process. 2,440,517, Apr. 27.
- Less, Joseph W., Clinton, Iowa. Collar attachment. 2,442,655, June 1.
- Less, Joseph W., Clinton, Iowa. Nursing nipple for bottles. 2,442,656, June 1.
- Lessin, Maurice E., Bronx, N. Y. Knife rack. 2,446,016, July 27.
- Lester, Andrew: *See*—
Lester, Dorothy and A.
- Lester, Charles T.: *See*—
Scalera, Mario, Lester, and Hardy.
- Lester, Dorothy and A., Hobe Sound, Fla. Head cover. 2,445,487, July 20.
- Lester Engineering Company, assignee: *See*—
Lester, Nathan.
Lester, Nathan, and Schwartz.
- Lester, Horace H., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Method and apparatus for producing articles from powdered materials. 2,435,227, Feb. 3.
- Lester, John M., Rockville Centre, N. Y., assignor to The Sperry Corporation. Time base sweep and intensifier pulse generator. 2,455,373, Dec. 7.

- Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Process and apparatus for extruding plastic materials. 2,435,282, Feb. 3.
- Lester, Nathan, Shaker Heights, and W. H. Schwartz, assignors to Lester Engineering Company, Cleveland, Ohio. Extrusion machine for plastic material. 2,454,661, Nov. 23.
- Lester, Nathan, Shaker Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Injection molding machine spreader. 2,436,869, Mar. 2.
- Lester, William M., Mountainside, N. J. Molding machine. 2,454,561, Nov. 23.
- Les Usines De Melle (Societe Anonyme), assignee: *See*—
Aihéritière, Louis.
Boinot, Firmin, and Boige.
Guinot, Henri M.
Guinot, Henri M., and Chassaing.
Guinot, Henri M., and Courtier.
Guinot, Henry M., and Gardais.
Vergnaud, Paul, and Pigot.
- Letch, Gerald C., Fort Sam Houston, Tex. Patient transfer carriage. 2,450,971, Oct. 12.
- Le Tournéau, R. G., Inc., assignee: *See*—
Hyler, John H.
Le Tournéau, Robert G.
Le Tournéau, Robert G., Graham and Huth.
Losch, Albert A.
- Le Tournéau, Robert G., Longview, Tex., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Pull cable control. 2,445,228, July 13.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Power scoop. 2,439,139, Apr. 6.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Power-actuated crane. 2,444,835, July 6.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Operating mechanism for lathes. 2,450,972, Oct. 12.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Adjustable push grader mount. 2,452,774, Nov. 2.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau, Inc., Stockton, Calif. Multiple-disk friction coupler. 2,453,237, Nov. 9.
- Le Tournéau, Robert G., Peoria, Ill., assignor to R. G. Le Tournéau Inc., Stockton, Calif. Two-wheel tractor. 2,454,070, Nov. 16.
- Le Tournéau, Robert G., Peoria, Ill., C. Graham and H. G. Huth, Tacoca, Ga., assignors to R. G. Le Tournéau, Inc., Stockton, Calif. Headstock and centering rest assembly. 2,435,451, Feb. 3.
- Letterman, Louis, Winthrop, Mass. Reducing flange. 2,446,481, Aug. 3.
- Letvin, Abe, assignor of one-half to H. Moore, Detroit, Mich. Service coupling. 2,457,478, Dec. 28.
- Letvin, Samuel, Philadelphia, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,663, Jan. 20.
- Leuck, Gerald J., Brooklyn, assignor to Corn Products Refining Company, New York, N. Y. Polymerization of sugars. 2,436,967, Mar. 2.
- Leuthy, Henry R., University Heights, Ohio. Child's garment. 2,440,721, May 4.
- Lev, Benjamin, Chicago, Ill. Uniform cap. 2,450,284, Sept. 28.
- Le Van, James D., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge tube. 2,452,062, Oct. 26.
- Leveira, Robert M., San Francisco, Calif. Rotatable stand for supporting cable-thimble vise vertically or horizontally. 2,448,535, Sept. 7.
- Levenson, Bennett H., assignee, et al.: *See*—
McGillcuddy, Addeline J.
- Levenson, Harold S.: *See*—
Elder, Lucius W., and Levenson.
- Levenson, Solomon, Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Socket for gaseous discharge lamps. 2,457,780, Dec. 28.
- Leventhal, Jacob F., New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Motion-picture apparatus of the optical compensating type. 2,440,776, May 4.
- Leventhal, Jacob F., New York, N. Y., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Optical compensator. Re. 22,960, Jan. 6.
- Leventhal Patents, Inc., assignee: *See*—
Leventhal, Jacob F.
- Leveque, Bernard T., Wenham, assignor to United Shoe Machinery Corporation, Boston, Mass. Sewing machine. 2,440,722, May 4.
- Lever Brothers Company, assignee: *See*—
Gudheim, Arne.
Henderson, Lloyd F., and Maxwell.
Libby, Louis H., and Henderson.
Paterson, William J.
- Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Dark trace screen. 2,451,292, Oct. 12.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent screen and developing light. 2,452,522, Oct. 26.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent screen. 2,452,523, Oct. 26.
- Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent materials for electric discharge devices. 2,457,054, Dec. 21.
- Leversee, Gordon J., Dryden, N. Y. Auxiliary girth for women. 2,445,144, July 13.
- Le Vesconte, Harold J., Glendale, Calif., assignor to Union Special Machine Company, Chicago, Ill. Intermittent feed high-frequency electrical apparatus for uniting dielectric materials. 2,434,325, Jan. 13.
- Le Vesconte, Harold J., Glendale, Calif., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,444,657, July 6.
- Levesque, Arthur H., North Attleboro, assignor, by mesne assignments, to R. F. Simmons Company, Attleboro, Mass. Clamping means for ear ornaments and other articles of jewelry. 2,447,350, Aug. 17.
- Levesque du Rostu, Georges, assignor to Société Anonyme Andre Citroen, Paris, France. Trailer coupling. 2,441,024, May 4.
- Levey, Fred'k H., Co., Incorporated, assignee: *See*—
Chiappe, Caesar F., and Kroeger.
- Lev, Harry, Chicago, Ill. Uniform cap. 2,455,686, Dec. 7.
- Leviardi, Andres, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn. Thermionic discharge tube with electronic velocity filter. 2,450,602, Oct. 5.
- Levin, Abraham, assignee: *See*—
Gilowitz, Benjamin.
- Levin, David, Brooklyn, N. Y. Cutting table. 2,452,773, Nov. 2.
- Levin, David B., Brooklyn, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Shoe with sheath form of upper. 2,457,573, Dec. 28.
- Levin, Ezra, Champaign, Ill. Vitamin extraction from sunflower seed. 2,448,185, Aug. 31.
- Levin, Joseph H., Brooklyn, N. Y. Joint for air ducts and the like. 2,439,254, Apr. 6.
- Levin, Nathan, Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Soldering Bourdon tubes and the like. 2,453,309, Nov. 30.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric motor armature. 2,446,708, Aug. 10.
- Levin, Samuel B., Jerusalem, Palestine. Apparatus and process for the cultivation of microorganisms. 2,439,572, Apr. 13.
- Levine, Arthur O., Brooklyn, N. Y. Match package. 2,448,990, Sept. 7.
- Levine, David, assignee: *See*—
Sadofsky, Morris.
- Levine, Gabriel Z., West Hartford, assignor to Barridon Oil Burner Corporation, Hartford, Conn. Perforated combustion tube distillate burner. 2,455,424, Dec. 7.
- Levine, Irving E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of dicarboxylic acids or anhydrides thereof. 2,438,369, Mar. 23.
- Levine, Louis, Jersey City, N. J., assignor to Julius Kayser & Co., New York, N. Y. Glove and making the same. 2,434,044, Jan. 6.
- Levine, Max M., Rochester, assignor, by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Copolymerization of polyesters and vinyl compounds. 2,452,669, Nov. 2.
- Levine, Samuel J.: *See*—
Kuzmin, Walter R., and Levine.
- Levingston Shipbuilding Company, assignee: *See*—
Cameron, Jarrett L., and Malloy.
- Levinson, Max E., assignee, et al.: *See*—
Carter, Albert C.
- Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Drying of frozen materials. 2,435,503, Feb. 3.
- Levinson, Sidney O., and F. Oppenheimer, assignors to Michael Reese Research Foundation, Chicago, Ill. Drying of frozen materials by heat radiation. 2,445,120, July 13.
- Levinson, Sidney O., and F. Oppenheimer, assignors to Michael Reese Research Foundation, Chicago, Ill. Sterilizing liquids. 2,452,201, Oct. 26.
- Levitin, Benjamin, Roselle, N. J. Garment hanger. 2,455,258, Nov. 30.
- Leviton, Abraham, Washington, D. C., dedicated to the free use of the People in the territory of the United States. Ice-cream mix. 2,433,850, Jan. 6.
- Leviton, Bernard, assignee, et al.: *See*—
Sallsbury, Leonard B.
- Levitt, David M.: *See*—
Walsh, James F., Levitt, and Goodman.
- Levitt, Percy B.: *See*—
Morgan, John D., and Levitt.
- Levitt, Percy B., Millburn, and J. D. Morgan, South Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Electric heater thermostatic switch control. 2,437,262, Mar. 9.
- Levoy, Louis G., Jr., Schenectady, assignor to General Electric Company. Condenser charge and discharge system. 2,442,609, June 1.
- Levy, Albert: *See*—
Bogin, Samuel R., Rothstein, and Levy.

- Levy, Charles, Paterson, N. J. Synthetic vanilla flavor. 2,448,896, Sept. 7.
- Levy, Cyril C.: *See*—
Steed, Paul B., and Levy.
- Levy, Helen A., executrix: *See*—
Steed, Paul B., and Levy.
- Levy, Maurice M.: *See*—
Jacobsen, Bent B., and Levy.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve circuits. 2,434,939, Jan. 27.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Balancing of electrical bridge circuits containing nonlinear elements. 2,440,283, Apr. 27.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve circuits. 2,440,284, Apr. 27.
- Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Generating rectangular electrical impulses. 2,445,785, July 27.
- Levy, Maurice M., assignor to Standard Telephone and Cables Limited, London, England. Multichannel pulse communication system employing complex multivibrator modulators. 2,454,815, Nov. 30.
- Levy, Maurice M., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Potentiometer. 2,454,816, Nov. 30.
- Levy, Norman, C. W. Scaife, and D. S. T. Bryson, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of nitroparaffins. 2,455,425, Dec. 7.
- Levy, Paul, New York, N. Y. Playing piece. 2,444,517, July 6.
- Levy, Sylvan N. and W. B., Wilmington, Del. Hearth tile. 2,450,836, Oct. 5.
- Levy, William B.: *See*—
Levy, Sylvan N. and W. B.
- Lewandowski, Marian, assignor to Inz. M. Lewandowski i B-cia Kasinowscy Spolka z ograniczona odpowiedzialnoscia, Warsaw, Poland. Impulse transmitting apparatus. 2,451,840, Oct. 19.
- Lewenstein, Moses J., New York, N. Y. Auro-thio-glycolic acid-anilide and making the same. 2,451,841, Oct. 19.
- Lewetsky, Otto, Ferndale, Mich. Cigarette extinguisher. 2,445,274, July 13.
- Lewinter, Sidney W., assignor to Philco Corporation, Philadelphia, Pa. Phase modulation system. 2,456,716, Dec. 21.
- Lewis, Alfred H., Huntington Woods, assignor to Swift Electric Welder Company, Detroit, Mich. Flash trimming machine. 2,456,432, Dec. 14.
- Lewis, Allen H., Berkeley, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Insecticide. 2,438,370, Mar. 23.
- Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Multiple spindle chucking machine. 2,438,508, Mar. 30.
- Lewis, Arthur T., Toronto, Ontario, Canada. Apparatus for handling rolls of flexible sheet material. 2,449,945, Sept. 21.
- Lewis, Bernard G., Redditch, England. Knitting pin. 2,443,540, June 15.
- Lewis, Charles E.: *See*—
Long, Robert S., and Lewis.
- Lewis, Clay E.: *See*—
Gambrell, Richard D., and Lewis.
- Lewis, Clay E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulation testing apparatus. 2,439,940, Apr. 20.
- Lewis, Clay E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulation testing apparatus. 2,440,480, Apr. 27.
- Lewis, David G., Sunnyvale, Calif. Folding camera support. 2,453,442, Nov. 9.
- Lewis, Earle B., Southington, Conn. Blackening copper alloys. 2,457,480, Dec. 28.
- Lewis Engineering Company, The, assignee: *See*—
Knudsen, Knud J.
- Lewis Equipment and Supply Company, assignee: *See*—
Ostler, Virgil F.
- Lewis, Frank M., Weston, Mass., assignor to Lima-Hamilton Corporation, New York, N. Y. Piston safety stop and reversing means for free piston engines. 2,434,277, Jan. 13.
- Lewis, Frank M., Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Free piston engine pressure control means. 2,435,970, Feb. 17.
- Lewis, Frank M., Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Fuel injection means for free piston engines. 2,447,513, Aug. 24.
- Lewis, Frank M., Weston, Mass., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Fuel injector control mechanism for free piston engines. 2,450,898, Oct. 12.
- Lewis, Fred G., Charleston, W. Va. Awning. 2,457,574, Dec. 28.
- Lewis, Frederick D., Jr., Miami, Fla. Cigarette lighter. 2,457,053, Dec. 21.
- Lewis, Frederick G., and C. P. Stephen, Stockton, Calif. Endless track type row crop tractor. 2,440,518, Apr. 27.
- Lewis, Harry F., and I. A. Pearl, assignors, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Vanillyl alcohol-formaldehyde resins. 2,445,292, July 13.
- Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for navigating aircraft. 2,439,663, Apr. 13.
- Lewis, Herbert T., Jr.: *See*—
Wilson, Jack P., Lewis, and Glassford.
- Lewis Invisible Stitch Machine Company, assignee: *See*—
Mueller, Charles W.
- Lewis, James C.: *See*—
Fraenkel-Conrat, Heinz L., Humfeld, Lewis, Dimick, and Olcott.
- Olcott, Harold S., and Lewis.
- Lewis, James F., Jr., Maumee, assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug display holder. 2,442,980, June 8.
- Lewis, John R., D. McCreath, and R. J. W. Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of elastic nylon articles. 2,434,247, Jan. 13.
- Lewis, Joseph H., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Bending of glass by pressing on heated molds. 2,442,242, May 25.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,437,326, Mar. 9.
- Lewis, Marvin W., Cleveland Heights, Ohio. Pull-out device. 2,444,518, July 6.
- Lewis, Norman M., Olton, Tex. Wave pump. 2,436,517, Feb. 24.
- Lewis, Richard C., Chicago, Ill. Clothesline stretching device. 2,436,477, Feb. 24.
- Lewis, Roy V.: *See*—
Arnold, David C., Strand, and Lewis.
- Lewis-Shepard Company, assignee: *See*—
Hastings, Russell, Jr.
- Lewis, Thomas M., Colne, E. G. Rounce, Airtown, Skipton, and C. G. H. F. Dunham, Ashbridge Park, Berkhamstead, England. Mechanized restaurant. 2,435,044, Jan. 27.
- Lewis, Thomas X., Rugby, England, assignor to General Electric Company. Power system. 2,448,813, Sept. 7.
- Lewis, Warren K., Cambridge, Mass., assignor to Standard Oil Development Company. Preventing erosion in fluidized catalytic cracking of hydrocarbons. 2,440,591, Apr. 27.
- Lewis, William H., Altadena, Calif. Packing roller. 2,436,757, Feb. 24.
- Lewis, William M., Brownfield, Tex. Christmas tree stand. 2,454,877, Nov. 11.
- Lewit, Joseph, Washington, D. C. Universal reduction gear transmission. 2,457,385, Dec. 28.
- Lewk, Ida B., Tulsa, Okla. Sun bath device. 2,445,622, July 20.
- Leydorf, George F., Cincinnati, Ohio, assignor, by mesne assignments, to Aveco Manufacturing Corporation. Indicator system for towed gliders. 2,449,532, Sept. 14.
- Leyshon, William E.: *See*—
Lowry, Erwin F., Peacock, and Leyshon.
- L'Hermite, Robert, assignor to Fondation dite: Grouperment Francais Pour Le Developpement des Recherches Aeronautiques, Clermont-Ferrand, France. Machine for testing materials constrained to alternate flexure. 2,453,023, Nov. 2.
- Libbey-Owens-Ford Glass Company: *See*—
Colbert, William H., and Weinrich.
- Fowler, Ival G., and Dunipace.
- Morgan, Willard L.
- Paddock, Ormond H., and Pearse.
- Philbin, William A.
- Simons, John K.
- Strong, John D.
- Walter, Henry A.
- Weaver, Weldome I.
- Zentis, William A.
- Libbey-Owens-Ford Glass Company, assignee: *See*—
Bamford, William P., and Hemley.
- Brown, Wilbur F.
- Cordier, David E.
- Dieter, Walter G.
- Gaiser, Romey A., and Mattimoe.
- Jones, John L.
- Moore, Harold K.
- Morgan, Willard L., and Weinrich.
- Pearse, John P., and Bamford.
- Ryan, Joseph D., and Shaw, Jr.
- Verhoek, Frank H., and Morgan.
- Libby, A. D. T., assignee: *See*—
Caruso, Rocco P.
- Libby, James W., Jr.: *See*—
Spraks, Chiles E., Libby, and Trepagnier.
- Libby, Lester L., East Orange, N. J., and F. C. Wallace, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder collector unit. 2,445,786, July 27.
- Libby, Lester L., East Orange, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Simulating impedance system. 2,448,036, Aug. 31.

- Libby, Lester L., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Mixer circuit arrangement. 2,454,817, Nov. 30.
- Libby, Louis H., Boston, and L. F. Henderson, Reading, assignors to Lever Brothers Company, Cambridge, Mass. Rendering oleaginous tissue material. 2,455,374, Dec. 7.
- Libby, McNeill & Libby, assignee: *See*—
Childs, David, Braun, and Hanson.
- Libby, Raymond L., Poundridge, assignor to American Cyanamid Company, New York, N. Y. Therapeutic composition. 2,449,039, Sept. 7.
- Libby, Stewart N., Chicago, Ill. Multiple thermochemical cutting attachment. 2,439,629, Apr. 13.
- Liben, Jay, New York, N. Y. Dispenser for stacked articles. 2,456,068, Dec. 14.
- Liben, William, New York, N. Y. Spectral reflectometer. 2,451,501, Oct. 19.
- Liber, Harry, Morristown, and D. R. Beeman, Wharton, N. J. Detonator disk. 2,452,063, Oct. 26.
- Liberatore, Gustavo D., New York, N. Y. Door mat with scraper and removable brush. 2,436,315, Feb. 17.
- Liberatore, Laurence C.: *See*—
Herrick, Clifford E., Jr., and Liberatore.
- Libert, Norris R., assignor to Stapling Engineers, Inc., Chicago, Ill. Stapling hammer. 2,441,120, May 4.
- Liberthson, Leo, New York, N. Y., and J. Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,826, Nov. 30.
- Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Cuprammoniacal petroleum mahogany sulfonates. 2,455,687, Dec. 7.
- Liberty, George W., South Lynfield, assignor to National Development Company, Lynn, Mass. Inking and edge setting machine. 2,437,431, Mar. 9.
- Liberty, Joseph B., Royal Oak, Mich. Air-locked window. 2,446,375, Aug. 3.
- Libertyville Textiles, Inc., assignee: *See*—
Stahl, William F.
Walliser, Robert E.
- Libman, Charles, assignee: *See*—
Gribble, William A.
- Librascope, Incorporated, assignee: *See*—
Imm, Lewis W.
- Libshutz, Harry: *See*—
Libshutz, Irving and H.
- Libshutz, Irving and H., Baltimore, Md. Folding uniform cap stayer. 2,450,148, Sept. 28.
- Licata, Francis J., West Caldwell, assignor to Nopco Chemical Company, Harrison, N. J. Novel greases. 2,448,720, Sept. 7.
- Licata, Francis J., West Caldwell, assignor to Nopco Chemical Company, Harrison, N. J. Aluminum soap greases. 2,448,721, Sept. 7.
- Licht, Anna, New York, N. Y., assignor to The French Look, Inc., Paterson, N. J. Lady's garment. 2,438,062, Mar. 16.
- Lichtenstein, Hans J.: *See*—
Tuerck, Karl H. W., and Lichtenstein.
- Lichtenstein, Johann, Levallois-Perret, and P. X. A. Gistucci, Paris, France, assignors to Societe Generale Des Carburateurs Zenith, Geneva, Switzerland. Induction pressure regulator. 2,434,420, Jan. 13.
- Lichtenwalner, Hart K.: *See*—
Lovell, Wheeler G., Mulligan, and Lichtenwalner.
- Lichtenwalter, Myrl, Old Greenwich, Conn., assignor to Nicaro Nickel Company, New York, N. Y. Separation of copper. 2,440,612, Apr. 27.
- Lichter, Martin H., Honolulu, Hawaii. Calculating device. 2,441,426, May 11.
- Lichty, Joy G.: *See*—
Clifford, Albert M., and Lichty.
- Lichty, Joy G., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Production of N-isopropylmethacrylamide. 2,448,991, Sept. 7.
- Lickteig, Albert F.: *See*—
Quigley, Herbert, and Lickteig.
- Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Door lock. 2,447,190, Aug. 17.
- Lidberg, Oscar J., Hibbing, Minn. Gilder sled. 2,450,285, Sept. 28.
- Liddell, James W., Evanstown, and E. F. Shannon, Chicago, Ill., assignors to Continental Oil Company, Ponca City, Okla. Grease dispensing apparatus. 2,436,722, Feb. 24.
- Lidington, Robert W., Rochester, N. Y., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Protective guard for power take-off shafts of tractors. 2,451,440, Oct. 12.
- Lidral, John P., and M. M. Berry, Seattle, Wash., assignors to Boeing Airplane Company. Gun control mechanism. 2,454,071, Nov. 16.
- Liebegott, George H., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Means to prevent shifting of lading in freight carriers. 2,449,491, Sept. 14.
- Liebel, Charles R.: *See*—
Wilson, Philip J., Jr., Wells, and Liebel.
- Lieber, Edward H., Chicago, Ill. Boot drier. 2,446,234, Aug. 3.
- Lieber, Eugene, New York, N. Y., assignor to Standard Oil Development Company. Plasticizers. 2,442,089, May 25.
- Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Pour point depressant. 2,433,851, Jan. 6.
- Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation product and preparation and use thereof. 2,433,852, Jan. 6.
- Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Autocondensation product of an acid amide. 2,435,631, Feb. 10.
- Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricant. 2,442,134, May 25.
- Lieber, Eugene, New York, N. Y., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,454,394, Nov. 23.
- Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Cylinder liner for opposed-piston engines. 2,446,841, Aug. 10.
- Lieberman, Samuel V.: *See*—
Mueller, George P., Stiller, and Lieberman.
- Liebmann, Dora M., and G. Liebmann, Cambridge, England. Calculating instrument. 2,451,842, Oct. 19.
- Liebmann, Gerhard: *See*—
Liebmann, Dora M. and G.
- Liebowitz, Benjamin, Lewisboro, N. Y. Manufacture of composite steel plates. 2,438,759, Mar. 30.
- Liebscher, Arthur, Philadelphia, Pa., assignor to Radio Corporation of America. Voltage indicator. 2,457,575, Dec. 28.
- Lieffers, William R., and R. T. Adams, Denver, Colo. Hospital bed signal. 2,436,518, Feb. 24.
- Lien, Arthur P.: *See*—
Evering, Bernard L., and Lien.
Evering, Bernard L., Lien, and Page.
- Lieff, Morris: *See*—
Elmendorf, Armin, and Lieff.
- Lieser, Theodor, Halle A. D. Saale, Germany, assignor to American Bemberg Corporation, New York, N. Y. Dissolving cellulose in ammoniacal copper compounds. 2,447,514, Aug. 24.
- Liggio, Leo L., Yonkers, N. Y. Tire antiskid device. 2,440,863, May 4.
- Light, Oliver A., East Orange, N. J. Storage rack. 2,455,507, Dec. 7.
- Lightbown, Irving E.: *See*—
Frolich, Per K., and Lightbown.
- Lighter, Stephen, Milwaukee, Wis. Carton. 2,435,283, Feb. 3.
- Lightfoot, Charles L., Jr., Summit, N. J. Filtration apparatus. 2,449,238, Sept. 14.
- Lightolier Company, assignee: *See*—
Moser, Carl.
- Liguori, Anthony: *See*—
Shenk, Eugene R., and Liguori.
- Lilienfeld, Antonie, administratrix: *See*—
Lilienfeld, Leon.
- Lilienfeld, Julius E., St. Thomas, Virgin Islands. Method of and apparatus for plotting an ordered set of quantities. 2,445,787, July 27.
- Lilienfeld, Leon, deceased, Vienna, Germany, by A. Lilienfeld, Winchester, Mass., administratrix, assignor to Lilienfeld Patents Inc., Boston, Mass. Treating cellulose ethers to improve their dissolving properties. 2,447,756, Aug. 24.
- Lilienfeld, Leon, deceased, Vienna, Germany, by A. Lilienfeld, Winchester, Mass., administratrix, assignor to Lilienfeld Patents, Inc., Boston, Mass. Treating cellulose ethers to improve their dissolving properties. 2,447,757, Aug. 24.
- Lilienfeld Patents Inc., assignee: *See*—
Lilienfeld, Leon.
- Lillenthal, James R.: *See*—
Somers, Brock A., McCoy, and Lillenthal.
- Liljegren, Lyle K., Alexandria, Va. Fuse. 2,450,899, Oct. 12.
- Liljegren, Lyle K., Alexandria, Va., and J. W. Moseman, Jr., Bethesda, Md. Grenade mine. 2,453,715, Nov. 16.
- Lilliendahl, William C.: *See*—
Rentschler, Harvey C., Lilliendahl, and Gray.
- Lilliston Implement Company, assignee: *See*—
Robinson, Samuel S., Jr.
- Lillquist, Torsten O., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric traction and control system. 2,449,399, Sept. 14.
- Lilly, Eli, and Company, assignee: *See*—
Behrens, Otto K.
Behrens, Otto K., and Corse.
Behrens, Otto K., and Jones.
Behrens, Otto K., Jones, and Corse.
Behrens, Otto K., and Soper.
Kharasch, Morris S.
Mills, Jack.
Rohrmann, Ewald.
Steldt, Frank A.
Shonle, Horace A., and Van Arendonk.
- Lilly, Eugene, Colorado Springs, Colo. Food product. 2,455,508, Dec. 7.
- Lilly, Vernon S., assignee, et al.: *See*—
Sabee, Reinhardt N., and White.
- Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.

- Lima-Hamilton Corporation, assignee: *See*—
Lewis, Frank M.
Morain, Willard A.
Mueller, George A., Jr., and Shirley.
Schurr, Otto E.
Spler, Hans G.
- Liman, Kerupe H., Rye, N. Y. Safety device for motorists. 2,449,784, Sept. 21.
- Limbach, John P., and B. H. Paul, Madison, Wis., dedicated to the free use of the people in the territory of the United States. Device for determining slope of grain in wood veneers. 2,436,653, Feb. 24.
- Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quaternary ammonium sulfon halides. 2,433,997, Jan. 6.
- Lincoln, Bert H., and W. L. Steiner, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Sulfurized oils. 2,433,853, Jan. 6.
- Lincoln, Bert H., Ponca City, Okla., G. D. Byrkit, Niagara Falls, N. Y., and W. L. Steiner, assignors to Continental Oil Company, Ponca City, Okla. Lubricating oils. 2,441,496, May 11.
- Lincoln, Bert H., Ponca City, and G. D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating compositions. 2,448,037, Aug. 31.
- Lincoln Electric Company, The, assignee: *See*—
Grundner, Louis.
Landis, George G., and Hoenie.
Peters, Vladimir.
Stringham, Leonidas K.
- Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Klein, Victor G., and Schneller.
Mueller, Carl H., and Klien.
Rotter, Lutwin C., Fox, and Mueller.
- Lincoln, John H., and L. E. Branchflower, assignors to Laucks Laboratories, Inc., Seattle, Wash. Capsulating apparatus. 2,436,439, Feb. 24.
- Lincoln Park Industries, Inc., assignee: *See*—
Eglinton, George F., and Woodworth.
- Lincoln, Paul A., Bloomsbury, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pressure fluid controlling device. 2,437,856, Mar. 16.
- Lincoln, Roland L., Dover, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Spin vane control for fans. 2,441,427, May 11.
- Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Scum removing apparatus. 2,455,338, Nov. 30.
- Lind, Arthur C., and R. E. Klein, assignors to Chain Belt Company, Milwaukee, Wis. Grinding apparatus mounted on an overhanging shaft. 2,440,051, Apr. 20.
- Lindae, Pola, assignee: *See*—
Lindae, William H., and Strachan.
- Lindae, William H., St. Louis, Mo., and B. W. Strachan, New York, N. Y.; said Lindae assignor of one-fourth to E. Lindae and one-fourth to J. P. Pohrer. Antenna disconnecting switch. 2,457,386, Dec. 28.
- Lindahl, Stanley E., assignee, et al.: *See*—
Burke, James D., and Crooks.
- Lindan Electro, Inc., assignee: *See*—
Lindholm, Jorgen P.
- Lindars, Herman: *See*—
Smith, Cecil H., and Lindars.
- Lindbeck, Simon L.: *See*—
Kilgore, Lee A., and Lindbeck.
- Lindbeck, Simon L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor synchronizing schemes. 2,456,966, Dec. 21.
- Lindberg Engineering Company, assignee: *See*—
Koebel, Norbert K.
Lang, Karl A.
- Lindblad, Harald L., assignor to Metallizing Company of America, Chicago, Ill. Method and apparatus for depositing metallic layers. 2,445,177, July 13.
- Linde Air Products Company, assignee: *See*—
Corson, Michael G.
King, Barnwell R.
Shorter, Albert E.
Thayer, Russell M.
Wagner, Robert L.
Zenner, George H.
- Linde Air Products Company, The, assignee: *See*—
Barnes, Malcolm H., and McCandless.
Bucknam, James H.
Burch, Charles J.
Gaines, John M., Jr.
Gillon, Hiram B.
Hansen, Odd A.
Jacobsson, Wilgot J.
Keller, Arthur M.
Kratz, John A.
Lobosco, Roscoe R.
Meincke, Edward.
Meincke, Edward, and Elsman.
Meincke, Edward, and Smith.
Miller, Alfred J., and Thompson.
Miller, Alfred J., and Young.
Rountree, John H.
Shorter, Albert E.
Van Vleet, James G., and Patch.
Williams, Virgil C.
- Linde, Leonard J., Drexel Hill, and N. F. Arone, Upper Darby, and B. E. Spiro, Philadelphia, Pa., assignors to General Electric Company. Electrical apparatus bushing. 2,456,640, Dec. 21.
- Lindemann, A. J., & Hoverson Company, assignee: *See*—
Thomes, Edwin J.
- Lindemuth, Ralph L.: *See*—
Harner, Harold R., Lindemuth, and Jones.
- Linden, John F., Toronto, Ontario, Canada. Eraser tipped pencil. 2,448,103, Aug. 31.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Optical signaling system including means for dispersing and recombining a light beam. 2,443,258, June 15.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Power converter. 2,449,077, Sept. 14.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Commutator apparatus. 2,449,078, Sept. 14.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio-frequency distributor apparatus. 2,452,202, Oct. 26.
- Lindenhovius, Hendrik J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Low direct current voltage regulating circuit. 2,452,381, Oct. 26.
- Linder, Åke, Stockholm, Sweden. Hair clip. 2,444,519, July 6.
- Linder, Antoni, Chicago, Ill. Fishing signaling device. 2,446,427, Aug. 3.
- Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Electron beam discharge device system with resonant electrode. Re. 22,974, Feb. 10.
- Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Super high-frequency attenuator. 2,443,109, June 8.
- Linder, Otto A., and E. J. Klause, Philadelphia, Pa. Ladder foot. 2,449,609, Sept. 21.
- Lindfelt, Edward C., Des Moines, Iowa. Glove. 2,447,951, Aug. 24.
- Lindfelt, Hilma E., Des Moines, Iowa. Mitten. 2,438,611, Mar. 30.
- Lindgren, Frank A., La Grange, assignor to Good Manufacturing Company, Chicago, Ill. Slack or cuttings removing device for kerf-cutting machines. 2,445,957, July 27.
- Lindgren, George O. R.: *See*—
Hufferd, George H., and Lindgren.
- Lindgren, Hans O., Smedslatten, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Method and apparatus for dewaxing oils. 2,439,434, Apr. 13.
- Lindholm, Jorgen P., Stockholm, Sweden, assignor to Lindan Electro, Inc. Driving mechanism for knitting needles. 2,455,375, Dec. 7.
- Linding, Herman M., Ossining, N. Y. Fly catcher. 2,434,364, Jan. 13.
- Lindlar, Herbert, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of an aldehyde. 2,451,740, Oct. 19.
- Lindlar, Herbert, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of aldehydes. 2,451,742, Oct. 19.
- Lindley, Curtis M., Jr., Empire, Calif. Fruit pitting machine wherein the fruit are continuously moved during pitting. 2,443,863, June 22.
- Lindley, Curtis, Jr., Empire, Calif. Fruit cutter and pitter with rotary blades. 2,455,072, Nov. 30.
- Lindley, Lester L., San Francisco, Calif. Rain visor. 2,446,288, Aug. 3.
- Lindman, Emrik I., Ronninge, Sweden. Safety device for air bombs. 2,456,289, Dec. 14.
- Lindner, Frieda M., Union, N. J. Folding camping furniture. 2,448,377, Aug. 31.
- Lindner, Fritz: *See*—
Lautenschlager, Carl L., and Lindner.
- Lindow, Rudolph F.: *See*—
Miller, Arthur E., Viall, and Lindow.
- Lindquist, Arthur W., C. N. Husman, and H. O. Schroeder, Orlando, Fla., assignors to United States of America, as represented by the Secretary of Agriculture. Device for producing aerosols. 2,436,478, Feb. 24.
- Lindquist, Louis T.: *See*—
Fairley, Frank E., Lindquist, Michaels, and Rodgers.
- Lindsay, Duncan D., Scunthorpe, England. Manually operated vapor compression sea water still. 2,456,562, Dec. 14.
- Lindsay, Harold W., Redwood City, Calif., assignor to the United States of America, as represented by the Secretary of War. Breathing indicator. 2,435,181, Jan. 27.
- Lindsay, James G., assignor to F. C. Marchant, San Dimas, Calif. Heater starting and lighting device. 2,452,310, Oct. 26.
- Lindsay, James R., Arlington Heights, Ill., assignor to The Jeffrey Company. Electrical circuit. 2,441,497, May 11.
- Lindsay, James R., Bexley, Ohio, assignor to The Jeffrey Company. Electrical control circuit for indicating movements of position indicators. 2,450,479, Oct. 5.
- Lindsay, Leslie B., Kirkland Lake, Ontario, Canada. Hockey goal. 2,449,708, Sept. 21.

- Lindsay, Maxwell H. A., Summit, assignor to American District Telegraph Company, Jersey City, N. J. Capacity alarm system. 2,455,376, Dec. 7.
- Lindsay, William R.: *See*—
Kelly, Stephen A., Jr., and Lindsay.
- Lindsay, William S., Harriman, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Insulation cutting tool. 2,455,591, Dec. 7.
- Lindsay Wire Weaving Company, The, assignee: *See*—
Crossman, Fred, Southam, and Ruhl.
- Lindsey, Robert J., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Metal stretching press having slidable plates supports provided with clamping faces. 2,437,105, Mar. 2.
- Lindsey, Robert J., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Follow-up servomotor. 2,449,400, Sept. 14.
- Lindsey, Robert J., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Apparatus selectively operable as a press or as a drop hammer. 2,449,401, Sept. 14.
- Lindsey, Richard V., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of alpha, beta-ethylenically unsaturated phosphonic acid derivatives. 2,439,214, Apr. 6.
- Lindsey, William H., and S. Allen, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Liquid-fuel combustion chamber. 2,438,858, Mar. 30.
- Lindsley, Lawrence B., Los Gatos, assignor, by mesne assignments, to Wooldridge Manufacturing Company, Sunnyvale, Calif. Multiple pneumatic clutch. 2,452,775, Nov. 2.
- Lindstrom, Andrew E., Larkspur, Calif. Container dispenser. 2,445,958, July 27.
- Lindstrom, Charles M., Westerly, R. I., assignor to Boston Wire Stitcher Company, Stonington, Conn. Fastener-applying implement. 2,438,712, Mar. 30.
- Lindstrom, Charles M., East Greenwich, assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,445,178, July 13.
- Lindström, Dag V. L.: *See*—
Wallgren, Johan V., and Lindström.
- Lindstrom, Ture: *See*—
Grissinger, George G., Lindstrom and Sandin.
- Lindstrom, Ture, Edgewood, Pa., and A. H. Baylis, Ypsilanti, Mich., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,451,962, Oct. 19.
- Lindvall, Frederick C., Altadena, and P. K. Beemer, Inglewood, Calif., and P. H. Montgomery, Chicago, Ill., assignors to Preco Incorporated, Los Angeles, Calif. Air impeller housing. 2,442,420, June 1.
- Line Material Company, assignee: *See*—
Brown, Chester W.
Earle, Ralph H.
Link, Edwin A.
Kyle, William D., Jr., and Schindler.
Kyle, William D., Jr., and Van Ryan.
Manke, George H.
Nelson, Roland D.
Nelson, Roland D., and Behlmer.
Schultz, William O.
Van Ryan, Anthony.
- Lineberry, Bolling B., and G. E. Branscome, Hampton, Va. Infant's crib. 2,448,317, Aug. 31.
- Lineweaver, Hans: *See*—
Jansen, Eugene F., and Lineweaver.
- Linforth, Paul S., assignee: *See*—
Wells, William S.
- Lingel, Frederick J., assignor to The Triplett Electrical Instrument Co., Bluffton, Ohio. Vibrating reed frequency meter. 2,447,191, Aug. 17.
- Lingel, Frederick J., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Instrument current transformer with part turn winding. 2,450,973, Oct. 12.
- Lingen, Ralph A., and L. E. Cross, assignors of one-fourth to R. S. Lingen and one-fourth to M. E. Cross, Milwaukee, Wis. Averaging controller. 2,440,052, Apr. 20.
- Lingen, Ruth S., assignee, et al.: *See*—
Lingen, Ralph A., and Cross.
- Linhart, Harry M., Piteairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake apparatus. 2,445,680, July 20.
- Link Aviation, Inc., assignee: *See*—
Lang, Gregor L.
Kall, Karl A.
Kittredge, Raymond E.
Lowkrantz, Gunne.
West, Russell L.
- Link-Belt Company: *See*—
Erlsman, John L.
- Link, Edwin A., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Switch construction. 2,442,464, June 1.
- Link, Edwin A., Jr., Binghamton, N. Y. Training device. 2,442,297, May 25.
- Link, George, Jr., assignee, trustee, et al.: *See*—
Robinson, William B., and Swenson.
- Link, Harry W., Merion, Pa., assignor to The Baldwin Locomotive Works. Nonoverhaul apparatus for hydraulic systems. 2,440,961, May 4.
- Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car end buffers. 2,442,050, May 25.
- Linke, Ernest A., Fort Wayne, Ind., assignor to General Electric Company. Current collector brush mechanism. 2,454,562, Nov. 23.
- Linker, William L., Warwick, and J. R. Welshman, Cranston, assignors to Grinnell Corporation, Providence, R. I. Means to flare tube ends and to prevent their rupture. 2,438,292, Mar. 23.
- Links, Julian A., San Francisco, Calif. Endless film magazine and projector. 2,443,708, June 22.
- Linn, Albert W., and A. C. Forbes, Memphis, Tenn. Color ink for cylinder presses. 2,435,452, Feb. 3.
- Linn, Carl B.: *See*—
Ipatieff, Vladimir N., and Linn.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of olefinic hydrocarbons. 2,436,929, Mar. 2.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,451,568, Oct. 19.
- Linn, Carl B., Riverside, and J. M. Mavity, Hinsdale, assignors to Universal Oil Products Company, Chicago, Ill. Method of purifying a hydrocarbon material containing a relatively small amount of an organic fluorine compound. 2,438,565, Mar. 30.
- Linn, Carl B., and L. Schmerling, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of fluoroalkanes. 2,451,843, Oct. 19.
- Linn, Frank F., Walnut Creek, Calif., assignor to Frank F. Linn Corporation. Trailer axle. 2,455,787, Dec. 7.
- Linn, Frank F., Corporation, assignee: *See*—
Linn, Frank F.
- Linnert, George E., Baltimore, Md., assignor, by mesne assignments, to Armo Steel Corporation. Combustion cutting of stainless steel. 2,454,325, Nov. 23.
- Linowitz, Solomon, Brooklyn, N. Y. Payroll time calculator. 2,442,657, June 1.
- Linstrom, Floyd T., assignor of one-third to G. B. Waldron and one-third to C. H. Callison, Denver, Colo. Apparatus for indicating pressure at a distance. 2,439,092, Apr. 6.
- Lintern Corporation, The, assignee: *See*—
Lintern, William A., and Christman.
Porter, Richard W., and Linowiecki.
- Lintern, William A., and J. N. H. Christman, Jr., assignors to The Lintern Corporation, Berea, Ohio. Safety fuel tank and toolbox combination. 2,445,275, July 13.
- Linton, William C., Washington, D. C. Illuminated cover plate. 2,448,606, Sept. 7.
- Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,436,654, Feb. 24.
- Lion Manufacturing Corporation, assignee: *See*—
Umbdenstock, Walter.
- Lion Oil Company, assignee: *See*—
Holberg, Arnold J.
- Lionel Corporation, The, assignee: *See*—
Gash, Abram D., Jr.
- Lipe-Rollway Corporation, assignee: *See*—
Root, Robert S.
Spase, Charles B.
- Lipfert, Donald E.: *See*—
Andrews, Douglas H., Jr., and Lipfert.
- Lipfert, Donald E., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Throttle control system. 2,438,718, Mar. 30.
- Lipfert, Donald E., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,442,421, June 1.
- Lipkin, Moses R.: *See*—
Hirschler, Alfred E., and Lipkin.
- Lipkin, Moses R., assignor to Sun Oil Company, Philadelphia, Pa. Separation of hydrocarbons. Re. 23,005, June 8.
- Lipkin, Moses R., Philadelphia, and A. E. Hirschler, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Separating aromatic hydrocarbons from a hydrocarbon mixture. 2,449,402, Sept. 14.
- Lippenberger, Raymond E., Alexandria, Va. Furniture. 2,439,690, Apr. 13.
- Lippincott, Samuel B.: *See*—
Welch, Leste M., and Lippincott.
- Lippincott, Stanley S., Palmyra, assignor to The Flexitall Gasket Company, Camden, N. J. Diaphragm pump. 2,445,293, July 13.
- Lippincott, Stanley S., Palmyra, assignor to Flexitall Gasket Company, Camden, N. J. Spiral wound gasket. 2,457,694, Dec. 28.
- Lippmann, Alfred, Jr., R. L. Comstock, Weeks, and E. B. Benjamin, assignors to Bay Chemical Company, Inc., New Orleans, La. Composition and process for curing lumber and product. 2,449,785, Sept. 21.
- Lippmann, Arthur W., assignor to Lippmann Engineering Works, Milwaukee, Wis. Vibrating screen. 2,456,791, Dec. 21.
- Lippmann Engineering Works, assignee: *See*—
Lippmann, Arthur W.
- Lips Brandkasten-en Slotenfabrieken N. V., assignee: *See*—
Eras, Vincent J. M.

- Lipschitz, George and S. K., New York, N. Y. Bracelet construction. 2,442,546, June 1.
- Lipschitz, Sidney K.: *See—*
Lipschitz, George and S. K.
- Lipschitz, Sidney K., New York, N. Y. Toy. 2,457,249, Dec. 28.
- Lipscomb, Robert, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Pump for gaseous working fluids. 2,456,133, Dec. 14.
- Lipski, Daniel J., Milwaukee, Wis. Jack stands. 2,439,854, Apr. 20.
- Lipton, Thomas J., Limited, assignee: *See—*
Arengo-Jones, Rhys W.
- Lipuma, Charles E., Chicago, Ill., assignor to Zenith Radio Corporation. Sunshade mounting. 2,457,479, Dec. 28.
- Liquid Carbonic Corporation, The, assignee: *See—*
Kantor, James.
Kantor, James, and Rosenberg.
- Liquidometer Corporation, The, assignee: *See—*
De Giers, Clarence A.
De Giers, Clarence A., and Campani.
De Giers, Clarence A., and Osterlund.
Wickesser, Arthur.
- Lisek, Walter J., Chicago, Ill. Napkin holder. 2,454,517, Nov. 23.
- Litkenhouse, Edward E., assignor to Tennessee Products Corporation, Nashville, Tenn. Extraction of nitrocellulose from nitrating solution. 2,446,541, Aug. 10.
- Liskow, Charles L., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency apparatus for inspection of sheet and other materials. 2,457,695, Dec. 28.
- Lisle Corporation, assignee: *See—*
Brooks, Thomas E.
- Lisle Mills, Inc., assignee: *See—*
Artzt, William W.
Artzt, William W., and Lesavoy.
- Lisman, Henry, Belmar, and E. K. Stodola, Neptune, N. J., assignors to the United States of America as represented by the Secretary of War. Ultra high frequency oscillator. 2,451,502, Oct. 19.
- Liss, Herman J., Brooklyn, N. Y. Repair clamp for pipe joints. 2,440,864, May 4.
- Lister, Alexander M., Philadelphia, Pa. Air heater for castings. 2,450,518, Oct. 5.
- Lister, Donald A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Terpene product. 2,437,857, Mar. 16.
- Liston, Marcia B., assignee, et al.: *See—*
Bucknell, Ernest H., and Bletcher.
- Liston, Max D., assignor to General Motors Corporation, Detroit, Mich. Modulated heat ray detector. 2,442,298, May 25.
- Liston, Max D., assignor to General Motors Corporation, Detroit, Mich. Direct current servo system. 2,442,300, May 25.
- Liston, Max D., and C. E. Quinn, assignors to General Motors Corporation, Detroit, Mich. Small voltage interrupter. 2,442,299, May 25.
- Litke, Bernhard J., Burbank, Calif. Ruffle ironer. 2,451,102, Oct. 12.
- Litman, Bernard, Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary amplifier. 2,445,788, July 27.
- Litt, Jack, assignee: *See—*
Mintzes, Louis.
- Littell, Nelson, assignee: *See—*
Jeffreys, George A.
- Little, Alfred E., Chicago, and H. Jagger, Maywood, assignors to Ditto, Incorporated, Chicago, Ill. Feed tray for duplicating apparatus. 2,440,635, Apr. 27.
- Little, Arthur D., Inc., assignee: *See—*
Chambers, John M.
Fogler, Benjamin B., and Marek.
Kleinschmidt, Robert V.
Latham, Allen, Jr.
Marek, Leroy F.
Sjöström, Loren B.
- Little, Howard W., near Canton, Ohio. Ventilator. 2,452,941, Nov. 2.
- Little, John W., Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc. Filter leaf support. 2,434,807, Jan. 20.
- Little, John W., Birmingham, Ala., assignor to Goslin-Birmingham Manufacturing Company, Inc. Winding machine. 2,443,986, June 22.
- Little, John W., Scarsdale, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Shrinkable container closure. 2,447,983, Aug. 24.
- Little, Kenneth B., and J. J. Burton, Easton, Pa., assignors to J. T. Baker Chemical Co., Phillipsburg, N. J. Crystallization of DDT. 2,453,076, Nov. 2.
- Little, Lawrence: *See—*
North, Gerald C., and Little.
- Littlejohn, Robert A., Danville, Va., assignor to Dan River Mills, Incorporated. Pivot mounting for looms and the like. 2,447,864, Aug. 24.
- Littlejohn, Robert J., Greenville, S. C. Horizontally swinging bracket supported auxiliary chair. 2,446,376, Aug. 3.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Variable condenser. 2,438,931, Apr. 6.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Anode construction. 2,441,971, May 25.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Carburized filament and method for treating the same. 2,450,007, Sept. 28.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Lead connector for electronic discharge devices. 2,452,582, Nov. 2.
- Littrell, John G., San Antonio, Tex. Airplane propeller and means for adjusting same. 2,457,576, Dec. 28.
- Litwin, Leo F., Chicago, Ill. Control apparatus. 2,445,681, July 20.
- Litty, Frederick L., Jr., assignor to The Davidson Chemical Corporation, Baltimore, Md. Controlling drier discharge. 2,439,741, Apr. 13.
- Livak, John E.: *See—*
Britton, Edgar C., and Livak.
- Livak, John E., and M. F. Murray, assignors to The Dow Chemical Company, Midland, Mich. Preparation of indolalhydantoin. 2,435,399, Feb. 3.
- Lively, John F., Mount Vernon, Ohio. Adapter attachment for indicator dials. 2,455,592, Dec. 7.
- Livermont, Frank W., assignor to Richmond, Inc., Los Angeles, Calif. Limited torque tool. 2,439,980, Apr. 20.
- Livers, Carlos B., North Hollywood, assignor to Variety Development and Engineering Company, Los Angeles, Calif. Electric motor. 2,456,967, Dec. 21.
- Livingston, Alistair: *See—*
Irving, Francis, and Livingston.
- Livingston, Charles L.: *See—*
Livingston, Francis G., and C. L.
- Livingston, Edmund C., Rehoboth, Mass. Safety stop for barrels. 2,455,426, Dec. 7.
- Livingston, Francis G. and C. L., Algona, Iowa. Facing tool. 2,453,848, Nov. 16.
- Livingston, Herbert K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adjusting the pH of synthetic elastomer latices. 2,456,069, Dec. 14.
- Livingston, Herman G., Houston, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Bottom hole orientation. 2,438,293, Mar. 23.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Circuit for measuring the last half cycle voltage across a resistance weld. 2,440,962, May 4.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Second harmonic nonlinear amplifier. 2,450,286, Sept. 28.
- Livingston, Orrin W., and E. E. Moyer, Scotia, N. Y., assignors to General Electric Company. Grid-to-cathode capacitor construction. 2,448,378, Aug. 31.
- Livingston, Stanley D., Freeport, N. Y. Surge generator. 2,448,897, Sept. 7.
- Livingstone, Harry, Longsight, Manchester, and W. E. Rogers, Timperley, Altrincham, assignors to Manchester Repetition Engineers Limited, Longsight, Manchester, England. Grinding or like machines. 2,437,106, Mar. 2.
- Ljutic, Albert V., Verona, Calif. Gas-operated automatic rifle. 2,456,290, Dec. 14.
- Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency tank circuits. 2,453,716, Nov. 16.
- Lloyd, Donald, assignor of one-half to A. L. Fletcher, Oklahoma City, Okla. Electrode holder. 2,443,467, June 15.
- Lloyd, Eldon E., Maryville, Mo. End fastener for tire chains. 2,442,243, May 25.
- Lloyd, George G., assignor to Loftus Engineering Corporation, Inc., Pittsburgh, Pa. Industrial furnace and operating the same. 2,439,309, Apr. 6.
- Lloyd, Paul M., Glendale, Calif. Spindle reversing device for drill presses. 2,451,756, Oct. 19.
- Lloyd Products Company, assignee: *See—*
Burt, Guy H.
Dansereau, George H.
Richardson, Arthur A.
- Lloyd, Robert L., Laurelton, N. Y., assignor to American Maize-Products Company. Starch stabilizer. 2,442,658, June 1.
- Lloyd, Robert V., New York, N. Y. Nursing bottle attachment. 2,438,066, Mar. 16.
- Lobe, Albert, assignee: *See—*
Rickerson, Floyd K.
- Lobdell, Franklin H., Naugatuck, Conn., assignor to The Bullard Company. Tool. 2,455,183, Nov. 30.
- Lobley, Frederick A., assignor to Miles Laboratories, Inc., Elkhart, Ind. Means and method for reducing to powder form materials packaged as tablets. 2,447,258, Aug. 17.
- Lobley, Frederick A., and W. E. Lowell, assignors to Miles Laboratories, Inc., Elkhart, Ind. Crushing roll apparatus for reducing to powder materials packaged in tablet form. 2,437,881, Mar. 16.
- LobLure, Inc., assignee: *See—*
Curtis, Osborn M., Jr., and Prudden.
- Lobosco, Roscoe E., Elizabeth, N. J., assignor to Union Carbide and Carbon Corporation. Speed governor. 2,437,301, Mar. 9.
- Lobosco, Roscoe E., Elizabeth, N. J., assignor to The Linde Air Products Company. Electrical regulating system. 2,445,789, July 27.

- Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,440,826, May 4.
- Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,455,788, Dec. 7.
- Loc-Bloc Corporation, assignee: *See—*
Slaton, Stewart E.
- Lochner, Albert T., Louisville, Ky. Braiding machine carrier. 2,452,250, Oct. 26.
- Locke, Arthur A., assignee: *See—*
Patrick, Lawrence M.
- Locke, Arthur A., Detroit, Mich. Helicopter lifting screw operating mechanism. 2,437,165, Mar. 2.
- Locke, Edwin A., Jr., Quincy, Mass., assignor to The Nevins-Church Press, New York, N. Y. Razor blade box. 2,442,699, June 1.
- Locke, Edwin A., Jr., Quincy, assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade container. 2,453,238, Nov. 9.
- Locke, George A., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing mechanism for telegraph systems. 2,442,301, May 25.
- Locke, Niel C., Lockeford, Calif. Leveling and contouring machine. 2,450,200, Sept. 28.
- Locke, Raymond C., Schenectady, N. Y., assignor to General Electric Company. Directive radiant energy locating and indicating system. 2,436,655, Feb. 24.
- Locke, Robert R., Framingham, Mass. Variable-speed transmission. 2,443,075, June 8.
- Locke Stove Company, assignee: *See—*
Douthat, Edward M., and Esson.
- Locker, James R., Warrington, England. Conveyance of fluent materials. 2,457,387, Dec. 28.
- Lockhart, Marshall L., Rutherford, N. J. Hypodermic needle. 2,448,898, Sept. 7.
- Lockhart, Marshall L., Rutherford, N. J. Hypodermic syringe. 2,457,313, Dec. 28.
- Lockheed Aircraft Corporation, assignee: *See—*
Archer, James O., and Salmi.
Berman, Ward W.
Bloomfield, John J.
Burcham, Milo.
Burns, Robert J.
Burt, Robert C.
Christensen, Edwin V.
Christensen, Stig, Rosenberg, and Swift.
Clark, Floyd W.
Dawson, Charles A.
Farris, Michael O., O'Connor, and Gottschalk.
Korff, Walter H.
Hallen, Robert O.
Johnson, Clarence L., and Richolt.
Maguire, Jack H.
Meripol, Edward B.
Prest, Clarence O.
Price, Nathan C.
Price, Nathan C., and Greenwald.
Sandorff, Paul E.
- Lockrey, Andrew J., Flushing, and M. Dichter, Brooklyn, N. Y. Intermittent movement carriage apparatus for testing photographic exposure. 2,441,919, May 18.
- Lockroy, Harold, Berkeley, Calif. Electrical connector. 2,436,217, Feb. 17.
- Lockwood, George H., and D. F. Way, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Getter. 2,449,786, Sept. 21.
- Lockwood, Lewis B., and F. H. Stodola, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Fermentation process for production of α -ketoglutaric acid. 2,443,919, June 22.
- Loder, Donald J.: *See—*
Larson, Alfred T., Loder, and Dittmar.
- Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isocyanates of hydrolyzed ethylene vinyl ester interpolymers. 2,451,963, Oct. 19.
- Lodge, Alvin, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for crimping textile fibrous material. 2,435,891, Feb. 10.
- Lodge, Alvin, Detroit, Mich., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for spinning artificial staple fibers. 2,447,984, Aug. 24.
- Lodge, Edmund G., Rosemont, assignor to International Resistance Company, Philadelphia, Pa. Volume control. 2,437,166, Mar. 2.
- Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Splice for conductors and splicing conductors. 2,435,284, Feb. 3.
- Lodge, Joseph E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Safety device for rubber mills. 2,450,760, Oct. 5.
- Lodge Plugs Limited, assignee: *See—*
Hopps, Bernard, and Smithells.
- Lodge and Shipley Company, The, assignee: *See—*
Rosen, Oscar E.
- Loeb, Lawrence A., New Haven, Conn. Multiple closure for dishwashing machines. 2,450,670, Oct. 5.
- Loeb, William S., assignee: *See—*
Aber, Joseph S.
- Loeber, Martin, assignee: *See—*
Kasboske, Clement B.
- Loehr, Aloysius, Wichita, Kans. Toothbrush having paste tube on handle. 2,438,641, Mar. 30.
- Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Regulating apparatus. 2,434,421, Jan. 13.
- Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Coupling for tubular members. 2,456,203, Dec. 14.
- Loessel, Edward H., and J. J. Risdon, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Comparator for color photographs. 2,446,052, July 27.
- Loetscher, Fred R., Dubuque, Iowa. Making building material. 2,442,422, June 1.
- Loew, Sigmund, Windsor, Ontario, Canada. Slide fastener machine. 2,444,706, July 6.
- Loew, Theodore, New York, N. Y. Centrifugal casting apparatus. 2,451,103, Oct. 12.
- Loewe, Peter L., Kalamazoo, Mich. Control mechanism for a plurality of motors. 2,448,675, Sept. 7.
- Loewenstein, Ernst, San Francisco, Calif. Arrangement for covering ship hulls. 2,455,593, Dec. 7.
- Loewer, Henry B., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,439,478, Apr. 13.
- Loewy Engineering Company Limited, The, assignee: *See—*
Henschker, Erhard.
Wutscher, Theodor.
- Loewy, Walter W., New York, N. Y. Horizontal axis drum grain peeler with cooperating resinous and rubber peeling surfaces. 2,435,592, Feb. 10.
- Lofgren, Carl H., New York, assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y. Machine for applying fasteners to web material. 2,456,433, Dec. 14.
- Löfgren, Nils M., and B. J. Lundqvist, Stockholm, assignors to Aktiebolaget Astra, Apotekarnes Kemiska Fabriker, Sodertälje, Sweden. Alkyl glycinanilides. 2,441,498, May 11.
- Lofquist, Albert P., Jr., Inglewood, Calif. Hose coupling. 2,440,178, Apr. 20.
- Lofshult, Paul, Sloan, Iowa. Hauling device. 2,442,273, May 25.
- Lofstrand, Anders R., Jr., Silver Spring, Md. Crutch. 2,453,632, Nov. 9.
- Lofton, Edgar K., Lake Bluff, Ill., assignor to The Dayton Rubber Company. V-Flat drive. 2,456,518, Dec. 14.
- Loftus, Clarence J., assignee: *See—*
Reilly, Frank J.
- Loftus Engineering Corporation, assignee: *See—*
Campion, Donald C., Sr.
- Loftus Engineering Corporation, Inc., assignee: *See—*
Lloyd, George G.
Piper, John C.
- Loftus, Fred H., Mount Lebanon, Pa. Furnace and operating same. 2,438,812, Mar. 30.
- Logan, Evelyn, Washington, D. C. Self-serving table. 2,453,443, Nov. 9.
- Logan, John A., Malden, Mo. High rate activated sludge process and apparatus. 2,436,584, Feb. 24.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Smoke responsive control for oil burners. 2,441,025, May 4.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner delayed-action valve. 2,451,681, Oct. 19.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Multiple nozzle gun type oil burner and control therefor. 2,451,964, Oct. 19.
- Logan, Otis A., Kansas City, Mo. Trailer hitch. 2,441,428, May 11.
- Logan, Otis A., Kansas City, Mo. Fifth wheel assembly. 2,450,201, Sept. 28.
- Logan, Robert C., Chowchilla, Calif. Fountain implement with pivotally mounted dual brush units. 2,448,607, Sept. 7.
- Logan, Ulysses S., Shorewood, Wis. Hanger bracket. 2,447,128, Aug. 17.
- Logan, Victor R., Brownsville, Ky. Extracting and purifying bitumen. 2,453,633, Nov. 9.
- Logan, William B., Lake Charles, La. Decolorizing gum rosin. 2,440,204, Apr. 20.
- Logemann, Willy: *See—*
Serini, Arthur, and Logemann.
- Lolkema, Jan: *See—*
Möller, Fredrik A., and Lolkema.
- Lomasney, Edmond P., Bayside, Long Island, N. Y., assignor, by mesne assignments, to R. L. Faber, Los Angeles, Calif. Method of determining a sludge index for engine oils. 2,450,603, Oct. 5.
- Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulsing circuit including a preenergizing circuit for the impulsing relay. 2,448,608, Sept. 7.
- Lomax, Frank E., Chicago, Ill., deceased; M. P. Lomax, executrix, assignor to M. P. Lomax, Chicago, Ill. Method of and apparatus for filtering. 2,455,130, Nov. 30.
- Lomax, Malcomb V., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Wire welding tool. 2,442,423, June 1.

- Lomax, Mary P., assignee, executrix: *See*—
Lomax, Frank B.
- Lombard Governor Corporation, assignee: *See*—
Brown, Thomas W.
- Lombardi Knitting Machine Co., Inc., assignee: *See*—
Lombardi, Vincent.
- Lombardi, Vincent, assignor to Lombardi Knitting Machine Co., Inc., Miami, Fla. Knitted fabric and method. 2,434,043, Jan. 6.
- Lomelino, George F., assignor of one-half to L. E. Ostrom, Olney, Ill. Coupling. 2,453,024, Nov. 2.
- Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cooperating card envelope and a card holder with detent retaining means. 2,450,003, Sept. 28.
- Lommen, Robert M.: *See*—
Feldhausen, Cyril P., and Lommen.
- Londergan, Thomas E.: *See*—
Walker, Joseph F., and Londergan.
- Lone-Weils Company, assignee: *See*—
Chun, Melvin E., and Stick.
- Loneragan Manufacturing Company, assignee: *See*—
Greer, Carl S., Jr.
- Lone Star Gas Company, assignee: *See*—
Martin, James W.
- Loney, Harley C., Company, assignee: *See*—
Kalajian, Harry J.
- Long, Albert T., Baltimore, Md. Lectern. 2,449,492, Sept. 14.
- Long, Arthur R.: *See*—
Goldberg, Harry, Siwek, Long, and Carter.
- Long, Charles R., Fort Monroe, Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying extended lengths of thread with infrared lamps. 2,445,443, July 20.
- Long, Donald: *See*—
Bernstein, Herbert I., and Long.
- Long, E., Limited, assignee: *See*—
Lancaster, Arthur W.
- Long, Emmet S., Los Angeles, Calif. Apparatus for molding rubber and plastic materials. 2,452,382, Oct. 26.
- Long, Fred R., Catawissa, Pa. Combined pipe union and check valve. 2,454,072, Nov. 16.
- Long, Harry R., San Pedro, Calif. Aligning bar. 2,453,717, Nov. 16.
- Long, Henry S., Gastonia, and J. P. Fields, Fayetteville, N. C. Pot type oil burner. 2,442,465, June 1.
- Long, Hugh, Los Angeles, Calif. Supporting structure. 2,438,566, Mar. 30.
- Long, John D., Westfield, N. J., assignor to Standard Oil Development Company. Extractive distillation of butanes and butenes with acetone solvent. 2,449,610, Sept. 21.
- Long, John H., New York, and W. Lupish, New Hyde Park, N. Y., assignors to the United States of America, as represented by the Secretary of Navy. Coaxial optical system for displacement gauges. 2,437,608, Mar. 9.
- Long, John R., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Cyanostyrene copolymerized with butadienes. 2,435,790, Feb. 10.
- Long, Leland E., Dayton, assignor to The Fayette Manufacturing Company, Fayette, Ohio. Suspension for tandem wheeled vehicles. 2,451,293, Oct. 12.
- Long, Myron A., Youngstown, Ohio. Hoist grapple. 2,441,026, May 4.
- Long, Olive L., Reno, Nev. Child's undershirt. 2,433,915, Jan. 6.
- Long, Ralph B., Flint, Mich. Folding stool supporting structure. 2,456,519, Dec. 14.
- Long, Robert S.: *See*—
Lecher, Hans Z., Parker, and Long.
- Long, Robert S., and C. E. Lewis, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Metallizable azo dyes containing a pyrazolone radical. 2,435,182, Jan. 27.
- Long, Robert S., and C. E. Lewis, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Metal complexes of pyrazolone azo dyestuffs. 2,437,645, Mar. 9.
- Long, Sidney L., Minneapolis, Minn. Ball actuated toy. 2,434,571, Jan. 13.
- Long, Walter K., Auburn, assignor to W. N. Allyn, Skaneateles, N. Y. Laryngoscope. 2,435,400, Feb. 3.
- Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Differential concrete pump. 2,448,104, Aug. 31.
- Longenecker, Charles I., Wauwatosa, and G. W. Quast, assignors to Chain Belt Company, Milwaukee, Wis. Self-priming centrifugal pump. 2,442,135, May 25.
- Longenecker, Ernst A., Milwaukee, Wis., assignor to Hart-Carter Company, Peoria, Ill. Motor bicycle. 2,451,965, Oct. 19.
- Longenecker, Levi S., Mount Lebanon, Pa. Smelting furnace. 2,440,374, Apr. 27.
- Longfellow, Richard C., Schenectady, N. Y., assignor to General Electric Company. Capacitor switch. 2,439,255, Apr. 6.
- Longfield, William F., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Combined clutch and brake. 2,436,968, Mar. 2.
- Longfield, William F., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Combined clutch and brake. 2,441,543, May 11.
- Longfield, William F., assignor to The Cleveland Punch & Shear Works Company, Cleveland, Ohio. Strip uncoiler. 2,441,544, May 11.
- Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Cohen, Louis.
- Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Attaining high vacuum in photoelectric tubes. 2,449,493, Sept. 14.
- Longini, Richard L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Outgassing photocells containing antimony. 2,456,968, Dec. 21.
- Lonne, Ingvar, Burbank, Calif. Mechanically operated razor. 2,445,790, July 27.
- Lonze, Ervin O., assignor to Era Tool and Engineering Company, Chicago, Ill. Wheel construction. 2,434,501, Jan. 13.
- Look, Bonne C., Jr.: *See*—
Jones, Alun R., and Look.
- Loomis, Crawford C., Iilon, N. Y., and K. J. Lowe, deceased, late of Iilon, N. Y.; by Jane A. Lowe, administratrix, Iilon, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Inertia rate of fire retarder. 2,451,624, Oct. 19.
- Loon, Fred G.: *See*—
Wharam, John J., and Loon.
- Loonam, Alfred C., New York, N. Y., assignor to Mathleson Chemical Corporation. Magnesium base lithium alloys. 2,453,444, Nov. 9.
- Loosjes, Robert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing cathodes of electric discharge tubes. 2,453,753, Nov. 16.
- Lopez, Manuel, Akron, Ohio. Sleeve stretcher or the like. 2,454,395, Nov. 23.
- Lorain Products Corporation, assignee: *See*—
Huge, Henry M.
Pohm, George H.
- Lorance, George T., Chappaqua, assignor to International Projector Corporation, New York, N. Y. Echo sounding indicator. 2,446,937, Aug. 10.
- Lorand, Eugene J., and J. E. Reese, assignors to Hercules Powder Company, Wilmington, Del. Stabilization of oxidized aromatic hydrocarbons. 2,438,125, Mar. 23.
- Lorant, Hugo, New York, N. Y. Extrusion press. 2,447,129, Aug. 17.
- Lord, Francis L., Orange, N. J., assignor of one-eighth to C. G. Aschenback, New York, N. Y., one-eighth to E. Carbaugh, Maplewood, N. J., and one-fourth to E. T. Roe, Pleasantville, N. Y. Locking, threading insert. 2,443,466, June 15.
- Lord, Harold W.: *See*—
Bias, Frank J., and Lord.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Timing circuit. 2,439,256, Apr. 6.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Pulse generating circuits. 2,444,782, July 6.
- Lord, Kenneth M., Canandaigua, and G. E. Warren, Honeye Falls, N. Y., assignors to Protect-O-Farm Company, Kenosha, Wis. Temperature alarm system. 2,452,942, Nov. 2.
- Lord Manufacturing Company, assignee: *See*—
Kaemmerling, Gustav H.
Strachovsky, Nikita B.
Worley, James D.
- Lord, Thomas: *See*—
Rouy, Augustee L. M. A.
- Lord Baltimore Press, The, assignee: *See*—
Hagan, Cora L.
- Lorentzen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry.
- Lorenz, Henry W. F., Jersey City, N. J. Selective adsorption of lubricants. 2,434,113, Jan. 6.
- Lorenz, Mynard R., and C. A. Brahm, Pittsburgh, Pa. Awning. 2,453,921, Nov. 16.
- Lorenz, Walter, R. Behnisch, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Manufacture of sulfonamide compounds. 2,443,742, June 22.
- Lorenzen, Howard O.: *See*—
Faust, William R., and Lorenzen.
- Lorenz-Risler, Louise, assignor to A. L. Lutz, Zurich, Switzerland. Ribbon threading mechanism. 2,438,063, Mar. 16.
- Lornitzo, Frank C., Pawtucket, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Pressing machine and linkage mechanism for transmitting and transforming force for use therein. 2,451,844, Oct. 19.
- Lornitzo, Frank C., and H. B. Beede, Pawtucket, R. I., assignors, by mesne assignments, to Pantex Manufacturing Corporation. Pressing machine and multiple lever linkage mechanism for transmitting and transforming force for use therein. 2,451,845, Oct. 19.
- Lorphelin, Jean, Paris, France. Heat-actuated pendular motor. 2,442,466, June 1.
- Lorraine, Edward C., Elmhurst, N. Y. Edge molding. 2,449,904, Sept. 21.
- Lory, Marion R.: *See*—
Frisch, Erling, and Lory.
- Lorz, Emil: *See*—
Baltzly, Richard, and Lorz.

- Los Angeles Paper Box Factory, assignee: *See*—Harhay, John.
- Losch, Albert A., Rydalmere, New South Wales, Australia, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Loading platform. 2,436,440, Feb. 24.
- Losch, Albert A., Rydalmere, New South Wales, Australia, assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Overhead loader. 2,446,938, Aug. 10.
- Loss, Isidor R., Rowayton, Conn., assignor to Ingersoll-Rand Company, New York, N. Y. Casing for pumps. 2,450,671, Oct. 5.
- Lossing, Frederick P.: *See*—Morrison, George O., Lossing, Heatley, and Germain.
- Lothman, Victor O., assignee: *See*—Tallander, Frederic Jr.
- Lothrop, Marcus, United States Navy, Berkeley, Calif. Sleeve valve engine. 2,452,583, Nov. 2.
- Lott, William A., East Orange, and F. H. Bergeim, Highland Park, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. C-p-aminobenzenesulfonamido-substituted thiazolines and their production. 2,438,177, Mar. 23.
- Lotts, Delbert L., Kent, Ohio, R. T. Bucy, and H. E. Waldron, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power unit. 2,449,905, Sept. 21.
- Louden, John: *See*—Morris, George, and Loudon.
- Loudenslager, Oscar W., R. C. Gardner, and F. E. Ensley, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Balloon suspension patch. 2,448,269, Aug. 31.
- Loughborough, William K., Madison, Wis., assignor to United States of America as represented by the Secretary of Agriculture. Resinifying ligno-cellulosic materials with urea-formaldehyde. 2,442,897, June 8.
- Loughborough, William K., Madison, Wis., assignor to United States of America as represented by the Secretary of Agriculture. Impregnating wood and composition therefor. 2,455,427, Dec. 7.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal translating system. 2,444,741, July 6.
- Loughren, Arthur V., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Inverter system. 2,456,204, Dec. 14.
- Louisiana Savings Bank & Trust Company, assignee: *See*—Snyder, John Y.
- Louison, Anthony, assignee: *See*—Whitbread, Samuel A.
- Loumiet et Lavigne, Jean, Itabo, Cuba. Regulating steam generators and automatic feed systems for such generators. 2,437,327, Mar. 9.
- Loung, Pai Yen, New York, N. Y. Device for cutting non-circular holes. 2,453,025, Nov. 2.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,439,941, Apr. 20.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Worm gear housing. 2,441,640, May 18.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car-end buffer. 2,451,569, Oct. 19.
- Loux, John H., assignor to The Salem Engineering Company, Salem, Ohio. Heating and quenching apparatus. 2,438,064, Mar. 16.
- Love, Fred W., Youngstown, and C. E. McCormick, Poland, assignors to Lee Rubber & Tire Corporation, Youngstown, Ohio. Coating machine. 2,455,428, Dec. 7.
- Love, Homer, C. E. Britain, B. D. Langton, R. E. Van Gundy, Wichita, and C. E. Van Gundy, Valley Center, Kans. Propelling power unit for invalid wheel chairs. 2,448,992, Sept. 7.
- Love, Jabez A., Eau Claire, Mich. Implement hitch. 2,445,145, July 13.
- Love, James E., Garfield, Wash. Harvesting mechanism. 2,438,065, Mar. 16.
- Love, Lee C., and C. H. Slaughter, Columbus, and R. H. Orthoefer, Jr., Worthington, assignors to The Ebco Manufacturing Company, Columbus, Ohio. Precooler system for refrigerated drinking fountains. 2,446,289, Aug. 3.
- Love, Marie H., and P. T. Love, Riverdale, N. Y. Nursing bottle holder. 2,451,846, Oct. 19.
- Love, Paul T.: *See*—Love, Marie H., and Love, P. T.
- Love, Robert M., Baytown, Tex., assignor to Standard Oil Development Company. Removing olefins from aromatic hydrocarbons. 2,454,467, Nov. 23.
- Lovegrove, Henry J., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Telemetering. 2,446,290, Aug. 3.
- Lovelace, William R., II: *See*—Boothby, Walter M., Bulbulian, and Lovelace.
- Loveland, Robert, Dunellen, assignor to Johnson & Johnson, New Brunswick, N. J. Flame resistant composition comprising polyvinyl acetate, plasticizer and antimony trioxide filler. 2,443,566, June 15.
- Loveless, Donald L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Production of stainless steel. 2,455,073, Nov. 30.
- Loveless, Donald L., Baltimore, Md., assignor to Armco Steel Corporation. Production of stainless steel. 2,455,074, Nov. 30.
- Loveless, Donald L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Production of stainless steel. 2,457,055, Dec. 21.
- Loveless, Raiford U., assignee: *See*—Schultz, Fred M.
- Lovell, Clarence A.: *See*—Bomberger, David C., Lovell, Och, Swartzel, and Weber.
- Lovell, Clarence A., and D. B. Parkinson, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Range computer. 2,443,624, June 22.
- Lovell Manufacturing Company, assignee: *See*—Kaufman, Walter L., II.
- Lovell, Stanley P., Newtonville, Mass. Last. 2,445,791, July 27.
- Lovell, Wheeler G., M. J. Mulligan, and H. K. Lichtenwalner, assignors to General Motors Corporation, Detroit, Mich. Synthesis of organic compounds. 2,453,144, Nov. 9.
- Lovelock, Arthur R., Boat of Garten, Scotland. Match draw indicator. 2,437,167, Mar. 2.
- Lovens Kemiske Fabrik v/Aug. Kongsted, assignee: *See*—Bennekou, Ingolf.
- Loveerde, Anthony, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of organic mercaptans. 2,456,588, Dec. 14.
- Lovering, Arthur F., Northampton, Mass. Air gun. 2,453,799, Nov. 16.
- Lovesey, Horace, assignor to Telephone Manufacturing Company Limited, London, England. Making electric contact plugs. 2,444,997, July 13.
- Low, John J., Los Angeles, Calif. Spring suspension for vehicles. 2,448,224, Aug. 31.
- Lowden, William P., Pitman, N. J., assignor to Radio Corporation of America. Impregnating composition comprising coumarone indene resin, cetyl acetamide, and ethyl cellulose. 2,456,717, Dec. 21.
- Lowe, Clarence W., Tacoma, Wash. Trimming and grooving machine. 2,436,111, Feb. 17.
- Lowe, Horace, assignor to Riviera Packing Company, Eastport, Maine, a partnership composed of V. N. Cory and A. Vogl. Distributing apparatus. 2,451,104, Oct. 12.
- Lowe, Jane A., administratrix: *See*—Loomis, Crawford C., and Lowe.
- Lowe, John C., Quakertown, assignor to H. R. Lutz, Sellersville, Pa. Dehydrator. 2,452,134, Oct. 26.
- Lowe, John C., Quakertown, assignor to H. R. Lutz, Sellersville, Pa. Paper pulp machine. 2,452,135, Oct. 26.
- Lowe, Kenneth J.: *See*—Loomis, Crawford C., and Lowe.
- Lowe, Martin, assignor of one-half to A. Block, New York, N. Y. Clothes hanger. 2,440,636, Apr. 27.
- Lowe, Martin, assignor of one-half to A. Block, New York, N. Y. Clothes hanger. 2,440,637, Apr. 27.
- Lowe, Russell E.: *See*—Morgan, John D., and Lowe.
- Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Gelling of polyvinyl alcohol coatings. 2,455,936, Dec. 14.
- Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of hardened polyvinyl alcohol coatings. 2,455,937, Dec. 14.
- Lowe, Wesley G., and R. G. Tarkington, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic cellulose ester silver halide emulsion. 2,448,534, Sept. 7.
- Lowe, William G.: *See*—Daly, Arthur J., and Lowe.
- Lowell, George H., Jr., South Portland, Maine. Knife rack. 2,453,800, Nov. 16.
- Lowell, Walter E.: *See*—Lobley, Frederick A., and Lowell.
- Lowengardt, Paul: *See*—Elsas, William D., Lowengardt, and Scheffel.
- Lower, Carl F., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,439,113, Apr. 6.
- Lowery, Frank L., Oklahoma City, Okla. Portable device for pasting wallpaper. 2,440,481, Apr. 27.
- Lowery, Roger W.: *See*—Boisseau, Alexander C., Beall, Frank, and Lowery.
- Lowey, Francis J.: *See*—Tower, Charles H., and Lowey.
- Lowey, Francis J., Bay Village, assignor to The S. K. Wellman Company, Cleveland, Ohio. Shaping bimetallic articles. 2,446,892, Aug. 10.
- Lowkrantz, Gunne, assignor to Link Aviation, Inc., Birmingham, N. Y. Simulated directional gyro for aviation trainers. 2,443,076, June 8.
- Lowry, Charles E.: *See*—Stanton, George W., and Lowry.
- Lowry, Christopher: *See*—Stanton, Robert J., and Lowry.
- Lowry, Erwin F., Lynn, A. L. Peacock, Danvers, and W. E. Leyshon, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrode. 2,446,157, July 27.
- Lowry, Hubert B., Lawndale, Calif. Fish bowl lamp shade. 2,448,318, Aug. 31.
- Lowry, Robert D.: *See*—Thayer, Gordon B., and Lowry.

- Loy, John W., McLean, Va., assignor to Phillips Petroleum Company. Catalyst chamber construction. 2,450,804, Oct. 5.
- Lozivit, René, Paris, assignor to Societe d'Etudes de Carburatation pour l'Automobile et l'Aviation "S. E. C. A. A.," Levallois-Perret, France. Throttle control for the primary and secondary charges of engines. 2,453,377, Nov. 9.
- Luaces, Enrique L., assignor to Chemical Developments Corporation, Dayton, Ohio. Extruding irregularly shaped carbon rods. 2,455,509, Dec. 7.
- Luaces, Enrique L., and M. A. Crosby, assignors to Chemical Developments Corporation, Dayton, Ohio. Pump for corrosive fluids. 2,441,708, May 18.
- Lubbock, Isaac, Great St. Helens, London, assignor to The Asiatic Petroleum Company, Limited, London, England. Liquid-cooled nozzle arrangement for combustion chambers of jet propulsion apparatus. 2,453,378, Nov. 9.
- Lubbock, Isaac, and H. J. Poole; said Lubbock assignor to The Asiatic Petroleum Company, Limited, London, England. Igniting device for combustion chambers. 2,447,758, Aug. 24.
- Lubcke, Martin C., Emmett, Idaho. Antiskid vehicle frame. 2,453,445, Nov. 9.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Inexpensive monoblock range finder. 2,434,172, Jan. 6.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical rectification for motion-picture apparatus and the like. 2,455,789, Dec. 7.
- Lubri-Zol Development Corporation, The, assignee: See—Byrkit, Gordon D.
Lincoln, Bert H., and Byrkit, Lincoln, Bert H., and Steiner.
- Lucas, David H., Knoxville, Tenn. Vacuum leaf pickup pulverizer. 2,436,011, Feb. 17.
- Lucas, George W., St. Clair Shores, Mich., assignor to Carboly Company, Inc. Diamond tool and making the same. 2,452,478, Oct. 26.
- Lucas, Joseph E., Longview, assignor of one-tenth to M. N. Smith and M. J. Porter, Gregg County, Tex. Ball joint retainer. 2,446,658, July 6.
- Lucas, Joseph, Limited, assignee: See—Ifield, Richard J.
Shaw, Frederick T.
Watson, Ernest A., and Ifield.
- Lucas, Victor E.: See—Emerson, William S., and Lucas.
- Luce, Richard W., Southport, Conn. Making molds. 2,440,963, May 4.
- Luce, Richard W., Southport, Conn. Retrodirective light-reflecting device. 2,444,356, June 29.
- Lucek, Charles W.: See—Fitch, Karl E., Large, and Lucek.
- Lucey, John E., Brockton, and W. J. McGrath, Marblehead, Mass. Making arch-supporting shoes. 2,441,891, May 18.
- Lucht, Victor F.: See—Kramer, Alexander E., and Lucht.
- Lucht, Victor F., Washington, D. C. Gun recoil spring surge dampener. 2,454,818, Nov. 30.
- Lucia, Louis V., West Hartford, Conn. Ice machine. 2,435,285, Feb. 3.
- Lucia, Louis V., West Hartford, Conn. Refrigerator for making and using crushed ice. 2,449,132, Sept. 14.
- Lucien, René, Farnham Common, England. Vehicle body. 2,455,429, Dec. 7.
- Luck, David G. C., Princeton, N. J., assignor to Radio Corporation of America. Course indicator system for radio ranges. 2,436,479, Feb. 24.
- Luck, David G. C., Hightstown, N. J., assignor to Radio Corporation of America. Frequency modulation. 2,454,933, Nov. 30.
- Lucke, Charles E., New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Condenser. 2,447,259, Aug. 17.
- Luckhaupt, Christopher, Jamaica, N. Y. Animated toy. 2,455,430, Dec. 7.
- Luckower, Francis, Mount Vernon, N. Y. Fur buffing machine. 2,445,623, July 20.
- Ludel, Jacob, assignor to Diamond Craft of America, Inc., New York, N. Y. Gem dop. 2,435,971, Feb. 17.
- Ludington, Clyde, Billings, Mont. Stocking turner. 2,447,192, Aug. 17.
- Ludlow, John H.: See—Dodds, John M., and Ludlow.
- Ludwick, Joseph H., Spokane, Wash. Polishing implement with work face consisting of replaceable fabric sheets. 2,440,014, Apr. 20.
- Ludwig, James H., Collingswood, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,453,996, Nov. 16.
- Ludwig, James H., Collingswood, N. J., assignor to Radio Corporation of America. Band-pass amplifier. 2,455,510, Dec. 7.
- Ludwig, Leon R.: See—Goodwin, Arthur E., and Ludwig.
- Ludwig, Leon R., Forest Hills, B. P. Baker and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas-operated circuit interrupters with position indicator. 2,447,656, Aug. 24.
- Ludwig, Leon R., Buffalo, and C. P. Troncatti, Eggertsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Die-cast squirrel cage and blower. 2,447,657, Aug. 24.
- Ludwig, Leon R., T. C. Fockler, W. H. Formhals, Buffalo, N. Y., and H. T. Walton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan-cooled dynamoelectric machine. 2,449,494, Sept. 14.
- Ludwig, Louis, New York, N. Y. Plug tap. 2,446,709, Aug. 10.
- Ludwig, Walter D., Jr., Detroit, Mich. Valve. 2,441,201, May 11.
- Ludwig, Walter E., assignee, et al.: See—Parkhill, Frederic W.
- Luebbers, Herman, assignee: See—Pokorny, Stephen S.
- Luebke, George C., Cincinnati, Ohio, assignor of one-half to J. D. Luebke, Libertyville, Ill. Adhesive tape applying device. 2,452,584, Nov. 2.
- Luebke, J. D., assignee: See—Luebke, George C. and J. D.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 2,435,791, Feb. 10.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Ink fountain for printing presses. 2,442,700, June 1.
- Lueneburg, Walter C., Evanston, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker cover structure. 2,456,134, Dec. 14.
- Luft, Homer G., Dearborn, Mich. Snap-action latch for work holding vice. 2,449,748, Sept. 21.
- Luftig, Morris, Chicago, Ill. Garment supporting belt. 2,442,855, June 8.
- Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Circuit breaker. 2,438,067, Mar. 16.
- Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Record controlled data storing device. 2,453,239, Nov. 9.
- Luhmann, George W., Cedar Brook, N. J. Apparatus for preparing finely divided fibre stock for fluid conveyance. 2,439,014, Apr. 6.
- Luke, Charles E., Irwin, Pa., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Manufacture of flaked cereal-soya product. 2,436,519, Feb. 24.
- Lukens, Lloyd H., assignee: See—Werner, Arthur C.
- Lukes, George E., and R. C. Swann, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Synthesis of unsaturated ketones. 2,457,696, Dec. 28.
- Lukowitz, Bernard V., Milwaukee, Wis. Trick walking cane. 2,438,014, Mar. 16.
- Lum, George P., assignor to Bendix Aviation Corporation, South Bend, Ind. Screw locking means. 2,457,697, Dec. 28.
- Lum, John C., Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Application of phosphate protective coatings to nonferrous metals. 2,449,495, Sept. 14.
- Lum, John C., Union, and G. W. Jernstedt, Belleville, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bright alloy plating. 2,436,316, Feb. 17.
- Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Pressure operated valve. 2,436,815, Mar. 2.
- Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Fuel atomizing nozzle. 2,439,257, Apr. 6.
- Luminous Processes, Inc., assignee: See—Kelly, Joseph A.
- Lummus Company, The, assignee: See—Davis, Hyman R.
De Cuir, Telford S.
Fahnestock, Frank C., and Ullrich.
Gadwa, Truman A.
Graae, Johan E. A.
Kniel, Ludwig.
Kniel, Ludwig, Lambert, and Treat.
Reed, Carl S.
Reed, Carl S., and Schutte.
Reed, Carl S., Schutte, and Bowles.
Schutte, August H.
Schutte, August H., and Reed.
- Lunas, Lawrence J.: See—Young, Douglass A., Lunas, and Lenehan.
- Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Clothes-washing machine having reciprocating clothes receptacle with restricted passageway. 2,439,215, Apr. 6.
- Lund, Frank M., assignor of fifty per cent to H. M. Pushker, Chicago, Ill. Trimming board. 2,435,559, Feb. 3.
- Lund, Jack, assignor to Dorman & Smith Limited, Salford, England. Electric plug and socket connection. 2,453,579, Nov. 9.
- Lund, Ole B., Havre, Mont. Refrigeration system using gas for defrosting. 2,451,682, Oct. 19.
- Lund, Werner J., Staples, Minn. Hand operated abrading and polishing tool. 2,437,827, Mar. 16.

- Lund, Willard S.: *See*—
Werner, Leo C., and Lund.
- Lundbeck, H., & Co., Kemisk Pharmaceutisk Laboratorium A/S, assignee: *See*—
Hubner, Oluf.
- Lundberg, John E., assignor to Weber-Knapp Company, Jamestown, N. Y. Lid support. 2,442,955, June 8.
- Lundberg, John E., Marblehead, Mass., assignor to General Electric Company. Directional gyro. 2,451,230, Oct. 12.
- Lundeen, Carl V., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Engraving apparatus. 2,433,813, Mar. 30.
- Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Pipe tong support. 2,435,972, Feb. 17.
- Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Well pipe elevator. 2,449,559, Sept. 21.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Valve gear. 2,439,175, Apr. 6.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Thrust balancing means. 2,444,659, July 6.
- Lundqvist, Bengt J.: *See*—
Löfgren, Nils M., and Lundqvist.
- Lundsten, Everett H., assignor to J. & L. Tool & Findings Co., Attleboro, Mass. Bracelet hinge. 2,456,969, Dec. 21.
- Lundstrom, Ernest A.: *See*—
Karlsson, Per H., and Lundstrom.
- Lundy, Beverly A., assignor to Railroad Accessories Corporation, New York, N. Y. Connector. 2,443,509, June 15.
- Lung, Kenneth R., assignor to Flint & Walling Manufacturing Co. Inc., Kendallville, Ind. Injector-impeller pump. 2,457,388, Dec. 28.
- Lunney, Edward J., Dayton, Ohio. Instrument for measuring the slopes of a curve. 2,445,792, July 27.
- Luper, Harvey R., Portsmouth, Va. Tire pressure switch. 2,445,959, July 27.
- Lupish, Walter: *See*—
Long, John H., and Lupish.
- Lupo, Beatrice, New York, N. Y. Protector. 2,435,688, Feb. 10.
- Luppino, Vincent J., Hartford, Conn. Concrete form water bracket. 2,452,203, Oct. 26.
- Lupton, McSherry, Winchester, Va. Endless conveyer for fruit grading machines. 2,449,611, Sept. 21.
- Lurcott, Winfred N., Elizabeth, N. J., assignor to L. J. Wing Mfg. Co., New York, N. Y. Resistance welding apparatus and jig therefor. 2,454,190, Nov. 16.
- Luscri, Joseph P., Cleveland, Ohio. Swab for the removal of fingernail polish. 2,442,051, May 25.
- Lusk, Albert F., Pontiac, Mich. V-belt drive pulley. 2,453,580, Nov. 9.
- Lussardi, John P. J., Roebuck, assignor to Andrews Company, Spartanburg, S. C. Dent for weaving reeds. 2,434,114, Jan. 6.
- Lustig, Bernard: *See*—
Michaels, Edwin B., and Lustig.
- Lustig, Walter R.: *See*—
Schofield, Earl L., and Lustig.
- Luten, Daniel B., Jr.: *See*—
De Benedictis, Aldo, and Luten.
- Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of mixtures of alkyl phenols through selective alkylation. 2,435,087, Jan. 27.
- Luteran, Frank D., Dearborn, Mich. Piece cutting machine. 2,445,488, July 20.
- Lutey, William J., Seattle, Wash. Shoe sole. 2,434,770, Jan. 20.
- Lutey, William J., Seattle, Wash. Milk bottle carrier. 2,440,902, May 4.
- Luther, Aloysius B., Dayton, Ohio. Magnetic chuck adapter. 2,442,136, May 25.
- Luther, Julius A., Cincinnati, Ohio. Belt connector. 2,450,519, Oct. 5.
- Luthy, Max, Ridgewood, and W. S. Gump, Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. Making bis-(3,5,6-trichloro-2-hydroxyphenyl) methane. 2,435,593, Feb. 10.
- Lutins, Edward S., Bronx, N. Y., assignor of one-half to H. Soskin, Paterson, N. J. Whistling toy rocket projectile. 2,443,395, June 15.
- Lutjen, Martin, Hoboken, N. J. Gas turbine. 2,444,742, July 6.
- Luttich, Richard: *See*—
Bockman, Carl F., and Luttich.
- Lutz, Alfred L., assignee: *See*—
Lorenz-Risler, Louise.
- Lutz, August: *See*—
Scott, William W., and Lutz.
- Lutz, Frederick G., Moorestown, N. J., and C. P. O'Rourke, Sharon Hill, Pa. Clip for attaching decorations and medals. 2,457,164, Dec. 28.
- Lutz, Harmer K., assignee: *See*—
Lowe, John C.
- Lux Company, Inc., The, assignee: *See*—
Lux, Edward F.
- Lux, Edward F., assignor to The Lux Company, Inc., Elkhart, Ind. Retainer for mop wringer plates. 2,442,467, June 1.
- Luxene Inc., assignee: *See*—
Galley, Charles E.
- Luxor Corporation, assignee: *See*—
Jones, George M.
- Lyall, John D., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Machine for forming articles from a liquid slurry. 2,450,900, Oct. 12.
- Lyall, John D., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Treating liquid slurries to separate fibers from heavier particles. 2,450,901, Oct. 12.
- Lybarger, Samuel F., Pittsburgh, assignor to E. A. Myers & Sons, Mount Lebanon, Pittsburgh, Pa., a partnership consisting of E. A. Myers, E. J. Myers, and S. F. Lybarger. Hearing aid. 2,444,302, June 29.
- Lycan, William H., and H. L. Gerhart, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Copolymerization process. 2,443,044, June 8.
- Lyche, Byvind, Goteborg, Sweden. Plate shearing machine. 2,443,685, June 22.
- Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Press. 2,449,133, Sept. 14.
- Lykken, Henry G. and W. H., Minneapolis, Minn. Pulverizing and classifying machine having a rotor comprising superimposed sections. 2,400,285, Apr. 27.
- Lykken, Henry G. and W. H., Minneapolis, Minn. Disintegrator and vortical classifier for solids. 2,448,038, Aug. 31.
- Lykken, William H.: *See*—
Lykken, Henry G. and W. H.
- Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Amber glass and batch composition for making same. 2,443,142, June 8.
- Lyle, Jack B., Paterson, N. J. Guide for running flexible material. 2,442,817, June 8.
- Lyman, Joseph, Huntington, N. Y., assignor to The Sperry Corporation. Tridimensional radio direction indicator. 2,440,777, May 4.
- Lyman, William E., Greenwich, N. Y. Strainer. 2,442,818, June 8.
- Lynam, John E.: *See*—
Wilders, George, and Lynam.
- Lynam, John E., Mapperley, and P. G. McCarthy, Whitwick, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight bar knitting machine. 2,442,090, May 25.
- Lynch, Clarence S., Arlington, Va. Beverage container and dispensing device. 2,450,244, Sept. 28.
- Lynch, Frank W., San Francisco, and T. Castberg, Berkeley, assignors to themselves and H. Sharon, jointly, San Francisco, Calif. Compressor. 2,440,865, May 4.
- Lynch, John J., assignee: *See*—
Hurley, Earl H.
- Lynch, Kathryn L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Aspartic acid esters and their preparation. 2,438,091, Mar. 16.
- Lynch, Kathryn L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. N-sulfodi-carboxylic acid aspartates. 2,438,092, Mar. 16.
- Lynch Package Machinery Corporation, assignee: *See*—
Sandberg, Oscar.
- Lynch, Ralph D., Los Angeles, Calif. Cigarette holder. 2,448,105, Aug. 31.
- Lynch, William F.: *See*—
Matthews, Irving C., and Lynch.
- Lyne, Joe A.: *See*—
Dake, George B., and Lyne.
- Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making slip-lasted shoes. 2,451,570, Oct. 19.
- Lynn, Clarence, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shunted brush. 2,438,015, Mar. 16.
- Lynn, George E.: *See*—
Fitzgerald, Charles D., and Lynn.
- Lynn, Julia M., assignee, et al.: *See*—
Harasta, Clarence J.
- Lynn, Lawrence B.: *See*—
Hanna, Clinton R., and Lynn.
- Lynn, Lawrence S., Jr., St. Louis, Mo., and E. L. Shirley, East St. Louis, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Making alkali metal aluminate. 2,442,137, May 25.
- Lynn, Robert M., assignee, et al.: *See*—
Harasta, Clarence J.
- Lynn, William E., Bristol, Pa. Vehicle-arresting apparatus. 2,448,039, Aug. 31.
- Lynnwood Laboratories, Inc., assignee: *See*—
Shapiro, Carl L.
- Lyon, Alfred L., Eastport, Maine; Z. A. Lyon, R. C. Emery and C. C. Norton, executors of said A. L. Lyon, assignors to Z. A. Lyon, R. C. Emery and C. C. Norton, Eastport, Maine, co-trustees. Smokehouse for fish and other food-stuff. 2,452,016, Oct. 19.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,433,854, Jan. 6.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,433,855, Jan. 6.
- Lyon, George A., Allenhurst, N. J. Vehicle wheel cover. 2,434,940, Jan. 27.

- Lyon, George A., Allenhurst, N. J. Vehicle wheel cover. 2,435,045, Jan. 27.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,440,638, Apr. 27.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,440,804, May 4.
- Lyon, George A., Allenhurst, N. J., assignor to Lyon, Incorporated, Detroit, Mich. Plastic tire cover. 2,440,805, May 4.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,443,625, June 22.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,443,626, June 22.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,443,627, June 22.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,444,051, June 29.
- Lyon, George A., Allenhurst, N. J. Wheel trim ring. 2,444,052, June 29.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,444,053, June 29.
- Lyon, George A., Allenhurst, N. J. Wheel hubcap. 2,444,054, June 29.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,445,330, July 20.
- Lyon, George A., Allenhurst, N. J. Trim ring for vehicle wheels. 2,447,021, Aug. 17.
- Lyon, George A., Allenhurst, N. J. Plastic forming apparatus and method. 2,447,415, Aug. 17.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,447,515, Aug. 24.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,447,516, Aug. 24.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,448,536, Sept. 7.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,448,537, Sept. 7.
- Lyon, Incorporated, assignee: *See—*
Lyon, George A.
- Lyon, Joseph P., Jr., Phillips, Tex., assignor to Phillips Petroleum Company. Production of mercaptans. 2,435,545, Feb. 3.
- Lyon, Priscilla: *See—*
Ayers, George W., and Lyon.
- Lyon-Raymond Corporation: *See—*
House, William C.
- Lyon, Zelma A., assignee, executor, co-trustee, et al.: *See—*
Lyon, Alfred L.
- Lyons, Barney J., Nashville, Tenn. Valve. 2,446,139, July 27.
- Lyons, Daniel J., Martinez, A. Lazar, Berkeley, and L. L. Ingraham, Los Angeles, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Alkylation of aromatic hydrocarbons with sulfuric acid catalyst avoiding sulfonation of product. 2,437,828, Mar. 16.
- Lyons, Lee J., Webster Groves, Mo. Apparatus for forming axle bearings. 2,437,107, Mar. 2.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill and P. H. Batten, as trustees. Yieldable drive for rotors. 2,441,771, May 18.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Supercharging system for internal-combustion engines. 2,444,456, July 6.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary screw wheel device. 2,457,314, Dec. 28.
- Lytle, Lawrence D.: *See—*
Cullinan, John F., and Lytle.
- Lytle, Lawrence D., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Gray vat dyes-stuffs and method of making the same. 2,456,589, Dec. 14.
- M & C Conveyors, Inc., assignee: *See—*
Campbell, Willard S.
- M and M Woodworking Company, assignee: *See—*
Cone, Charles N.
- M. P. P. (Products) Limited, assignee: *See—*
Willetts, Arthur K., and Rendle.
- M. S. Aviation Company, assignee: *See—*
Gustafson, Wayne A., and Schneider.
- Maack, Henry W.: *See—*
Eckman, Harry A., and Maack.
- Maag, Otto, Zug, Switzerland, assignor to Landis & Gyr A. G. Control system. 2,442,819, June 8.
- Maag-Zahnrad und-Maschinen Aktiengesellschaft, assignee: *See—*
Aeppli, Albert.
- Maas, Mabel L.: *See—*
Barcroft, William G., and Maas.
- Maatman, Egbert J., and C. J. W. Clasen, assignors to American Steel Foundries, Chicago, Ill. Ride control truck. 2,434,858, Jan. 20.
- Mabey, Charles A., Woodbury, assignor to The Bristol Company, Waterbury, Conn. Wet bulb for hygrometric measurement. 2,435,632, Feb. 10.
- Mabli, Victor F., Tarrytown, N. Y. Twine moistening and dispensing device. 2,440,179, Apr. 20.
- Mabor Company, Inc., assignee: *See—*
Boss, Marcel C.
- MacArthur, John S., Scottsville, N. Y. Arch supporting device. 2,457,481, Dec. 28.
- MacAuley, Robert I., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Voltage gain control device. 2,443,864, June 22.
- MacBain, Donald K.: *See—*
Edwards, Miles L., MacBain, and Johnson.
- MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Frequency doubling transformer. 2,446,939, Aug. 10.
- MacClatchie, John W., Los Angeles, Calif. Gripping means for removing trees. 2,440,180, Apr. 20.
- MacClatchie, John W., Los Angeles, Calif. Pump piston. 2,443,110, June 8.
- MacCloskey, Ruth H., Corvallis, Oreg. Garment. 2,446,482, Aug. 3.
- MacCormack, John G.: *See—*
Gardner, Arthur A., and MacCormack.
- MacCorquodale, Donald W.: *See—*
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
- MacBride, Paul O., assignee: *See—*
Sherbrook, Victor A.
- Macdonald, Angus A., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,454,191, Nov. 16.
- Macdonald, Angus A., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,456,970, Dec. 21.
- MacDonald, Archibald A., Boston, Mass. Clamping device. 2,442,701, June 1.
- MacDonald, Frank J.: *See—*
Olson, Frederick F., and MacDonald.
- MacDonald, George A., Los Angeles, Calif. Fountain inkwell. 2,447,193, Aug. 17.
- MacDonald, H. F., assignee, et al.: *See—*
MacDonald, Harry F., and Askers.
- MacDonald, Harry F., and W. N. Askers, assignors to H. F. and J. C. MacDonald, Spokane, Wash. Electric circulating heater. 2,438,670, Mar. 30.
- MacDonald, J. C., assignee, et al.: *See—*
MacDonald, Harry F., and Askers.
- MacDonald, James E., Latrobe, Pa. Checkerwork for furnaces. 2,438,814, Mar. 30.
- Macdonald, Kenneth W., Winchester, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe support. 2,456,135, Dec. 14.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for launching rockets from airplanes. 2,440,723, May 4.
- MacDonald, William D.: *See—*
Arnold, Ralph J., MacDonald, and Collins.
- MacDougall, Keith K., Chambley Canton, Quebec, and J. A. Labash, Hamilton, Ontario, Canada, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Soldering flux. 2,440,592, Apr. 27.
- MacDowell, Louis G., Lakeland, and E. L. Moore and C. D. Atkins, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Preparing full-flavored fruit juice concentrates. 2,453,109, Nov. 9.
- Mace, Harry W., Glendale, and B. H. Chamberlain, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Igniting propellant in rocket motors. 2,455,015, Nov. 30.
- Mace, John A., Tampa, Fla. Flexible cigarette case with reinforcing means. 2,438,408, Mar. 23.
- MacFarland, Jay W., Jr., U. S. Navy. Aircraft. 2,437,700, Mar. 16.
- Macfarlane, James W. and W. I. Glasgow, Scotland. Cross-field generator. 2,438,567, Mar. 30.
- MacFarlane, Richard J., Springfield, Mass., and H. E. Kershaw, Hartford, Conn. Cartridge belt link guide. 2,444,936, July 13.
- Macfarlane, William I.: *See—*
Macfarlane, James W. and W. I.
- MacGeorge, William D.: *See—*
Crowley, John A., Jr., and MacGeorge.
- MacGeorge, William D., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Rate of loading control for materials testing machines. 2,445,682, July 20.
- MacGeorge, William D., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Apparatus for effecting a predetermined rate of specimen strain. 2,445,683, July 20.
- MacGeorge, William D., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Motion recording apparatus. 2,451,757, Oct. 19.
- MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Dyeing of textile fibers containing nitrogen. 2,448,448, Aug. 31.
- MacGregor, Robert A., Olney, Ill. Engine mounting and drive wheel suspension for motorcycles. 2,455,431, Dec. 7.
- Machado, Anthony B., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Latch operated positive clutch mechanism. 2,436,112, Feb. 17.
- Machin, Donald W., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Loading device attachment for tractors. 2,436,723, Feb. 24.

- Machinefabriek Reineveld N. V., assignee: *See*—
Van Riel, Pieter.
- Machlet, George A. F., Elizabeth, N. J. Electronic measuring and control apparatus. 2,434,941, Jan. 27.
- Machlett Laboratories Incorporated, assignee: *See*—
Rogers, Thomas H., and Fengler.
- Skehan, Joseph W.
- Machlis, Samuel: *See*—
Eisenberger, Sidney, and Machlis.
- Maciejowski, John J.: *See*—
Reinhold, Frank W., and Maciejowski.
- Maciejowski, John J., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanism for retarding the rate of fire of automatic firearms. 2,434,326, Jan. 13.
- MacInnes, Donald, New York, N. Y. Electrical cable connector. 2,446,542, Aug. 10.
- Macintyre, John R., South Peabody, Mass., assignor to General Electric Company. Range timer. 2,450,287, Sept. 28.
- Macip, Luis G., Barcelona, Spain. Folding carriage for children. 2,447,705, Aug. 24.
- MacIver, Charles P.: *See*—
Beckwith, Edwin L., and MacIver.
- Mack Manufacturing Corporation, assignee: *See*—
Benning, Walter F.
- Heiney, John W.
- Mack, Rudolph A.: *See*—
Zapart, Bruno J., and Mack.
- Mack, Wayne E., Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Traction device. 2,443,319, June 15.
- Mackall, Henry H., Paramus, N. J. Axially rotating reciprocating piston pump. 2,447,416, Aug. 17.
- Mackay Radio and Telegraph Company, assignee: *See*—
Alford, Andrew.
- MacKendrick, John N., assignor to Clark Bros. Co., Inc., Olean, N. Y. Engine and pump unit. 2,442,468, June 1.
- MacKenzie, Charles A., Upper Montclair, and J. B. Rust, Montclair, assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Copolymers of tetraallylsilane. 2,438,612, Mar. 30.
- MacKenzie, Dorothy E., assignee: *See*—
Wolfe, George H.
- MacKenzie, Neil M., and M. E. Nestler, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing wool with azo dye chrome complexes and chromic salts. 2,434,173, Jan. 6.
- Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Wide-band high-frequency transformer. 2,441,116, May 4.
- Mackey, George W., assignor of fifty per cent to S. S. Hogan, St. Louis, Mo. Insulation cutting tool. 2,456,882, Dec. 21.
- Mackie-Lovejoy Manufacturing Company, assignee: *See*—
Renner, William M.
- Mackin, Henry J., Kankakee, Ill. Box construction. 2,435,838, Feb. 10.
- MacKinnon, John C., Wellesley, and W. R. Hickler, Winthrop, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Aircraft structural material and making the same. 2,456,005, Dec. 14.
- Mackmann, Arthur, assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Motor reducer unit. 2,436,930, Mar. 2.
- Mackmann, Arthur, Chicago, Ill. Universal coupling. 2,439,479, Apr. 13.
- MacLaurin, Robert D., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Textile product and process. 2,436,219, Feb. 17.
- MacLay, William A., Windsor, Ontario, Canada. Top cylinder oiler for internal-combustion engines. 2,457,389, Dec. 28.
- MacLay, William D.: *See*—
Owens, Harry W., and MacLay.
- McCready, Roland M., Owens, and MacLay.
- MacLay, William D., Berkeley, and A. D. Shepherd, El Cerrito, and R. M. McCready, Berkeley, and R. P. Graham, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Production of low-methoxyl pectinic acids from aluminum-pectin compositions. 2,457,577, Dec. 28.
- MacLean, Alexander F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing melamine. 2,442,729, June 1.
- MacLean, John A., Jr., Winnetka, Ill., and B. F. Money, Tulsa, Okla., assignors to McLean-Fogg Lock Nut Company, Chicago, Ill. Cotter key. 2,439,778, Apr. 13.
- MacLean, John B., and M. E. Schlenker, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y. Bomb fuse. 2,449,170, Sept. 14.
- MacLeod, Donald K., assignor to United Steel Fabricators, Inc., Wooster, Ohio. Metal door and panel construction. 2,451,396, Oct. 12.
- MacLeod, Douglas W., Ansonia, and R. H. Perkins, Milford, assignors to Farrel-Birmingham Company, Inc., Ansonia, Conn. Indicator for rubber mixers or the like. 2,446,657, Aug. 10.
- Maclochlan, Allan, assignee: *See*—
Walker, Stanley W.
- MacMahon, James D.: *See*—
Vincent, George P., MacMahon, and Synan.
- MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,435,453, Feb. 3.
- MacMahon, James D., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Detergent briquette. 2,444,836, July 6.
- MacMahon, James D., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Detergent briquette. 2,444,837, July 6.
- MacManus, John, Yonkers, assignor to Cushman's Sons, Inc., New York, N. Y. Apparatus for handling bread. 2,445,884, July 27.
- MacMaster, Malcolm D., Woodside, Pa., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service display and storage case. 2,447,760, Aug. 24.
- MacMaster, Malcolm D., Yardley, Pa., assignor to C. V. Hill & Company, Inc. Open top access refrigerated display case. 2,447,759, Aug. 24.
- MacMasters, Majel M., and G. E. Hilbert, Peoria, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Food products and making them. 2,442,928, June 8.
- MacMechan, Thomas S., assignor to Midgette Toy Company, Sharon, Mass. Toy moving picture projector. 2,452,776, Nov. 2.
- MacMillin, Howard F., W. Ernst, and G. A. Waldie, Mount Gilead, Ohio, assignors to H-P-M Development Corporation. Method and apparatus for plastic injection. 2,436,999, Mar. 2.
- MacMillin, Howard F., and G. A. Waldie, Mount Gilead, Ohio, assignors to H-P-M Development Corporation. Method of injection molding. 2,448,676, Sept. 7.
- Macnamara, Harold C., Minneapolis, Minn. Push-button stepping switch. 2,451,105, Oct. 12.
- MacNeil, Charles S. J.: *See*—
Blandhard, Werner J., and MacNeil.
- MacNeill, George L., Pennside, Pa. Strainer. 2,447,952, Aug. 24.
- MacNeill, John B., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,456,971, Dec. 21.
- MacNeille, Stephen M., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Flicker photometers, particularly for measuring the contrast of a lens. 2,450,761, Oct. 5.
- MacNichol, Edward F., Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical apparatus. 2,443,794, June 22.
- Macomber, Stanley, North Canton, Ohio. Floor tile and joist construction. 2,440,053, Apr. 20.
- Macomber, Stanley, North Canton, Ohio. Roof truss. 2,457,056, Dec. 21.
- Macomber, Stanley, North Canton, Ohio. Tubular section structural member. 2,457,250, Dec. 28.
- MacPherson, Donald R., University Heights, assignor to The Master Builders Company, Cleveland, Ohio. Hydraulic cement composition. 2,435,594, Feb. 10.
- MacPherson, Duncan J., South Lancaster, P. A. Lefebvre, Cornwall, and W. Escott, Lancaster, Ontario, Canada. Connector. 2,444,459, July 6.
- Macpherson, John H., Jr.: *See*—
Eldredge, Kenneth R., Hundere, and Macpherson.
- MacPhillamy, Harold B.: *See*—
Rake, Geoffrey W., Wintersteiner, MacPhillamy, and McKee.
- MacRill, John R., Ontario, and R. A. Baum, Claremont, assignors to Fernstrom Paper Mills, Inc., Pomona, Calif. Citrus wrapper. 2,443,795, June 22.
- Macro, Henry A., Sheridan, N. Y. Seedling planting device. 2,448,899, Sept. 7.
- Macro, Samuel, Colne, England. Loom shuttle swell. 2,447,761, Aug. 24.
- MacTaggart, Arthur B., Toledo, and G. J. Thomson, assignors to Rusta Restor Corporation, Fremont, Ohio. Method of and means for providing cathodic protection of metallic structures. 2,435,973, Feb. 17.
- Macuga, Stephen J., Lansdowne, F. G. Ciapetta, Drexel Hill, and R. G. Heiligmann, Yeadon, assignors to The Atlantic Refining Company, Philadelphia, Pa. Organic cation exchange adsorbents prepared from spent alkylated sulfuric acid or similar material. 2,447,762, Aug. 24.
- MacWilliam, Wallace, Lae Valhalla, assignor to Resistoflex Corporation, Belleville, N. J. Fitting for flexible hose. 2,453,997, Nov. 16.
- Macy, James C., New Cumberland, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,450,050, Sept. 28.
- Macy, James C., New Cumberland, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,450,202, Sept. 28.
- Madden, Frank J., trustees et al.: *See*—
Kraybill, Henry R., and Beadle.
- Madden, Harry D., deceased, late of South Orange, N. J.; by Fidelity Union Trust Company, executor, Newark, and J. W. Greenbowe, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Base structure for electron discharge tubes. 2,451,847, Oct. 19.
- Madden, Ira C., Detroit, Mich. Self-taught educational clock. 2,443,468, June 15.

- Maddock, Alan J., assignor to Standard Telephones and Cables Limited, London, England. Multiple stage thermionic valve. 2,450,009, Sept. 28.
- Maddox, Norval R., Owingsville, Ky. Safety inner tube for pneumatic tires. 2,440,107, Apr. 20.
- Maddux, Duane C., assignee: *See*—
Weller, Clair B.
- Maddux, Gerald W., Huntington, W. Va. Strainer cap. 2,450,520, Oct. 5.
- Madigan, William A., Barberton, Ohio, assignor to The Diamond Match Company, New York, N. Y. Printing plate and base mount therefor. 2,455,075, Nov. 30.
- Madison, Arthur F., assignor to Bower Roller Bearing Company, Detroit, Mich. Centerless grinding machine attachment. 2,440,148, Apr. 20.
- Madison, Harry, Fullerton, Calif. Tire chain linkage. 2,438,248, Mar. 23.
- Madison-Kipp Corporation, assignee: *See*—
Korsmo, Torbjorn C.
- Madison, Knowles K.: *See*—
Elliott, Daniel R., and Madison.
- Madison, Martin J., Oteen, N. C. Chocks for aircraft and other vehicles. 2,437,108, Mar. 2.
- Madison, Ralph E., assignor to Truscon Laboratories, Inc., Detroit, Mich. Liquid compositions for curing concrete. 2,441,826, May 18.
- Madore, Joseph A. E., Montreal, Quebec, Canada. Draft connector. 2,453,998, Nov. 16.
- Madorsky, Samuel L.: *See*—
Brewer, Aubrey K., and Madorsky.
- Madsen, Alvin R., Rupert, assignor of one-half to R. E. Messler, Boise, Idaho. Signal and danger flag. 2,447,075, Aug. 17.
- Madsen, Carl W., deceased, Magna, by D. H. Madsen, administratrix, West Jordan, Utah, assignor by decree of distribution to D. H. Madsen. Oiling. 2,443,143, June 8.
- Madsen, Dora H., administratrix: *See*—
Madsen, Carl W.
- Maechtle, Lawrence G., San Marino, and H. A. Duvall and C. G. Esler, Los Angeles, Calif., assignors to Square D Company, Detroit, Mich. Pipe joint. 2,445,358, July 20.
- Maeder, Henry G., Jr., Belmont, and M. R. Day, North Scituate, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Container closure. 2,456,972, Dec. 21.
- Magaw, Ronald R., Canton, and K. H. Miller, North Canton, assignors to Diebold, Incorporated, Canton, Ohio. Door frame. 2,450,673, Oct. 5.
- Magder, Jesse, Toronto, Ontario, Canada. Ski pole. 2,456,205, Dec. 14.
- Magealson, Harry G., Kokomo, Ind. Single contact dial indicator. 2,455,076, Nov. 30.
- Magee, Edward B., assignor to Port Colborne Iron Works Limited, Port Colborne, Ontario, Canada. Fair-lead for cables, ropes, and the like. 2,436,894, Mar. 2.
- Magee, Joseph W., Arlington, Va. Chemical testing device. 2,434,942, Jan. 27.
- Mageoch, Harry Y., Upper Darby, Pa., assignor to Lear Incorporated, Piqua, Ohio. Forming screw threads. 2,441,580, May 18.
- Mages, Morris L., and G. W. Coon, assignors to Magnaflex Corporation, Chicago, Ill. Magnetic field gauge. 2,447,911, Aug. 24.
- Maggiacom, Chauncey N., U. S. Army, Poughkeepsie, N. Y. Wire-winding device. 2,455,377, Dec. 7.
- Maggio, John B., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube with discharge to deflecting plates. 2,436,393, Feb. 24.
- Maggs, Arthur H.: *See*—
Choudhury, Shafi-Uddin A., Clar, and Maggs.
- Maglaughlin, Joseph W., Pittsburgh, Pa. Evaporating and drying apparatus. 2,440,778, May 4.
- Magnaflex Corporation, assignee: *See*—
De Forest, Taber.
Coon, Grant W.
Mages, Morris L., and Coon.
- Magnani, Arthur: *See*—
Julian, Percy L., Cole, Magnani, and Conde.
Julian, Percy L., Cole, Magnani, and Meyer.
- Magnavox Company, The, assignee: *See*—
Fridham, Edwin S.
- Magnesen, Charles D., Chicago, Ill. Reusable tamper proof sealed closure. 2,447,076, Aug. 17.
- Magnesi, Joseph A., Pittsburg, Calif. Egg separator. 2,434,046, Jan. 6.
- Magnesium Elektron Limited, assignee: *See*—
Ball, Charles J. F., Jessup, Emley, and Wilson.
Emley, Edward F.
- Magnetic Analysis Corporation, assignee: *See*—
Price, Osborne I.
Zuschlag, Theodor.
- Magnetic Devices, Inc., assignee: *See*—
Price, Osborne I.
- Magnetic Products Corporation, assignee: *See*—
Dedek, Frank.
- Magnetron, Inc., assignee: *See*—
Begun, Semi J.
- Magnus, Elmer G.: *See*—
Wagner, Harold H., and Magnus.
- Magnus, Oscar F., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Snubbed trailing setting switch stand. 2,449,239, Sept. 14.
- Magnusson, Folke G. R., Stockholm, and G. V. Oholm, Nockeby, Sweden. Apparatus for treating granular materials. 2,437,395, Mar. 9.
- Magoun, Carleton M.: *See*—
Putman, Robert D., and Magoun.
- Magruder, Peyton M., Baltimore, and W. W. Bender, Jr., Towson, assignors to The Glenn L. Martin Company, Middle River, Md. Strain gauge center of gravity and gross weight meter. 2,443,045, June 8.
- Maguire, Bernard G., Kansas City, Mo., assignor to Phillips Petroleum Company. Quenching fluids. 2,442,898, June 8.
- Maguire Industries, Incorporated, assignee: *See*—
Gould, Leslie A.
- Maguire, Jack H., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Lubricant for drills and cutting tools. 2,443,357, June 29.
- Mahan, John E.: *See*—
Schulze, Walter A., and Mahan.
- Mahar, James F.: *See*—
Tamele, Miroslav W., Irvine, and Mahar.
- Maharg, Earl: *See*—
Kimball, Marston H.
- Maher, William W., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Ratchet motor control mechanism. 2,452,585, Nov. 2.
- Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.
Handwerk, Erwin C., Mahler, and Haupt.
- Mahler, George T., Palmerton, and E. C. Handwerk, Lehigh, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,550, Dec. 28.
- Mahler, Joseph: *See*—
Land, Edwin H., Mahler, and Hyman.
- Mahnke, Kurt: *See*—
Schaelchlin, Walter, and Mahnke.
- Mahnke, Kurt, Forest Hills, and J. W. York, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for variable-speed alternating-current motors. 2,448,040, Aug. 31.
- Mahon, Bently L., Grand Prairie, Tex. Air pressure stage lift. 2,446,940, Aug. 10.
- Mahoney, Charles H., H. C. Lee, A. L. Tarr, and P. E. Le Grand, Boulder City, Nev., assignors, by mesne assignments, to Reconstruction Finance Corporation. Grain refining magnesium alloys. 2,436,520, Feb. 24.
- Mahoney, Charles H., H. C. Lee, A. L. Tarr, and P. E. Le Grand, Boulder City, Nev., assignors, by mesne assignments, to Reconstruction Finance Corporation. Grain refining magnesium alloys. 2,448,993, Sept. 7.
- Mahoney, John F., Westfield, and H. H. Bassford, Jr., Garwood, assignors to Merck & Co., Inc., Rahway, N. J. Treating diacetone sorbose and monoacetone sorbose. 2,437,858, Mar. 16.
- Mahoney, Ruth M., Santa Monica, Calif. Maternity garment. 2,454,287, Nov. 23.
- Mahren, Arthur, Long Island City, N. Y., assignor to Federal Telephone and Radio Corporation, East Newark, N. J. Testing cables. 2,438,932, Apr. 6.
- Maico Company, Incorporated, The, assignee: *See*—
Bircher, Clifford M.
Watson, Leland A., and Heijn.
- Maier, Curtis E., Elmhurst, and J. D. Green, Chicago, Ill., assignors to Continental Can Company, Incorporated, New York, N. Y. Purified plasticized wax and preparing the same. 2,441,202, May 11.
- Mailander, Joseph F.: *See*—
Nader, Joseph, and Mailander.
- Maiman Company, Incorporated, assignee: *See*—
Banger, William.
- Main, Benjamin A., Jr., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Self-sealing coupling. 2,451,441, Oct. 12.
- Main, Benjamin A., Jr., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Quick connect self-sealing coupling. 2,457,251, Dec. 28.
- Main, David W., Denver, Colo. Airplane propeller. 2,436,113, Feb. 17.
- Main, Donald W., assignor to Aeroquip Corporation, Jackson, Mich. Valve. 2,444,137, June 29.
- Mainwold, David, Brooklyn, N. Y. Fur curler. 2,445,444, July 20.
- Maiorana, Santa, St. Albans, Long Island, N. Y. Brassiere. 2,441,667, May 18.
- Maisch, George, Sea Cliff, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Photoelectric exposure meter. 2,450,288, Sept. 28.
- Maizel, Ben, and I. Gerson, assignors to Vico Products Company, Chicago, Ill. Preparing phosphorilated thiamin. 2,435,750, Feb. 10.
- Majauskas, Charles J., Chicago, Ill. Ventilating and flushing apparatus for water closets. 2,449,134, Sept. 14.
- Majer, Ferdinand, assignor to H. Majer, Zurich, Switzerland. Hair cutting machine with adjustable cut regulator. 2,445,530, July 20.
- Majer, Hans, assignee: *See*—
Majer, Ferdinand.
- Majer, John R.: *See*—
Kendall, John D., Wood, and Majer.
- Majeski, Joseph, Jr., Porter, Ind. Screw driver. 2,450,734, Oct. 5.

- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Fluid pressure control device. 2,445,855, July 27.
- Majoros, Frank P.: *See*—
Katz, Julius, and Majoros.
- Majusick, Walter, assignor of one-half to E. O. Miller, Dayton, Ohio. Light socket. 2,439,480, Apr. 13.
- Makaroff, Gregory, Lanesboro, Mass. Safety type ski tow-rope grip. 2,446,710, Aug. 10.
- Makenny, William: *See*—
Whitmore, James B., Makenny, and Newcombs.
- Makenny, William, Mountainview, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Base and contact for electrical devices. 2,454,326, Nov. 23.
- Makrianes, James K., Longmeadow, Mass. Doll house. 2,441,076, May 4.
- Malcolm, Scott: *See*—
Mitchell, Percival H., and Malcolm.
- Malcolm, Wade E., Orlando, Fla. Concentrating by freezing liquid fruit juice. 2,436,218, Feb. 17.
- Malcom, Robert L., Chicago, Ill., assignor to Chicago Eye Shield Company. Adjustable headband construction. 2,437,748, Mar. 16.
- Malcom, Robert L., Chicago, Ill., assignor to Chicago Eye Shield Company. Adjustable headband construction. 2,438,409, Mar. 23.
- Maldonado, Joseph, Los Angeles, Calif. Cigarette package opener and closure. 2,435,454, Feb. 3.
- Malek, Sidney K., and M. R. Laing, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator with fluid cooling. 2,456,070, Dec. 14.
- Malerman, Nathan, Forest Hills, N. Y. Lip protector device. 2,434,078, Jan. 6.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Sheet feeding mechanism. 2,434,808, Jan. 20.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Mechanism for conveying, discharging, and assorting wrapped articles. 2,438,178, Mar. 23.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Packaging apparatus having parallel article and container carrying conveyors combined with article pusher comprising rotating spider with pivotally mounted arms. 2,440,866, May 4.
- Mallckson, Philip S., Philadelphia, Pa., assignor to Sentry Safety Control Corp. Portable electric steam radiator. 2,455,688, Dec. 7.
- Mallin, Jay B.: *See*—
Barber, Everett M., and Mallin.
- Maling, Roy, Chestnut Hill, Mass. Footwear. 2,438,321, Mar. 23.
- Maliphant, Charles W., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Choke fitting. 2,457,578, Dec. 28.
- Malkemus, John D., Allendale, J. Ross, Ramsay, and D. J. Potter, Ridgewood, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Catalyzed sulfamic acid sulfation. 2,452,943, Nov. 2.
- Mall, Arthur W.: *See*—
Gorden, Walter L., and Mall.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Cutting chain. 2,435,892, Feb. 10.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Golf club carrier. 2,435,893, Feb. 10.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Adjustable tension chain saw machine. 2,444,138, June 29.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Chain saw. 2,446,774, Aug. 10.
- Mall Tool Company, assignee: *See*—
Gorden, Walter L., and Mall.
- Mall, Arthur W.
- Mallatieu, Frank R.: *See*—
Young, Don H., and Mallatieu.
- Mallard, Logan L., Norfolk, assignor of one-half to B. M. Wolf, Norfolk County, Va. Connector. 2,439,176, Apr. 6.
- Mallard, Robert G.: *See*—
Rinne, John, and Mallard.
- Mallett, Edwin A., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding machine. 2,443,771, June 22.
- Mallett, Montville B., assignor to English Electric Company of Canada Limited, St. Catharines, Ontario, Canada. Transformer. 2,442,274, May 25.
- Mallick, Leo M., Chicago, Ill. Bottle closure. 2,437,882, Mar. 16.
- Mallina, Rudolph F.: *See*—
Bartelheim, Leland A., Lane, and Mallina.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making multiple cables for terminal banks. 2,450,974, Oct. 12.
- Mallinckrodt Chemical Works, assignee: *See*—
Homeyer, August H.
Homeyer, August H., and Splitter.
Wallingford, Vernon H., and Homeyer.
- Malling, Leonard R., San Diego, Calif., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver-transmitter system. 2,454,396, Nov. 23.
- Mallory, B. L., The, assignee: *See*—
Mallory, Bonnie L.
- Mallory, Bonnie L., Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich. Shock absorber. 2,437,749, Mar. 16.
- Mallory, Bonnie L., Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich. Door spring and check. 2,441,278, May 11.
- Mallory, Edward B., Tenafly, N. J. Waste liquor aerator. 2,438,342, Mar. 23.
- Mallory, Edward B., Tenafly, N. J. Waste purification process and apparatus. 2,457,057, Dec. 21.
- Mallory, Gerald D., assignor to Wingfoot Corporation, Akron, Ohio. Closure for an inflatable structure. 2,448,677, Sept. 7.
- Mallory, Henry R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibratory switching device for oscillographs. 2,439,050, Apr. 6.
- Mallory, John M., Endicott, N. Y. Blood pressure stethoscope. 2,445,917, July 27.
- Mallory, Marion, Detroit, Mich. Multiple piston engine, opposed, separate air and fuel supply. 2,435,361, Feb. 3.
- Mallory, Marion, Detroit, Mich. Engine governor. 2,437,883, Mar. 16.
- Mallory, Marion, Detroit, Mich. Degasser for internal combustion engines. 2,439,573, Apr. 13.
- Mallory, Marion, Detroit, Mich. Internal-combustion engine with opposed pistons. 2,442,302, May 25.
- Mallory, Marion, Detroit, Mich. Engine governor. 2,444,139, June 29.
- Mallory, Marion, Detroit, Mich. Engine cooling system temperature control. 2,445,684, July 20.
- Mallory, Marion, Detroit, Mich. Throttle control for internal-combustion engines. 2,446,711, Aug. 10.
- Mallory, Marion, Detroit, Mich. Adjustable timing control. 2,450,805, Oct. 5.
- Mallory, Marion, Detroit, Mich. Air compressing system. 2,454,073, Nov. 16.
- Mallory, Marion, Detroit, Mich. Ignition system for internal-combustion engines. 2,455,594, Dec. 7.
- Mallory, P. R., & Co., Inc., assignee: *See*—
Arvin, Marion J., and Brady.
Aust, Robert J.
Aust, Robert J., and Huetten.
Beier, Max G.
Blumenthal, Sol.
Brown, Harold J.
Dahl, Harry.
Dahl, Harry, and Huebner.
Ellis, Robert M.
Frey, Cleon F.
Hall, Harry C.
Haynes, Thomas M.
Hensel, Franz R.
Hensel, Franz R., and Larsen.
Hensel, Franz R., Larsen, and Swazy.
Huetten, Clarence.
Langer, Nicholas.
Mallory, Henry R.
Oles, Herbert E.
Rosser, Theodore N.
Slater, Ira M.
Smith, Cleveland S., Jr., and Blumenthal.
Wall, Alexander C.
West, Harold E.
Williams, Joseph S., and Binal.
- Malloy, Catherine A., executrix: *See*—
Malloy, Frank J.
- Malloy, Frank J.: *See*—
Cameron, Jarrett L., and Malloy.
- Malloy, Frank J., deceased, late of University Heights, by C. A. Malloy, executrix, University Heights, Ohio, assignor to General Electric Company. Sealing-in machine. 2,434,664, Jan. 20.
- Malloy, Richard, Columbus, Ind. Mailbox. 2,448,225, Aug. 31.
- Malm, Carl J., and G. D. Hiatt, assignors to Eastman Kodak Company, Rochester, N. Y. Enteric coatings. 2,455,790, Dec. 7.
- Malm, Frank S., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Composition comprising organic peroxide cured glycol-dicarboxylic acid polyester and red oxide of iron. 2,448,609, Sept. 7.
- Malm, Henry, New York, N. Y. Rubber glove. 2,451,758, Oct. 19.
- Malmberg, Bror V., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gear measuring device. 2,445,402, July 20.
- Malm, Elmer K., assignor to Guard-It Manufacturing Co., Chicago, Ill. Electrical fence charger. 2,455,511, Dec. 7.
- Malmgren, George V., Chicago, Ill. Mud channel structure for tray type clarifiers. 2,443,686, June 22.
- Malmros, Gustav V. A., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Acoustical wave filter for pneumatic hand tools. 2,453,240, Nov. 9.
- Malone, Homer E., and C. H. Traver, assignors to Perfex Corporation, Milwaukee, Wis. Metering valve control. 2,442,367, June 1.
- Malone, Homer F., assignor of one-half to F. D. Ross, Chicago, Ill. Toaster. 2,456,291, Dec. 14.

Malsbary Manufacturing Company, assignee: *See*—
Taylor, Walter W.

Malsom, Frank, Maplewood, N. J. Base for holding vernier calipers. 2,454,327, Nov. 23.

Maltby, Wilson R., Washington, D. C., and R. H. Park, Pluckemin, N. J. Magnetic detector. 2,436,394, Feb. 24.

Malthouse, Ernest G., Sheffield, England. Apparatus for use in erecting masonry structures. 2,438,613, Mar. 30.

Malyszko, Paul D., Portland, Oreg. Reciprocating closure for collapsible tubes with parallel guide flanges. 2,434,706, Jan. 20.

Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Cable splice joint and making same. 2,446,543, Aug. 10.

Manaster, Ben B., Chicago, Ill. Child's combination appetite-stimulating and amusement devices. 2,453,922, Nov. 16.

Manchester Repetition Engineers Limited, assignee: *See*—
Livingstone, Harry, and Rogers.

Mancia, Henri: *See*—
Megel, Guillaume E. and Mancia.

Mancuso, Frank M., Concord, Staten Island, N. Y. Detachable heel. 2,439,310, Apr. 6.

Mandelbaum, Moses J., New York, N. Y. Mattress turner. 2,445,030, July 13.

Mandoli, Henry I., San Diego, Calif. Spool lock for fishing reels. 2,448,610, Sept. 7.

Manegold, Robert L., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnet. 2,451,231, Oct. 12.

Manegold, Robert L., Shorewood, and I. H. Wynne, assignors to Dings Magnetic Separator Co., Milwaukee, Wis. Detecting tramp material. 2,446,977, Aug. 10.

Manegold, Robert L., Shorewood, and I. H. Wynne, assignors to Dings Magnetic Separator Co., Milwaukee, Wis. Art of sintering ores. 2,456,136, Dec. 14.

Maney, Robert M., Oklahoma City, Okla. Cigarette extinguisher and ash tray. 2,453,026, Nov. 2.

Manfredi, Frank A., Gary, Ind. Mechanical walking animal. 2,450,674, Oct. 5.

Mangan, Dave, assignee: *See*—
Sonnenberg, Milo E.

Manganese Products, Inc., assignee: *See*—
Allen, John R.

Mangold, Eli F., Chicago, Ill., assignor of one-half to H. P. Chapman, Columbus, Ohio. Socket plug for electrical outlets. 2,436,586, Feb. 24.

Mangold, Eli F., London, assignor of one-half to H. P. Chapman, Columbus, Ohio. Portable milk-pasteurizing apparatus. 2,436,585, Feb. 24.

Mangold, Jacob A., Lebanon, Oreg. Folding camp stool. 2,445,489, July 20.

Manhard, William E., Picton, Ontario, Canada. Panel and connecting means therefor. 2,435,286, Feb. 3.

Manhattan Company, President and Directors of the, assignee, trustee: *See*—
Brogden, Ernest M. and R. R.

Maniglia, Giuseppe, New York, N. Y. Hair brushing device. 2,447,953, Aug. 24.

Manildi, Joseph F.: *See*—
Giannini, Gabriel M., and Manildi.

Manis, George H.: *See*—
Watrous, Floyd L., and Manis.

Manitowoc Ship Building Company, assignee: *See*—
Cram, Hervey G.

Manjoine, Michael J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing apparatus for determining the mechanical behavior of metals under test. 2,436,317, Feb. 17.

Mank, Raymond A., Pittsburgh, Pa. Tire chain. 2,444,573, July 6.

Manke, George H., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Strain insulator. 2,441,709, May 18.

Manker, Clarence M., assignee: *See*—
Dolk, Harold G.

Mankin, Arthur H., assignor to Philco Corporation, Philadelphia, Pa. Corona shield. 2,434,572, Jan. 13.

Manley, Jack M., East Orange, N. J., and E. Peterson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,436,395, Feb. 24.

Manley, Jesse G., Bryn Mawr, Wash. Compartment key and latch. 2,435,722, Feb. 10.

Manley, Jesse G., Bryn Mawr, Wash. Ice-cooled air circulating apparatus. 2,443,469, June 15.

Manley, Ralph H.: *See*—
Evans, Cyril D., and Manley.

Mann, Alex. Valley Stream, N. Y., and M. Bass, Perth Amboy, N. J., assignors to Breslee Mfg. Company, New York, N. Y. Pouch and making the same. 2,442,091, May 25.

Mann, Arthur S., and H. Campbell, assignors to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying table. 2,444,783, July 6.

Mann, Cecil A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for making composite strip material. 2,438,568, Mar. 30.

Mann, Estle R.: *See*—
Goldsmith, Thomas T., Jr., and Mann.

Mann, Estle R., Upper Montclair, and M. Spector, Clifton, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Stabilized modulated oscillator. 2,442,138, May 25.

Mann, Estle R., Upper Montclair, and T. T. Goldsmith, Jr., Cedar Grove Township, Essex County, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Device for selecting metal pieces. 2,448,814, Sept. 7.

Mann, Frederic R., assignee, trustee: *See*—
Apgar, Charles W., and Rosenfeld.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pumping apparatus. 2,440,611, Apr. 27.

Mann, John D., National City, Calif. Shear testing device. 2,437,750, Mar. 16.

Mann, Julius W.: *See*—
Russell, George F., and Mann.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Radio frequency parallel bonding. 2,434,573, Jan. 13.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Composite radio frequency inductance. 2,453,241, Nov. 9.

Mann, Matthew D., Jr., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Polymerization apparatus. 2,435,228, Feb. 3.

Mann, Matthew D., Jr., Roselle, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Kneader polymerization process for olefins. 2,435,229, Feb. 3.

Mannerbrink, Ivan W., and N. J. L. Sandström, Göteborg, Sweden, assignors to SKF Industries, Inc., Philadelphia, Pa. Thread checking apparatus. 2,448,106, Aug. 31.

Mannheimer, David: *See*—
Antony, Charles, Jr., and Mannheimer.

Manning, Albert H., and O. Heller, London, England; said Heller assignor to said Manning. Drying and disintegrating of gas-borne material. 2,435,927, Feb. 10.

Manning, Clarence R.: *See*—
Rubidge, David W., Manning, Greene, and Hood.

Manning, Fowler, Bronxville, assignor to Carry-Cab Corporation, New York, N. Y. Baby carriage construction. 2,450,051, Sept. 28.

Manning, Fred W., Palo Alto, Calif. Method and apparatus for the production of filaments from solids. 2,437,263, Mar. 9.

Manning, Fred W., Palo Alto, Calif. Magazine spinning gun for the production of filaments and fabrics. 2,437,264, Mar. 9.

Manning, Fred W., Palo Alto, Calif. Tampon, sanitary napkin, surgical dressing, insulating material, filter cartridge, upholstery, and the like. 2,437,265, Mar. 9.

Manning, James A., Lawrence, Mass. Pipe cleaner. 2,443,355, June 15.

Manning, Lester C., assignor to R. L. Senter, Oklahoma City, Okla. Apparatus for dehydration of oil. 2,439,177, Apr. 6.

Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Corcoran, James L.

Moore, George E.

Roper, Charles G.

Smith, Ralph E.

Smith, Ralph E., and Workman.

Turner, Jacob L.

Mannion, Gerald F.: *See*—
Weinstein, Norman, and Mannion.

Mannon, Lloyd, San Francisco, Calif. Film control for automatic shutter on moving picture projector. 2,439,691, Apr. 13.

Manoog, John C.: *See*—
Sepavich, Victor F., and Manoog.

Mansen, Fred C., San Francisco, Calif. Tachometer distributor drive. 2,443,046, June 8.

Mansfield Sanitary Pottery, Inc., assignee: *See*—
Smith, Harry F.

Mansfield, William R.: *See*—
Boughton, Willis A., Dawes, and Mansfield.

Mansfield, William W.: *See*—
De Wilde, Albert N., and Mansfield.

Manson, Harry G.: *See*—
Hansen, William L., and Manson.

Manson, Samuel S., Cleveland, Ohio. Electrical analyzer for 45° strain rosette data. 2,447,517, Aug. 24.

Mantan, Frank J., Gary, Ind. Electrical connection. 2,449,496, Sept. 14.

Mantell, Charles L., Manhasset, N. Y., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Solvent for rayon and rayon treating solution. 2,434,621, Jan. 13.

Manthie, Otto F., assignor to Leach Company, Oshkosh, Wis. Self-loading vehicle. 2,456,434, Dec. 14.

Mantle, Burr W., Pittsford, assignor to American Brake Shoe Company, New York, N. Y. Compressor system. 2,448,379, Aug. 31.

Mantle, Burr W., Pittsford, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Coupling. 2,451,683, Oct. 19.

Mantle Lamp Company of America, The, assignee: *See*—
Davis, Cortland W.

Manufacturers Machine & Tool Co., Inc., assignee: *See*—
Boecking, Ewald.

Manufacturers Trading Corporation, assignee: *See*—
Morton, William A.

Manwaring, Howard S., La Grange, Ill., assignor to International Harvester Company. Liquid filtering apparatus. 2,456,292, Dec. 14.

Mao, Yu-Yueh A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trace blanking circuit for cathode-ray oscilloscopes. 2,456,973, Dec. 21.

Mapes, Leslie A., Palisade, N. J. Extensible conveyer. 2,445,960, July 27.

- Mappin, Walter L., New Westminster, British Columbia, Canada. Collapsible umbrella. 2,443,772, June 22.
- Maquat, Lloyd E., Easton, assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Dipping machine. 2,437,109, Mar. 2.
- Marana, José M. B., Buenos Aires, Argentina. Resilient sealing disc for bottle seals. 2,438,671, Mar. 30.
- Maranville, Edna H., Wichita, Kans. Pie-cake carrier. 2,443,319, Aug. 31.
- Marathon Corporation, assignee: *See*—
Broeren, Frank L., Slye, and Krueger.
Farrell, Robert A.
Farrell, Robert A., and Wagner.
Frieders, Robert T.
Riege, Harold, and Siewert.
- Marberg, Carl M., Elmhurst, Long Island, assignor to Interchemical Corporation, New York, N. Y. Decoration of glass fabrics. 2,450,902, Oct. 12.
- Marble, Jarvis C., trustee, assignee: *See*—
Lysholm, Alf.
- Marburg, Edgar, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Sectional hot top. 2,444,838, July 6.
- Marbury, Ralph E.: *See*—
Hyde, Merritt A., and Marbury.
- Marbury, Ralph E., J. B. Owens, and W. H. Cuttino, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shunt capacitor bank. 2,447,658, Aug. 24.
- Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Critically damped capacitor. 2,454,192, Nov. 16.
- Marc, Henri M., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Manufacture of ducts. 2,434,465, Jan. 13.
- Marc, Henri M., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Composite board. 2,434,466, Jan. 13.
- Marc, Henri M., Roselawn, Ohio, assignor to The Philip Carey Manufacturing Company. Manufacture of duct turns or vanes. 2,454,074, Nov. 16.
- Marcalus, Nicholas, West Englewood, N. J. Interfolding. 2,449,663, Sept. 21.
- Marc-Aurele, Lionel A., assignor to Neo Beauty Line Company Ltd., Montreal, Quebec, Canada. Breast massaging device. 2,435,894, Feb. 10.
- Marcellus, Ada, New York, N. Y. Eyelash curler and mascara applicator. 2,444,937, July 13.
- Marcellus, Brooks, assignor to Barber-Colman Company, Rockford, Ill. Machine for winding bobbins. 2,439,519, Apr. 13.
- Marcellus, Brooks, and B. A. Peterson, assignors to Barber-Colman Company, Rockford, Ill. Method of and apparatus for operating upon warps. 2,446,544, Aug. 10.
- Marchand, Adamir, La Chaux de Fonds, Switzerland, assignor to Benrus Watch Company, Inc., New York, N. Y. Shock-absorbing device for pivots of watch balance staffs. 2,456,071, Dec. 14.
- Marchand, Adolph, Jackson Heights, N. Y. Glass-lined metal shelf wall closet. 2,439,664, Apr. 13.
- Marchand, Adolph, Jackson Heights, N. Y. Holding device for bathroom accessories. 2,440,867, May 4.
- Marchand, Jean J. M. L., The Hague, Netherlands; vested in the Attorney General of the United States. Bundle tying machine. 2,443,470, June 15.
- Marchand, Michelle, Flushing, N. Y. Illuminated ornament. 2,439,178, Apr. 6.
- Marchand, Nathan: *See*—
Busignies, Henri G., and Marchand.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rotary high-frequency switching circuit. 2,445,793, July 27.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,448,041, Aug. 31.
- Marchant Calculating Machine Company, assignee: *See*—
Avery, Harold T.
- Marchant, Fay C., assignee: *See*—
Lindsay, James G.
- Marciński, Emil J.: *See*—
Kearsley, Edward P., and Marciński.
- Marcotte, Harold D.: *See*—
Glasing, Joseph S., and Marcotte.
- Marcum, Jess L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual cavity-resonator switching system. 2,445,445, July 20.
- Marcus, Arthur P., Cleveland Heights, and F. C. Fillo, assignors to The Markepp Co., Inc., Cleveland, Ohio. Selector switch for phonograph circuit. 2,448,380, Aug. 31.
- Marcus, Meyer M., assignee, et al.: *See*—
Weiss, Solomon.
- Marcy, Grosvenor D., Newton Highlands, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Apparatus for controlling pressure bands. 2,439,779, Apr. 13.
- Mardock, Edwin S.: *See*—
Brunner, Eugene M., and Mardock.
- Marean, Browning E., Jr., Boston, Mass., and L. V. Kiehlhorn, Bradenton, Fla. Navigational instrument. 2,440,827, May 4.
- Marean, Kostandean, Dayton, Ohio. Artificial leg. 2,457,482, Dec. 28.
- Maree, A. Morgan, Jr., assignee, et al.: *See*—
Burke, James D., and Crooks.
- Marek, Leroy F.: *See*—
Fogler, Benjamin B., and Marek.
- Marek, Leroy F., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Gas treating apparatus. 2,450,289, Sept. 28.
- Marencik, William J., Parma, assignor to Thompson Products, Inc., Cleveland, Ohio. Preventing scaling during the forging of hollow metal articles. 2,436,931, Mar. 2.
- Mares, Joseph R., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Polystyrene-chlorinated meta diphenyl benzene composition. 2,454,255, Nov. 16.
- Maresco, Joseph G., Bronx, N. Y. Caster. 2,456,520, Dec. 14.
- Marette, Ralph T., and W. R. Richards, Cleveland, assignors to The Aro Equipment Corporation, Bryan, Ohio. Vapor detector. 2,445,073, July 13.
- Margolis, Joseph M.: *See*—
Froelich, Herman C., and Margolis.
- Margot, Alfred: *See*—
Martin, Henry, Gätzli, and Margot.
Martin, Henry, Gysin, and Zaeslin, and Margot.
- Margot Corporation, assignee: *See*—
Irion, Clarence E.
- Margrave, Wilton, assignor to The Parker Appliance Company, Cleveland, Ohio. Valve indexing means. 2,438,672, Mar. 30.
- Marhofer, Laurence J.: *See*—
Vidal, Eugene L., and Marhofer.
- Marhofer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Bomb carrying glider. 2,433,998, Jan. 6.
- Marhofer, Laurence J., Haddon Heights, assignor to Vidal Corporation, Camden, N. J. Wing and stabilizer structure for gliders. 2,433,999, Jan. 6.
- Marholz, Richard C., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Disengageable electrical circuit connector. 2,438,371, Mar. 23.
- Marholz, Richard C., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Radio control apparatus. 2,438,760, Mar. 30.
- Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Longitudinal actuating apparatus. 2,449,855, Sept. 21.
- Marlash, Carl, Brooklyn, N. Y. Suspender window support for washing windows. 2,457,698, Dec. 28.
- Marien, Melvin W.: *See*—
Frishy, Frank D., and Marien.
- Marihart, Leo A., Monterey County, Calif. Apparatus for use in agricultural machines. 2,433,856, Jan. 6.
- Marihart, Leo A., Monterey, Calif. Timing apparatus. 2,437,168, Mar. 2.
- Marihart, Leo A., Salinas, Calif. Plant thinning machine. 2,438,224, Mar. 23.
- Marin, Louis H., executor: *See*—
Marinsky, Davis.
- Marine Magnesium Products Corporation, assignee: *See*—
Baker, Edgar B.
Gloss, Gunter H., and Baker.
- Mariner, Thomas: *See*—
Stamm, Robert F., Mariner, Barnes, and Stryker.
- Marini, Costanzo, Leominster, Mass. Comb. 2,456,138, Dec. 14.
- Marino, Joseph, Brooklyn, N. Y. Arch member for openings. 2,442,929, June 8.
- Marino, Salvatore, Chicago, Ill. Ravioli machine. 2,437,202, Mar. 2.
- Marinsky, Davis, assignee: *See*—
Morin, Louis H.
- Marinsky, Davis, deceased, and L. H. Morin, Bronx, N. Y.; L. H. Morin, executor of estate of said Davis Marinsky. Bobbin waxing machine. 2,447,351, Aug. 17.
- Marinsky, Davis, deceased, Bronx, N. Y.; L. H. Morin, executor. Tape dispenser. 2,447,518, Aug. 24.
- Marinsky, Davis, deceased, Bronx, N. Y.; L. H. Morin, executor. Tape dispenser. 2,447,519, Aug. 24.
- Marinsky, Davis, deceased, Bronx, N. Y.; L. H. Morin, executor of the estate. Compound knitting needle. 2,456,718, Dec. 21.
- Marion Power Shovel Company, assignee: *See*—
Halby, Edwin G.
- Marisc, Milton M., Northfield, assignor to The Pure Oil Company, Chicago, Ill. Hydrofluoric acid alkylation process. 2,437,544, Mar. 9.
- Marisc, Milton M., and E. M. Griest, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation and use of zirconia gels in the conversion of hydrocarbons. 2,442,772, June 8.
- Marisc, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heat-treatment of plural oxide gels. 2,448,270, Aug. 31.
- Marisc, Milton M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of spheroidal silica-alumina gel particles. 2,449,664, Sept. 21.
- Marisc, Milton M., Northfield, Ill., W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,675, Oct. 5.

- Marisic, Milton M., Northfield, Ill., W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,676, Oct. 5.
- Marisic, Milton M., Northfield, Ill., W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of aromatic nitriles. 2,450,677, Oct. 5.
- Marisic, Milton M., Northfield, Ill., W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,450,678, Oct. 5.
- Marisic, Milton M., and T. F. Rutledge, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Electrolytic method for the production of porous, catalytic metal. 2,453,668, Nov. 9.
- Marisic, Milton M., Northfield, assignor to The Pure Oil Company, Chicago, Ill. Conversion of hydrocarbons in the presence of a catalyst and calcium oxide together with steam and/or carbon dioxide. 2,456,072, Dec. 14.
- Marison Company, The, assignee: *See*—Hill, Robert H.
- Mark Cross Company, assignee: *See*—Setterberg, Ruth E.
- Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Magnetic refrigerator door closure and seal. 2,446,336, Aug. 3.
- Markel Electric Products, Inc., assignee: *See*—Ohm, Albert J.
- Markell, Stanley, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Semirigid ophthalmic mounting. 2,456,293, Dec. 14.
- Markem Machines Company, assignee: *See*—Putnam, David F., and Cheeseman.
- Marken, Rudolph F., Kansas City, Mo. Flexible dispensing spout for containers. 2,444,104, June 29.
- Markepp Co., Inc., The, assignee: *See*—Marcus, Arthur P., and Filo.
- Market Forge Company, assignee: *See*—Jeffery, Richard E.
- Markham, Selwyn L., assignor to T. Yett, Houston, Tex. Gun perforator. 2,446,235, Aug. 3.
- Markin, Louis, Chicago, Ill., assignor to Society Brand Clothes, Inc. Trousers. 2,438,933, Apr. 6.
- Markin, Louis, assignor to Alfred Decker & Cohn, Inc., Chicago, Ill. Trousers. 2,444,020, June 22.
- Markkula, Raymond F., Los Angeles, assignor to American Braces, Oakland, Calif. Drop-foot brace. 2,444,839, July 6.
- Markl, Arthur R. C.: *See*—Baker, Albert L., Hill, and Markl.
Baker, Albert L., Markl, and Blahut.
- Markle, George B., Jr., assignor to Freeland Spool & Bobbin Corp., Hazelton, Pa. Spool or bobbin. 2,452,383, Oct. 26.
- Markowitz, Jesse, Forest Hills, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Supporting arrangement. 2,457,058, Dec. 21.
- Markowitz, Louis C., San Diego, Calif. Medicinal applicator and therapeutic device. 2,436,895, Mar. 2.
- Marks, Alvin M., New York, N. Y. Multiply angle selective polarizer. 2,453,379, Nov. 9.
- Marks, Arthur A., Portland, Oreg. Hinged back collapsible chair. 2,453,027, Nov. 2.
- Marks, Charles B.: *See*—Sanders, William H., and Marks.
- Marks, Graham W., F. Cossey, and R. S. Mills, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of Interior. Metal lens holder. 2,444,457, July 6.
- Marks, Henry C., Glen Ridge, and F. B. Strandkov, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Procedure for disinfecting aqueous liquid. 2,443,429, June 15.
- Markson, Alfred A., Mount Lebanon, and R. R. Donaldson, Forest Hills, assignors to J. M. Hopwood, Mount Lebanon, Pa. Apparatus for measuring the state of compression of a liquid in a liquid vapor phase system. 2,444,358, June 29.
- Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa. Totalizing device. 2,455,184, Nov. 30.
- Markusen, David L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,452,311, Oct. 26.
- Markussen, Halfdan A., Hempstead, N. Y. Baseball game apparatus. 2,457,390, Dec. 28.
- Markwood, Paul W., assignor to American Enka Corporation, Enka, N. C. Indicator. 2,447,584, Aug. 24.
- Marler, Albert R., Forest Park, assignor to C. C. Sittler, Chicago, Ill. Fuse puller. 2,454,878, Nov. 30.
- Marler, Milton T., Los Angeles, Calif. Package. 2,437,110, Mar. 2.
- Marley Company, Inc., The, assignee: *See*—Mart, Leon T.
- Marley, Samuel P.: *See*—Saltz, Leon, and Marley.
- Marlin Firearms Company, The, assignee: *See*—Robinson, Thomas R., Jr.
- Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Finish remover composition. 2,437,964, Mar. 16.
- Marlowe, Mark K., and L. Daugherty, Lexington, Ky. Kickback dump for mine cars. 2,441,077, May 4.
- Marman Products, Co., Ins., assignee: *See*—Woolsey, Theodore A.
- Marmont, George H., assignor to Bendix Aviation Corporation, Detroit, Mich. Electronic distributor. 2,440,639, Apr. 27.
- Marmor, Ralph A.: *See*—Moyer, Wendell W., and Marmor.
- Marple, Kenneth E.: *See*—Larsen, Robert G., and Marple.
- Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Glycidyl ethers. 2,453,634, Nov. 9.
- Marple, Kenneth E., Oakland, and B. Borders, assignors to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated nitriles. 2,455,689, Dec. 7.
- Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Locking system for vehicle doors. 2,450,052, Sept. 28.
- Marquardt, Julius L., Muskegon, Mich. Rain alarm device. 2,443,687, June 22.
- Marquardt, Carl G., Chatham, N. J., assignor to Sterling Injection Molding, Inc., Buffalo, N. Y. Apparel belt or chain. 2,451,397, Oct. 12.
- Marquette, Ernest D., St. Albans, Vt. Heat exchanger. 2,451,398, Oct. 12.
- Marquette Metal Products Company, The, assignee: *See*—Galley, John H., and Carey.
Gleitz, Herbert, and Miller.
Gleitz, Jerome D.
Hardy, Gordon W.
Sacchini, Columbus R.
- Marquis, John F., Haddonfield, N. J., assignor to Radio Corporation of America. Sound reproducing device. 2,439,665, Apr. 13.
- Marquis, John F., Haddonfield, N. J., assignor to Radio Corporation of America. Loudspeaker diaphragm support. 2,439,666, Apr. 13.
- Marquis, John F., Haddonfield, N. J., assignor to Radio Corporation of America. Superimposed duplex loudspeaker. 2,453,521, Nov. 9.
- Marquis, Thomas V.: *See*—Peebles, David D., and Marquis.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 2,437,266, Mar. 9.
- Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,442,702, June 1.
- Marsac, Leonard C., Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin winder for sewing machines. 2,450,837, Oct. 5.
- Marsack, Max, assignor to Marsack Patents Corporation, Milwaukee, Wis. Innerspring mattress construction. 2,446,775, Aug. 10.
- Marsack Patents Corporation, assignee: *See*—Marsack, Max.
- Marsalis, Martin E., Fort Worth, Tex. Moisture retaining pad for air cooling devices. 2,438,859, Mar. 30.
- Marsam Specialties, Inc., assignee: *See*—Zirin, Samuel.
- Marsden, Douglas J., Redwood City, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,434,422, Jan. 13.
- Marsden, Ernest B., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Conveying mechanism. 2,441,100, May 4.
- Marsden, Horace E., Snaresbrook, London, England. Moistening device for offset presses. 2,448,226, Aug. 31.
- Marsden, James, and G. F. Roedel, Schenectady, N. Y., assignors to General Electric Company. Dimethyl silicone elastomers containing lead monoxide. 2,436,220, Feb. 17.
- Marsden, James, Schenectady, N. Y., assignor to General Electric Company. Methyl silicone elastomers containing si-bonded vinyl radicals. 2,445,794, July 27.
- Marsen, Richard A., New York, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recorder with friction drive device incorporated within the magazine. 2,457,699, Dec. 28.
- Marsh, Donald L.: *See*—Geiger, Lyl M., and Marsh.
- Marsh, Florence E., assignee, et al.: *See*—Marsh, John W.
- Marsh, Harold A., Brookline, assignor to Polaroid Corporation, Cambridge, Mass. Frame mounting flexible sheet-like materials. 2,444,520, July 6.
- Marsh, Harry S.: *See*—Ross, Elliott P., and Marsh.
- Marsh, James, Bay City, Mich. Device for mixing fertilizer with soil and screening. 2,454,662, Nov. 23.
- Marsh, Jas. P., Corporation, assignee: *See*—McCoy, Edward A.
- Marsh, John L., Des Moines, Iowa, assignor to J. I. Case Company, Racine, Wis. Spreader apron drive. 2,453,242, Nov. 9.
- Marsh, John W., assignor of one-fourth to F. E. Marsh, one-fourth to M. Marsh, and one-fourth to M. Marsh, all of Alexandria, Va. Resilient end buffer for railway cars and locomotives. 2,434,943, Jan. 27.

- Marsh, John W., assignor of one-fourth to F. E. Marsh, one-fourth to M. Marsh, and one-fourth to M. Marsh, all of Alexandria, Va. Buffer for railway cars. 2,434,944, Jan. 27.
- Marsh, John W., Alexandria, Va. Valve. 2,450,480, Oct. 5.
- Marsh, John W., Arlington, Va., assignor to Apex Railway Products Co., Chicago, Ill. Air brake apparatus. 2,456,137, Dec. 14.
- Marsh, Marianne, assignee, et al.: *See*—Marsh, John W.
- Marsh, Mary, assignee, et al.: *See*—Marsh, John W.
- Marsh Stencil Machine Company, assignee: *See*—Marsh, Walton C.
- Marsh, Walton C., and Hempel.
- Marsh, Walter H., Crafton, Pa., assignor to Rockwell Manufacturing Company. Temperature compensated meter. 2,438,934, Apr. 6.
- Marsh, Walter H., Crafton, Pa., assignor to Rockwell Manufacturing Company. Temperature compensated meter. 2,438,935, Apr. 6.
- Marsh, Walton C., and H. W. Hempel, assignors to Marsh Stencil Machine Company, Belleville, Ill. Stencil punch. 2,444,877, July 6.
- Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Gumming machine. 2,444,878, July 6.
- Marshall, Alfred, Bay Shore, N. Y. Dive stabilizer for kites. 2,451,571, Oct. 19.
- Marshall, Bruce G., Vicksburg, Miss. Compression testing and like apparatus. 2,447,586, Aug. 24.
- Marshall, Clinton E., Bronx, N. Y. Ring. 2,450,762, Oct. 5.
- Marshall Field and Company, assignee: *See*—Clark, Eugene F.
- Marshall Furnace Co., assignee: *See*—Stout, Claude S.
- Marshall, Henry H., Garden City, N. Y., assignor, by mesne assignments, to Pabst Brewing Company, Chicago, Ill. Bottle carrier. 2,435,178, Jan. 27.
- Marshall, Henry H., Garden City, N. Y., assignor, by mesne assignments, to Pabst Brewing Company, Chicago, Ill. Apparatus for inspecting moving transparent objects. 2,446,377, Aug. 3.
- Marshall, Laurence K., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Operating electrical space discharge devices. 2,439,816, Apr. 20.
- Marshall, Lewis C., East Walpole, Mass. Making split piston rings. 2,453,330, Nov. 9.
- Marshall, Preston E., Wayne, Mich. Apparatus for treating foods. 2,447,417, Aug. 17.
- Marshall, Richard B., assignor to Electromaster, Inc., Detroit, Mich. Heating system. 2,434,574, Jan. 13.
- Marshall, Richard B., assignor to Electromaster, Inc., Detroit, Mich. Heating system. 2,434,575, Jan. 13.
- Marshall, Samuel W., Jr., U. S. Army. Gas operation of firearms action slides. 2,449,560, Sept. 21.
- Marshall, Thomas A.: *See*—Brown, Andrew, and Marshall.
- Marshall, Veikko J., assignor to Norton Company, Worcester, Mass. Grinding machine steady rest. 2,436,587, Feb. 24.
- Marshall, Walter R., Bloomfield, N. J., assignor to Bake-lite Corporation. Continuous milling process and apparatus. 2,434,707, Jan. 20.
- Marshall, William A. Jr.: *See*—Heymann, Seymour E., Leslie, and Marshall.
- Heymann, Seymour E., and Marshall, Jr.
- Williams, Lynn A., Marshall, and Gradolph.
- Marshall, William A., Jr., Chicago, and J. H. Leslie, II, Winnetka, assignors to Stewart-Warner Corporation, Chicago, Ill. Air pressure responsive control for internal-combustion heaters. 2,451,625, Oct. 19.
- Marshall, William A., Jr., assignor to Stewart-Warner Corporation, Chicago, Ill. Air flow regulating valve. 2,451,626, Oct. 19.
- Marshall, William C., Oakland, Calif. Movable electrode tube. 2,439,942, Apr. 20.
- Marshall, Newman M., Trumbull, Conn. Fluid pressure engaged clamping fixture. 2,436,656, Feb. 24.
- Marshall, Newman M., Trumbull, Conn. Utility press. 2,440,054, Apr. 20.
- Marshall, Newman M., Trumbull, Conn. Indexing device. 2,447,808, Aug. 24.
- Marshall, Newman M., Trumbull, Conn. Jig. 2,451,035, Oct. 12.
- Marshall, Newman M., Trumbull, Conn. Index head. 2,456,007, Dec. 14.
- Marland, Howard, assignor to Vermont Hosiery and Machinery Co., Northfield, Vt. Hosiery and producing same. 2,444,403, June 29.
- Marston, John R., Portsmouth, Va. Venetian slat. 2,447,706, Aug. 24.
- Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Inc., Kansas City, Kans. Producing wood pipe. 2,453,522, Nov. 9.
- Martello, Norman E., Turtle Creek, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Method and product for inhibiting hydrous disintegration of shale by aqueous drilling muds. 2,444,359, June 29.
- Marti, Joaquin M., New York, N. Y., assignor to The Cordwars Company, Inc. Braiding machine for endless belts or the like. 2,452,136, Oct. 26.
- Martin, Albert D., Jr., Philadelphia, Pa. Insulator. 2,444,938, July 13.
- Martin, Alfred M., Park Ridge, Ill. Card-handling device. 2,439,943, Apr. 20.
- Martin, Bradford, Washington, assignor, by mesne assignments, to Solar Engineering & Equipment Co., Beaver, Pa. Stencil decorating machine. 2,444,574, July 6.
- Martin, Charles A., Patterson, Iowa. Injector gun. 2,442,703, June 1.
- Martin, Charles H., Huntington Park, assignor to H. B. and S. Rapp, co-partners doing business as Towner Manufacturing Co., Santa Ana, Calif. Tractor-conveyed implement and hitch therefor. 2,440,550, Apr. 27.
- Martin, Charles H., Los Angeles, Calif. Doorstop. 2,451,848, Oct. 19.
- Martin, Clifford W., Denver, Colo. Reflecting optical objective system. 2,457,253, Dec. 28.
- Martin, Don S., Jr., Santa Fe, N. Mex., N. D. Nachtrieb, Chicago, Ill., and J. E. Seegmiller, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Navy. Inert gas eliminator for high altitude oxygen apparatus. 2,456,606, Dec. 14.
- Martin, Donald E.: *See*—Martin, Virgil E. C. and D. F.
- Martin, Earnest B., Redondo Beach, assignor to R. Walsh, Los Angeles, Calif. Apparatus for inserting valve elements. 2,438,642, Mar. 30.
- Martin, Edward C., London, England, assignor to Hartford National Bank & Trust Company, Hartford, Conn. Manufacture of ceramic materials of high permittivity. 2,438,761, Mar. 30.
- Martin, Edward J., Pleasant Ridge, and W. T. Sproull, assignors to General Motors Corporation, Detroit, Mich. Method and means for demagnetizing. 2,449,946, Sept. 21.
- Martin, Edward J., Pleasant Ridge, and W. E. Sargeant, Ferndale, assignors to General Motors Corporation, Detroit, Mich. Torque meter. 2,457,700, Dec. 28.
- Martin Electric Company, assignee: *See*—Martin, William H.
- Martin, Eric L., Santa Monica, assignor to North American Aviation, Inc., Inglewood, Calif. Retractable landing gear fairing. 2,452,251, Oct. 26.
- Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade construction. 2,451,106, Oct. 12.
- Martin, Eugene, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Conveying mechanism. 2,449,240, Sept. 14.
- Martin, Frank B., Jr., Pensacola, Fla. Emergency hub adapter. 2,453,635, Nov. 9.
- Martin, Frank G., Huntington, W. Va. Headrest. 2,446,483, Aug. 3.
- Martin, George, assignee: *See*—Janes, Irene M.
- Martin, George W., Eau Claire, Wis. Mounting for out-board motors. 2,454,972, Nov. 30.
- Martin, Glenn L., Company, assignee: *See*—Gravenhorst, Everett, and Vaughn.
- Hill, Thomas C., and Schmidt.
- Hollyday, Charles E., Jr.
- Pajak, Theodore P.
- Pepersack, Francis J.
- Reilly, Mason J.
- Martin, Glenn L., Company, The, assignee: *See*—Bortner, William A.
- Buebel, Edgar W.
- De Supinski, Bronislav.
- De Weese, Joseph C.
- Draemer, Robert W., Hill, and van Zelm.
- Fades, John H.
- Ewald, William.
- Good, Paul F.
- Huey, Homer D., and Towner.
- Magruder, Peyton M., and Bender.
- Turnbull, William J.
- Velt, Hermann E.
- Wiesner, Frank W., and Coulter.
- Martin, Gustav J.: *See*—Souren, Avakian, and Martin.
- Urist, Harold, and Martin.
- Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. 5-Benzimidazol derivatives of barbituric acid. 2,448,722, Sept. 7.
- Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. 2-Methyl-3-hydroxy-4-hydroxymethyl pyridine and its acid salts. 2,455,259, Nov. 30.
- Martin, Harold: *See*—Goodwin, Carl W., and Martin.
- Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine with cooling means. 2,440,551, Apr. 27.
- Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,448,381, Aug. 31.
- Martin, Henry: *See*—Hirt, Rudolf, Gysin, and Martin.
- Martin, Henry, H. Gysin, and O. Neracher, Basel, and R. Hirt, Riehen, assignors to J. R. Gelgy A. G., Basel, Switzerland. P-aminobenzene sulfonamides. 2,435,974, Feb. 17.

- Martin, Henry, and F. Häfner, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic amides of 1-aryl-cycloalkyl-1-carboxylic acids. 2,437,545, Mar. 9.
- Martin, Henry, K. Gätzl, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Diethylamino ethyl ether of diisopropyl carbene. 2,443,796, June 22.
- Martin, Henry, Hans Gysin, Basel, and Hans Zaeslin, Riehen, near Basel, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Tetrahydropyrane-4:4-dicarboxylic acid bis-diethylamide. 2,447,194, Aug. 17.
- Martin, Henry, Hans Gysin, Basel, and Hans Zaeslin, Riehen, near Basel, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Diamides of alkane dicarboxylic acids. 2,447,195, Aug. 17.
- Martin, Henry, Hans Gysin, Basel, and Hans Zaeslin, Riehen, near Basel, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Diamides of methane-1:1-dicarboxylic acids. 2,447,196, Aug. 17.
- Martin, Henry, and H. Gysin, assignors to J. R. Geigy A. G., Basel, Switzerland. Acyl glycine amides. 2,447,587, Aug. 24.
- Martin, Homer Z.: *See*—
Campbell, Donald L., Martin, Murphree, and Tyson. Campbell, Donald L., Martin, and Tyson. Gohr, Edwin J., Martin, and Tyson.
- Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Process and apparatus for contacting fluids with powdered solids. 2,440,482, Apr. 27.
- Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Relieving machine. 2,435,046, Jan. 27.
- Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Cam grinding machine. 2,436,588, Feb. 24.
- Martin, James, Higher Denham, near Uxbridge, England. Body protecting device for aircraft personnel. 2,457,252, Dec. 28.
- Martin, James V., Paramus, N. J. Distortable circle tire. 2,439,742, Apr. 13.
- Martin, James W., assignor to Lone Star Gas Company, Dallas, Tex. Vaporizing apparatus for liquefied gases. 2,446,941, Aug. 10.
- Martin, Joe: *See*—
Oberbeck, August L., and Martin.
- Martin, John B., Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive sheet material. 2,439,481, Apr. 13.
- Martin, John R., Baytown, Tex., assignor to Standard Oil Development Company. Burner for combustible gases. 2,443,259, June 15.
- Martin, John R., and F. B. Burrell, Baytown, Tex., assignors to Standard Oil Development Company. Specific gravity recorder. 2,451,036, Oct. 12.
- Martin, Joseph, Dayton, Ohio. Storm sash and casement window connector. 2,440,223, Apr. 20.
- Martin, Kenneth P., Lancaster, and W. P. Rowland, assignors to The Colonial Press, Inc., Clinton, Mass. Book and the production thereof. 2,434,502, Jan. 13.
- Martin, Melvin B., Piqua, Ohio. Tractor tire lift. 2,455,432, Dec. 7.
- Martin, Mervin E.: *See*—
Haney, Clifford I., Martin, and Sherck.
- Martin, Oliver O., Montrose, Calif. Justifying mechanism for typewriters. 2,434,665, Jan. 20.
- Martin, Oliver O., Montrose, Calif. Margin justifying device for typewriters. 2,454,470, Nov. 23.
- Martin, Philip W., Huntington Park, Calif. Tool indicator. 2,436,047, Feb. 17.
- Martin, Ralph V., Philadelphia, Pa. Rain gutter for automobile windows. 2,451,399, Oct. 12.
- Martin, Robert P., Seattle, Wash. Auxiliary propeller drive. 2,435,401, Feb. 3.
- Martin, Royal E., Mansfield, Ohio. Stretch-forming apparatus, including a segmental die connected at opposite ends to shiftable vises. 2,457,483, Dec. 28.
- Martin, Samuel H.: *See*—
Denniston, Adolph L., and Martin.
- Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding articles. 2,454,193, Nov. 16.
- Martin, Stuart T., Jr., Arlington, Va., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,445,447, July 20.
- Martin, Thomas D., U. S. Navy. Collimating optical sight with transparent mirror means. 2,441,160, May 11.
- Martin, Virgil E. C., and D. E. Martin, Hayward, Calif. Canned food heating device. 2,447,077, Aug. 17.
- Martin, William E., Kewanee, Ill. Trailer. 2,441,710, May 18.
- Martin, William E., Kewanee, Ill. Vehicle tandem axle running gear. 2,456,719, Dec. 21.
- Martin, William H., assignor to Martin Electric Company, Detroit, Mich. Welding machine. 2,443,077, June 8.
- Martin, William H., Lakewood, Ohio, assignor, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Connection for enameled tanks. 2,453,331, Nov. 9.
- Martin, William M. River Forest, Ill., assignor to American Can Company, New York, N. Y. Making tubular container bodies with solderless six-layer side seams. 2,455,938, Dec. 14.
- Martin, William S., Sand Springs, Okla. Magnetic book-mark. 2,448,611, Sept. 7.
- Martin, Willibald, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Cover and receptacle for dry printing machines. 2,438,225, Mar. 23.
- Martindale Electric Company, The, assignee: *See*—
Scharping, Otto W.
- Martinez, Eugene F., Cleveland, Ohio. Gauging-device actuated light-beam responsive selecting apparatus. 2,439,406, Apr. 13.
- Martinelli, Guy, and H. M. McMann, Indianapolis, Ind., said McMann assignor to said Martinelli. Splash guard. 2,456,206, Dec. 14.
- Martines, Rene, Cranston, R. I. Tool. 2,437,432, Mar. 9.
- Martinet, Roger: *See*—
Morane, Roger, and Martinet.
- Martinez, Norberto, Somerville, Tex., assignor to H. Gonzales, Chicago, Ill. Power transmission. 2,452,777, Nov. 2.
- Martino, Joseph H.: *See*—
Auskelis, John V., and Martino.
- Martinuzzi, Bruno, assignee: *See*—
Brantingson, Sigurd.
- Marton, Ladislaus, Menlo Heights, Calif., assignor to Research Corporation, New York, N. Y. Electron micro-spectroscope. 2,447,260, Aug. 17.
- Marton, Ladislaus, Washington, D. C., assignor to Research Corporation, New York, N. Y. Electron micro-analyzer. 2,440,640, Apr. 27.
- Marty, Amos R., Marion, Ohio. Nonvibratory massaging device. 2,436,969, Mar. 2.
- Marty, Maurice: *See*—
Bonnet, Louis, and Marty.
- Martyn, James R.: *See*—
Noakes, Henry F., and Martyn.
- Marvel, Carl S., Urbana, Ill. Aminoamide resins. 2,433,363, Feb. 17.
- Marvel Equipment Corporation, assignee: *See*—
Floraday, Burton S.
Roethel, John H.
- Marvel Jewelry Mfg. Company, assignee: *See*—
Fontaine, Clarence F. H.
- Marx, Paul, and A. Abraham, New York, N. Y. Wear accessory. 2,454,076, Nov. 16.
- Maryland Baking Company, Inc., assignee: *See*—
Cutler, Jacob.
Glassner, Mitchel.
Shapiro, Arthur.
- Mas, Antonio, New York, N. Y. Propeller transmission means. 2,445,446, July 20.
- Masabny, Anthony N., Allston, Mass. Child's seat attachment for barbers' chairs. 2,452,252, Oct. 26.
- Maschin, Harold F., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle stand. 2,434,423, Jan. 13.
- Maschinenfabrik Schweiter A. G., assignee: *See*—
Schweiter, Walter.
- Masciarelli, Camillo, Clinton, Mass. System for operating electric discharge tubes. 2,455,791, Dec. 7.
- Maschuch, Joseph J., assignee: *See*—
Nardone, Romeo M.
- Masin, John E., assignor to The Stearns-Roger Manufacturing Company, Denver, Colo. Vacuum pan discharge valve control. 2,443,628, June 22.
- Masland, C. H. & Sons, assignee: *See*—
Carter, Robert E.
Hutchinson, Harry M.
- Masland, Charles H., 2d. Masland, Charles H., 2d, assignor to C. H. Masland & Sons, Carlisle, Pa. Coat. 2,448,449, Aug. 31.
- Mason, Anders, Springfield, Mass. Bait casting device. 2,435,011, Jan. 27.
- Mason, Bernard: *See*—
Mercer, Arthur A.
- Mason, Charles R., Ballston Spa, N. Y., assignor to General Electric Company. Polarized electromagnetic control device. 2,454,973, Nov. 30.
- Mason, David M.: *See*—
McArdle, Edward H., and Mason.
- Mason, Edwin W., Wyckoff, N. J. Tape dispenser. 2,453,028, Nov. 2.
- Mason, Elliott W., Spokane, Wash., assignor to Aluminum Company of America, Pittsburgh, Pa. Scalping machine control apparatus. 2,437,829, Mar. 16.
- Mason, Frank N., Charleroi, assignor of one-fourth to R. C. Mason, Pittsburgh, Pa. Undergarment. 2,452,479, Oct. 26.
- Mason, Fred J., Syracuse, N. Y. Sanding device for vehicles. 2,450,245, Sept. 28.
- Mason, George C., assignor to Gem-Dandy, Inc., Madison, N. C. Garter. 2,441,545, May 11.
- Mason, George T., Glendale, assignor to Alfred A. Nathanson, North Hollywood, Calif. Combination lock. 2,439,140, Apr. 6.
- Mason & Hanger Co., Inc., assignee: *See*—
Killmer, Miles I.
- Mason, James A.: *See*—
Molins, Desmond W., Harvey, Mason and Powell.
- Mason, James G., Pittsburgh, Pa. Game device. 2,444,167, June 29.
- Mason, James J., San Simon, Ariz. Defect detector for railway car wheels. 2,452,480, Oct. 26.

- Mason, John E., assignor to The Stearns-Roger Manufacturing Company, Denver, Colo. Cyclic regulation of crystallizers. 2,448,538, Sept. 7.
- Mason, John E., Denver, Colo., and C. White, deceased, Capay, Calif.; V. A. White, executrix; assignors to The Stearns-Roger Manufacturing Company, Denver, Colo. Heat exchange apparatus. 2,453,718, Nov. 16.
- Mason, Julien J., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor filled electronic device. 2,438,179, Mar. 23.
- Mason, Julius L., assignee: *See*—
Baker, Cliff.
- Mason-Neilan Regulator Company, assignee: *See*—
Robins, John W.
- Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Reduction of the ash content of nitroaromatic compounds. 2,447,585, Aug. 24.
- Mason, Robert C., assignee: *See*—
Mason, Frank N.
- Mason, Warren P.: *See*—
Briggs, Howard B., Johnson, and Mason.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine detecting device. 2,434,278, Jan. 13.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plastic housing. 2,434,666, Jan. 20.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrasonic prism. 2,434,667, Jan. 20.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finding instrument. 2,434,945, Jan. 27.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-power compressional wave radiator. 2,435,595, Feb. 10.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical transducer. 2,438,936, Apr. 6.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,440,694, May 4.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,440,695, May 4.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound suppressor. 2,442,773, June 8.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric damping mechanical vibrations. 2,443,471, June 15.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Silencer. 2,448,382, Aug. 31.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,450,010, Sept. 28.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,450,011, Sept. 28.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,450,434, Oct. 5.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulating and harmonic producer apparatus. 2,453,243, Nov. 9.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,454,328, Nov. 23.
- Mason, Willard J., Greenwich, Conn. Belt loading machine. 2,446,184, Aug. 3.
- Masonite Corporation, assignee: *See*—
Bowen, Rees T., Head and Lesniak.
Hall, Horace E., and Coleman.
Hill, John S.
Lesniak, Frank G.
- Masrob, George, Detroit, Mich. Potato slicer, including stationary horizontal and vertical knives and a reciprocating carriage. 2,441,027, May 4.
- Mass, Morris, New York, N. Y. Device for determining photoelectrically the concentration of a solute in a solvent. 2,447,985, Aug. 24.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Underwater transducer. 2,440,903, May 4.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric unit and making same. 2,440,904, May 4.
- Massa, Frank, Cleveland Heights, Ohio. Electrodynamic loudspeaker. 2,445,276, July 13.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Transducer. 2,451,966, Oct. 19.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Vibrational energy transmitter or receiver. 2,451,967, Oct. 19.
- Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Underwater sound transmitter or receiver. 2,456,294, Dec. 14.
- Massachusetts Institute of Technology, assignee: *See*—
Rowe, Henry A.
- Masse, Thomas J., Alexandria, near Sydney, Australia. Method and apparatus for electrostatically separating particles having different electrical properties. 2,445,229, July 13.
- Massey-Harris Co., Ltd., assignee: *See*—
Carroll, Thomas.
- Massimiano, Santo A., Merchantville, N. J. Dental accessory. 2,451,849, Oct. 19.
- Massonneau, Robert F.: *See*—
Bascom, Henry M., Massonneau, Ostendorf, and Rea.
- Mast, Robert E.: *See*—
Mast, Washington E. and R. E.
- Mast, Washington E. and R. E., Spokane, Wash. Chock block. 2,442,501, June 1.
- Mast, William C.: *See*—
Rehberg, Chessie E., Mast, and Fisher.
- Mast, William C., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Coating compositions. 2,456,295, Dec. 14.
- Mast, William C., Philadelphia, C. E. Rehberg, Glenside, and C. H. Fisher, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Synthetic rubberlike materials. 2,449,612, Sept. 21.
- Master Builders Company, The, assignee: *See*—
MacPherson, Donald R.
- Master Electric Company, The, assignee: *See*—
Darnell, Victor L.
Kuner, William H., and Berger.
- Master Industries, Inc., assignee: *See*—
Sherick, Adrian R.
- Master Rule Manufacturing Co., Inc., assignee: *See*—
Nicholson, Ragnar C., and Schneider.
- Master, Warren S., Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifying system. 2,444,458, July 6.
- Master, Warren S., Rutherford, N. J., and E. Engelman, Elmhurst, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Voltage regulator. 2,450,012, Sept. 28.
- Masterson, William F., Decatur, assignor, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Lamp base assembly. 2,455,131, Nov. 30.
- Mastin, Robert G., Okmulgee, assignor to Cities Service Oil Company, Bartlesville, Okla. Steam turbine lubricating oils. 2,454,075, Nov. 16.
- Mastrangelo, Bianca, assignee: *See*—
Mastrangelo, Frank.
- Mastrangelo, Faustina, assignee: *See*—
Mastrangelo, Frank.
- Mastrangelo, Frank, Fitchburg, assignor of one-half to F. Mastrangelo, Lunenburg, and one-half to B. Mastrangelo, Fitchburg, Mass. Detachable sash fastener. 2,455,077, Nov. 30.
- Mastrillo, Joseph, Trenton, N. J. Shaper for trousers. 2,451,503, Oct. 19.
- Masts Limited, assignee: *See*—
Finer, Henry J.
- Masucci, Peter F., and L. Zola, Brooklyn, N. Y. Sliding seat supporting means. 2,446,185, Aug. 3.
- Masure, Myrle T., Feeding Hills, Mass. Antiskid device. 2,441,429, May 11.
- Matarazzo, Stephen, Schenectady, N. Y. Adjustable cap. 2,446,053, July 27.
- Material Company, assignee: *See*—
Runke, Glenn R.
- Mathaus, Lillian W., Atlanta, Ga. Multibladed knife. 2,448,383, Aug. 31.
- Mather, Charles D., Essexville, Mich. Mechanical fish bait. 2,444,707, July 6.
- Mathers, Frank C., and P. S. Visser, Bloomington, Ind. Purification of magnesium fluoride for use as lens coating. 2,441,668, May 18.
- Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company, Making laminated electrical insulating material. 2,439,667, Apr. 13.
- Mathes, Richard E.: *See*—
Moore, John B., and Mathes.
- Mathes, Richard E., Silver Springs, Md., assignor to Radio Corporation of America. Printer for Morse code signals. 2,436,441, Feb. 24.
- Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Salts of dithiocarbamic acids. 2,444,660, July 6.
- Mathews, Beatrice O., Riverside, Ill. Garment. 2,440,752, May 4.
- Mathews, Bernard C., Chicago, Ill. Dehydrating machine with conveyors providing plural treated material paths. 2,435,455, Feb. 3.
- Mathews Conveyor Company, assignee: *See*—
Owens, Gomer F.
- Mathewson, E. B., Co., assignee: *See*—
Wittmann, Robert A.
- Mathewson Ralph C., West Pittston, Pa. Universal swivel. 2,452,778, Nov. 2.
- Mathewson, Richard E.: *See*—
Kalning, Frederick E., and Mathewson.
- Mathewson, Wilfred F., Weymouth, Mass. Paper pulp screen. 2,450,838, Oct. 5.
- Mathias, David L., East Orange, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Welding rod. 2,435,504, Feb. 3.

- Mathiasen, Roy L.: *See*—
MacMahon, James D.
Shepardson, Robert M., and Mathiasen.
- Mathieson Alkali Works, Inc., The, assignee: *See*—
Aston, Royden N.
Churchill, John W.
Clark, Charles C.
Cunningham, George L., and Robinson.
Erickson, Edwin R.
MacMahon, James D.
Richardson, Chester N.
Soule, Edward C.
- Mathieson Chemical Corporation, assignee: *See*—
Erickson, Edwin R.
Haller, John F.
Hampel, Clifford A.
Looman, Alfred C.
McIntosh, William J.
Robson, Homer L.
Switzer, John L., and Michalek.
Vincent, George F., MacMahon, and Synan.
Woodward, Eric R.
- Mathis, John A., and K. W. Milan, Pickneyville, Ill. Electrical oxygen vaporizer and protecting cover. 2,454,934, Nov. 30.
- Mathis, John H., Temple, Tex. Flexible joint for artificial limbs. 2,443,356, June 15.
- Mathis, William R., Tampa, Fla. Molding apparatus for forming buildings. 2,434,708, Jan. 20.
- Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Internal grinding machine. 2,445,146, July 13.
- Matlack, William W.: *See*—
Hickey, George M., and Matlack.
- Matlas, Jean, New York, N. Y. Arch support device. 2,439,545, Apr. 13.
- Matosh, John, assignee: *See*—
Horvath, Steven.
- Matricon, Marcel, Paris, France, assignor to General Electric Company. Vacuum pump. 2,439,258, Apr. 6.
- Matsen, Morris, Wilmington, Del., and E. R. Jones, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Loading and packaging device. 2,455,433, Dec. 7.
- Matshak, Richard F.: *See*—
Brennen, Ronald F.
- Matson, Ivan M., Los Angeles, Calif. Electrode grip and holder. 2,453,244, Nov. 9.
- Matson, Leslie E., Jr.: *See*—
Jones, Mack C., and Matson.
- Matson, Olof, Hatboro, Pa. Ratchet wrench having a magnetized sectional socket. 2,446,776, Aug. 10.
- Matsuda, Masayoshi, Cleveland, Ohio. Vehicle stop and turn signal. 2,445,961, July 27.
- Matter, Roger E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Sharpening apparatus. 2,447,418, Aug. 17.
- Mattern, Raymond P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Method and apparatus for coating by thermal evaporation. 2,453,801, Nov. 16.
- Matthews, Albert, Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Position indicator for cylinder doors. 2,438,294, Mar. 23.
- Matthews, Albert, and F. A. Gerlach, Cincinnati, assignors to The American Laundry Machinery Company, Norwood, Ohio. Door securing means. 2,455,132, Nov. 30.
- Matthews, Alfred C., Fox Chase Manor, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Multiband radio receiver. 2,441,028, May 4.
- Matthews, Daniel, Toronto, Ontario, Canada. Golf bag stand. 2,449,171, Sept. 14.
- Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Circuit breaker. 2,443,260, June 15.
- Matthews, Harold J.: *See*—
Bauer, Robert F., and Matthews.
- Matthews, Irving C., and W. F. Lynch, assignors to Eastman Kodak Company, Rochester, N. Y. Composition of terpine-ne-maleic anhydride, hydrogenated coumarone-indene resin, and polystyrene. 2,436,048, Feb. 17.
- Matthews, Irving C., and G. M. Atkins, assignors to Eastman Kodak Company, Rochester, N. Y. Marking ink. 2,441,101, May 4.
- Matthews, Robert E.: *See*—
Youngson, Donald A., and Matthews.
- Matthews, Russell R., Cornwall, N. Y. Nonslip textile article. 2,434,709, Jan. 20.
- Matthews, W. N., Corporation, assignee: *See*—
Mosley, Carl E.
- Matthias, Bernd, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G. of Glarus, Switzerland. Rochelle salt resonator. 2,444,998, July 13.
- Matthias, Gilbert L.: *See*—
Leguillon, Charles W., Matthias, and Herzog.
- Matthias, Lynn H., Fox Point, assignor to Allen-Bradley Company, Milwaukee, Wis. Electromagnet with pivotally mounted armature. 2,455,690, Dec. 7.
- Mattice, Harold E., Eureka, Calif. Supercharging and scavenging internal-combustion engine. 2,446,094, July 27.
- Mattinoe, Paul T.: *See*—
Gaiser, Romey A.
- Mattimore, John D., and F. C. Smith, Louisville, Ky., assignors to Tube Turns, Inc. Method and apparatus for making welded pipe joints. 2,448,107, Aug. 31.
- Mattingly, Benjamin J., Center Point, Tex. Fishing tackle. 2,454,879, Nov. 30.
- Mattison, Frank R., Burbank, Calif. Roller exercising machine. 2,438,249, Mar. 23.
- Mattocks, Edgar H., Chicago, Ill. Screw cover wrench. 2,448,815, Sept. 7.
- Mattoon, Deo R., assignor to Corning Glass Works, Corning, N. Y. Vessel assembly. 2,441,892, May 18.
- Mattox, William J., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Production of polycyclic hydrocarbons. 2,436,932, Mar. 2.
- Mattox, William J., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of an alumina-group VI oxide catalyst. 2,438,569, Mar. 30.
- Mattox, William J., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Production of toluene by catalytic cracking of monoalkyl benzenes. 2,438,570, Mar. 30.
- Mattson, David W., Minneapolis, Minn. Bottle carrier. 2,433,857, Jan. 6.
- Mattsson, John-Erik and S., Malmo, Sweden. Frame for caps. 2,445,230, July 13.
- Mattsson, Stig: *See*—
Mattsson, John-Erik and S.
- Matulaitis, Victor E.: *See*—
Lavelli, Teno, and Matulaitis.
- Matulaitis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,436,071, Feb. 17.
- Matulaitis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Combined accessory drive and torque impulse neutralizer. 2,436,072, Feb. 17.
- Matulaitis, Victor E., assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,440,055, Apr. 20.
- Matulaitis, Victor E., and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Turret traversing mechanism. 2,437,646, Mar. 9.
- Matulaitis, Victor E., Rochester, N. Y., and F. W. Edwards, Detroit, and H. R. Voorhees, Grosse Pointe Farms, assignors to Chrysler Corporation, Highland Park, Mich. Accessory drive. 2,447,130, Aug. 17.
- Matulich, Fred A., Drytown, Calif. Foot actuated pressure generator. 2,435,928, Feb. 10.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor fuel. 2,434,000, Jan. 6.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic apparatus. 2,443,773, June 22.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,456,435, Dec. 14.
- Matuszewski, Michael, Detroit, Mich., assignor to the United States of America as represented by the Secretary of War. Releasable connecting mechanism. 2,443,629, June 22.
- Matweeff, Paul, Uncasville, Conn. Whip roll stop motion. 2,453,145, Nov. 9.
- Matzinger, Kenneth: *See*—
McFarland, Joseph L., and Matzinger.
- Mauch, Theodore C. M., Indianapolis, Ind., assignor to S. Morgan Smith Company, York, Pa. Pump control system. 2,436,442, Feb. 24.
- Mauch, Willy, Bridgeport, Conn., assignor to Bruner-Ritter, Inc., New York, N. Y. Expandable connector. 2,444,360, June 29.
- Maude, Aylmer H., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of acetylene tetrachloride. 2,444,661, July 6.
- Maul, John A., and W. P. Lautzenbeiser, Fort Wayne, Ind., assignors to General Electric Company. Coupling. 2,455,870, Dec. 7.
- Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling with centrifugal lockup means. 2,448,539, Sept. 7.
- Maurer, Frank W., Newton Highlands, assignor to H. L. Bouton Company, Buzzards Bay, Mass. Goggle. 2,435,653, Feb. 10.
- Maurer, George P.: *See*—
Falk, Louis W., Schmitter, and Maurer.
- Maurer, Gottfried, Zurich, assignor to A. Müller A.-G. Brugg, Brugg, Switzerland. Swaging apparatus. 2,451,759, Oct. 19.
- Maurer, J. A., Inc., assignee: *See*—
Maurer, John A., Jr.
Soreny, Ernest V.
- Maurer, John A., Jr., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Impulse recording optical system. 2,436,148, Feb. 17.
- Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Impulse recording optical system. 2,437,470, Mar. 9.
- Maurer, Theodore H., Richmond Hill, N. Y. Adjustable coat and two pants hanger. 2,457,579, Dec. 28.
- Maurer, Walter C., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Determining columbium carbide in stainless steel. 2,447,763, Aug. 24.

- Maurette, René G., Beverly, assignor to Sylvania Electric Products, Inc., Salem, Mass. Lighting fixture. 2,448,001, Aug. 24.
- Mauro, Eugene, Brooklyn, N. Y. Head-protecting cap. 2,442,052, May 25.
- Maust, Ernest J., Lakeland, Fla., assignor to Coronet Phosphate Company, New York, N. Y. Defluorination of phosphate rock. 2,446,978, Aug. 10.
- Mavest, Inc., assignee: *See—*
Guckert, Leonard S.
- Mavity, Julian M.: *See—*
Linn, Carl B., and Maxity.
- Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of alkyl aromatic hydrocarbons. 2,436,480, Feb. 24.
- Mavor & Coulson, Limited, assignee: *See—*
McCulloch, Thomas.
- Maxant Button & Supply Co., assignee: *See—*
Maxant, Robert E.
- Maxant, Robert E., Riverside, assignor to Maxant Button & Supply Co., Chicago, Ill. Ear muff. 2,447,078, Aug. 17.
- Maxham, Daniel W., Hogansville, Ga. Spinning machine. 2,453,802, Nov. 16.
- Maxim, Hiram H., Hartford, and L. E. Knapp, Wethersfield, assignors to The Maxim Silencer Company, Hartford, Conn. Single blade plow. 2,440,905, May 4.
- Maxim Silencer Company, The, assignee: *See—*
Bourne, Roland B.
Bourne, Roland B., and Tyskewicz.
Bourne, Roland B., Tyskewicz, and Chase.
Saco, Felix, Jr., and Williamson.
Maxim, Hiram H., and Knapp.
- Maxon, Glenway, Jr., assignor to The T. L. Smith Company, Milwaukee, Wis. Concrete mixing plant. 2,437,302, Mar. 9.
- Maxon, Glenway, Jr., Milwaukee, Wis. Stabilizer for spring mounted vehicles. 2,438,571, Mar. 30.
- Maxson, Clarence G., assignor to Ritter Company, Inc., Rochester, N. Y. Sanitary chair armrest. 2,445,870, July 27.
- Maxson Corporation, W. L., The, assignee: *See—*
McLaren, Peter J., Vaughan, and Fry.
- Maxson, Gordon J., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing a nitrogen atmosphere. 2,450,975, Oct. 12.
- Maxson, Lisle J., U. S. Navy. Airplane handling device. 2,433,858, Jan. 6.
- Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Resonant circuit assembly. 2,436,114, Feb. 17.
- Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Electrophysiotherapeutic apparatus. 2,448,540, Sept. 7.
- Maxson, Rolland H., assignor to The Burdick Corporation, Milton, Wis. Electrophysiotherapeutic apparatus. 2,448,541, Sept. 7.
- Maxson, W. L., Corporation, The, assignee: *See—*
Maxson, William L., McLaren, Black, and Fry.
McLaren, Peter J.
- Maxson, William L., West Orange, N. J., P. J. McLaren, New York, N. Y., and W. A. Black, Montclair, and M. Fry, Harrington Park, N. J., assignors, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Aiming mechanism. 2,448,450, Aug. 31.
- Maxwell, Albert A. F., assignee, trustee: *See—*
Ramage, Alexander S.
- Maxwell, Bernard L.: *See—*
Henderson, Lloyd F., and Maxwell.
- Maxwell, Bernard T., Fairport, N. Y. Prism system and prism system mount for optical viewing instruments. 2,456,521, Dec. 14.
- Maxwell, Donald E., Scotia, N. Y., assignor to General Electric Company. Overcurrent protective system for a direct-current load circuit. 2,440,108, Apr. 20.
- Maxwell, Hugh S., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,450,290, Sept. 28.
- Maxwell, Walter, Marshfield, Wis. Traction increasing wheel attachment. 2,443,261, June 15.
- Maxwell, William H.: *See—*
Campbell, Phillip, and Maxwell.
Wainwright, George R.
- Maxwell, William H., Elberton, Ga. Automatic saliva key for trombones. 2,446,378, Aug. 3.
- May & Baker Limited, assignee: *See—*
Barber, Harry J.
- May, Benjamin, assignor to May Machine Company, New York, N. Y. Battery core machine and method. 2,447,197, Aug. 17.
- May, Dennis W., assignee: *See—*
Childress, Patrick H.
- May, Donald R.: *See—*
Dixon, James K., and May.
- May, Earl C., Dallas, Tex. Gin brush. 2,450,679, Oct. 5.
- May, Edward M., Detroit, Mich. Fluid pressure apparatus. 2,434,668, Jan. 20.
- May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Manufacturing potassium tetraborate and sodium tetraborate. 2,455,595, Dec. 7.
- May, Frederick T.: *See—*
Laidig, Alfred H., and May.
- May, Frederick T., Verona, and R. A. Rehberg, Livingston, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wire winding and welding device. 2,451,169, Oct. 12.
- May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Manually operative selective control device. 2,438,410, Mar. 23.
- May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for a plurality of motors. 2,447,707, Aug. 24.
- May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Duplex control valve device. 2,450,481, Oct. 5.
- May, Harry C., East McKeesport, and R. R. Stevens, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control mechanism for propulsion systems. 2,433,916, Jan. 6.
- May, Henry E., assignor to Dearborn Chemical Company, Chicago, Ill. Continuous blowoff valve for steam boilers. 2,448,816, Sept. 7.
- May Machine Company, assignee: *See—*
May, Benjamin.
- May, Mike D., Durham, N. C. Pitch and chip golf game. 2,455,185, Nov. 30.
- May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic tuning controls for radio apparatus and the like. 2,444,840, July 6.
- May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Tuning device ratchet. 2,449,079, Sept. 14.
- May, Sam, assignor of one-half to R. T. Moloney, Chicago, Ill. Coin switch. 2,442,174, May 25.
- Maybery, Elbert, St. Louis, Mo. Snow skate. 2,439,311, Apr. 6.
- Mayer, Augustine, Jackson Heights, assignor to Morse Boulder Destructor Company, New York, N. Y. Telltale device. 2,442,275, May 25.
- Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Control valve for gaseous fuel burners. 2,434,215, Jan. 6.
- Mayer, Charles W.: *See—*
Gibson, William A., and Mayer.
- Mayer, Elmer L.: *See—*
McGovran, Edward R., Mayer, and Talley.
- Mayer, Ernest, Leipzig, Germany; vested in the Attorney General of the United States. Mold. 2,454,819, Nov. 30.
- Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Radio locating equipment. 2,457,580, Dec. 28.
- Mayer, John L., Kansas City, Mo. Guarded window assembly. 2,450,349, Sept. 28.
- Mayer, Max J., Scarsdale, N. Y. Production of titanium dioxide pigments. 2,444,939, July 13.
- Mayer, Max J., Scarsdale, N. Y. Production of titanium dioxide pigments. 2,444,940, July 13.
- Mayer, Michael, Cleveland, Ohio. Oven for heating asphalt tile and the like. 2,448,723, Sept. 7.
- Mayer, Nicholas L.: *See—*
Pluta, John J., Mayer, and St. John.
- Mayer, Waldemar F., Los Angeles, assignor to Aerojet Engineering Corporation, Azusa, Calif. Rotary reaction motor. 2,445,856, July 27.
- Mayerman, Phillip, Yonkers, N. Y. Portable drier. 2,445,403, July 20.
- Mayes, William G.: *See—*
Radcliffe, Milton R., and Mayes.
- Mayfield, Herbert D., Middlebourne, W. Va. Invalid's chair. 2,442,303, May 25.
- Mayfield, Orley J.: *See—*
Morehouse, Neal F., and Mayfield.
- Mayfield, Orley J., N. F. Morehouse, and A. W. Walde, Charles City, Iowa, assignors to Dr. Salisbury's Laboratories. Composition for control of poultry coccidiosis. 2,449,080, Sept. 14.
- Mayfield, Orley J., N. F. Morehouse, and A. W. Walde, Charles City, Iowa, assignors to Dr. Salisbury's Laboratories. Composition for control of poultry coccidiosis. 2,449,081, Sept. 14.
- Mayle, Albert T., Jr.: *See—*
Salinger, Hans W. G., and Mayle.
- Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Frequency comparison apparatus. 2,437,609, Mar. 9.
- Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse keying circuit. 2,442,304, May 25.
- Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Modulator. 2,442,305, May 25.
- Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,438,713, Mar. 30.
- Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener-applying implement. 2,445,179, July 13.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Stonington, Conn. Magazine and feed means for stapling machines. 2,445,180, July 13.
- Maynard, Carl W., Jr.: *See—*
Rossander, Swanie S., Sparks, and Maynard.

- Maynard, Charles E., assignor to The Pro-Phy-Lac-Tic Company, Florence, Mass. Method for making plastic comb holders. 2,437,884, Mar. 16.
- Maynard, Charles E., assignor to Pro-Phy-lac-tic Brush Company, Northampton, Mass. Making plastic articles by injection molding. 2,442,368, June 1.
- Maynard, Charles E., assignor to The Pro-Phy-Lac-Tic Brush Company, Florence, Mass. Making a holder of plastic material for pocket combs and the like. 2,454,194, Nov. 16.
- Maynard, Edward B., Riverside, Conn. Structural members and system. 2,441,364, May 11.
- Maynard, Frederick A.: *See*—
Gerspacher, Thomas S., and Maynard.
- Maynard, James, Hawthorne, assignor to Elgin Rowland Parker, Seal Beach, Calif. Burner valve device. 2,438,447, Mar. 23.
- Maynard, Meade J., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller pitch changing arrangement. 2,446,658, Aug. 10.
- Mayne, Robert, Akron, Ohio. Apparatus for manifesting acceleration. 2,440,342, Apr. 27.
- Mayne, Robert, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Method and apparatus for centrifugally forming of sheet thermoplastics. 2,448,492, Aug. 31.
- Mayne, William O., assignee: *See*—
Washburn, Frank.
- Mayner, Thomas S.: *See*—
Corey, Lorin A., and Mayner.
- Mayner, Thomas S., Willoughby Township, Lake County, and E. P. Hurayt, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread drying apparatus. 2,456,974, Dec. 21.
- Mayo, Alfred M., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft cooling by air turbine means. 2,453,923, Nov. 16.
- Mayo, Belmont F., Providence, R. I. Ticket holder. 2,448,900, Sept. 7.
- Mayo, Bernard J., Hayes, assignor to Electric & Musical Industries Limited, Middlesex, England. Electron discharge device and associated circuit. 2,445,404, July 20.
- Mayo, Edward L., Cleveland, and A. G. Getz, Lakewood, assignors to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Refrigerator tractor. 2,443,472, June 15.
- Mayo, Marion S., Los Angeles, Calif. Method of and apparatus for spinning cotton and other textile fibers. 2,451,504, Oct. 19.
- Mayo Visor Co., assignee: *See*—
Laing, Charles W. G.
- Mayrath, Robert L., Dodge City, Kans. Multiple motor speed synchronizing balancing device. 2,452,064, Oct. 26.
- Mayrath, Thomas L., Dodge City, Kans. Sliding jaw wrench with oppositely-threaded screw adjustment. 2,437,267, Mar. 9.
- Mays, John T.: *See*—
Gardner, William R., and Mays.
- Maytag Company, The, assignee: *See*—
Smith, Thomas R.
- Mazzella, Antonio, New Haven, Conn. Producing hoisting slings. 2,435,088, Jan. 27.
- McAfee, Clarence E., Hobart, Ind. Repairing and repaired cracked metal walls. 2,446,291, Aug. 3.
- McAfee, Jerry: *See*—
Becker, Bernard M., and McAfee.
- McAleer, Charles A., Miami, Fla. Projectile game apparatus. 2,441,641, May 18.
- McAlevy, Ambrose: *See*—
Hamblet, Clement H., and McAlevy.
- McAllister, Alma S., Morris, Minn. Combination girdle and pantie. 2,437,830, Mar. 16.
- McAllister, Harley J., Wheaton, Ill. Vacuum cleaner. 2,441,365, May 11.
- McAllister, Sumner H.: *See*—
Cheney, Harry A., and McAllister.
Cheney, Harry A., Dagley, and McAllister.
- McAllister, Sumner H., Lafayette, and E. F. Bullard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of motor fuels. 2,435,402, Feb. 3.
- McAllister, Sumner H., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Interpolymerization of isoamylene with normal butenes and isobutene. 2,440,286, Apr. 27.
- McAllister, Sumner H., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Production of motor fuel components. 2,456,975, Dec. 21.
- McAllister, William H., Lincoln, N. C. Choke attachment for gun barrels. 2,442,899, June 8.
- McAlpine, Roderick K., U. S. Army, J. B. Retallack, New York, N. Y., and G. R. Stibitz, Boonton, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for transmitting and recording indications of measuring devices to distant points. 2,444,202, June 29.
- McArdle, Edward H., Linden, N. J., assignor to Standard Oil Development Company. Preparing aromatic nitro compounds and amines. 2,454,468, Nov. 23.
- McArdle, Edward H., Linden, and D. M. Mason, Elizabeth, assignors to Standard Oil Development Company. Chemical process. 2,435,792, Feb. 10.
- McArdle, James W., assignor to Colostom-Ease Inc., Pittsburgh, Pa. Colostomy irrigator. 2,434,327, Jan. 13.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device and coaxial line cavity resonator therefor. 2,434,115, Jan. 6.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency resonator device. 2,434,116, Jan. 6.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Light sensitive electric discharge device. 2,434,622, Jan. 13.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electron tube structure. 2,446,379, Aug. 3.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Magnetron. 2,446,826, Aug. 10.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Photosensitive discharge device. 2,451,850, Oct. 19.
- McArthur, Elmer D., Schenectady, and J. E. Beggs, Scotia, N. Y., assignors to General Electric Company. Ultra-high frequency electric discharge device and cavity resonator apparatus therefor. 2,446,017, July 27.
- McArthur, James E., San Francisco, Calif. Bobby pin dispenser and spreader. 2,434,047, Jan. 6.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Fastening device. 2,448,817, Sept. 7.
- McAulay, David B., Bethesda, Md. Cargo snubber. 2,444,055, June 29.
- McBee Company, The, assignee: *See*—
Connor, Roger.
Curtis, Lester L.
Welk, Nelson S.
- McBee, Earl T., and Z. D. Welch, Lafayette, assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorination of carbon tetrachloride. 2,443,630, June 22.
- McBee, Earl T., West Lafayette, Ind., and W. E. Weesner, Richmond Heights, Mo., assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorinated ethers. 2,452,944, Nov. 2.
- McBee, Earl T., Lafayette, and P. A. Wiseman, assignors to Purdue Research Foundation, West Lafayette, Ind. Perfluoroadipic acid. 2,453,146, Nov. 9.
- McBee, Earl T., Lafayette, and P. A. Wiseman, Muncie, assignors to Purdue Research Foundation, Lafayette, Ind. Esters of perfluoroadipic acid. 2,453,147, Nov. 9.
- McBee, Earl T., West Lafayette, Ind., and L. W. Devaney, Beacon, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Making hexachlorobutadiene. 2,454,820, Nov. 30.
- McBride, Charles, assignor to Joy Toys, Inc., Tampa, Fla. Toy ferris wheel. 2,437,000, Mar. 2.
- McBride, Edward J., assignee: *See*—
Moore, William E.
- McBride, Edward T., U. S. Army, Hawthorne, N. J., assignor to United States of America as represented by the Secretary of War. Rifling band. 2,442,369, June 1.
- McBride, John W., Burbank, Calif. Musical instrument. 2,456,008, Dec. 14.
- McBride, Robert L., New York, N. Y. Clamping mechanism. 2,449,172, Sept. 14.
- McCabe, Edward J., assignor to Milton Kessler, Youngstown, Ohio. Flashlight. 2,435,689, Feb. 10.
- McCabe, Ira E., Chicago, Ill. Electrical switch structure. 2,442,981, June 8.
- McCabe, Ira E., Chicago, Ill. Electric switch. 2,451,107, Oct. 12.
- McCabe, Ira E., Chicago, Ill. Sealed electric motor and transmission. 2,452,945, Nov. 2.
- McCabe, Louis P., Hollis, N. Y. Preventing distortion in butt-welded plates. 2,449,082, Sept. 14.
- McCaffrey, Evelyn, Jamaica, N. Y. Bathing cap. 2,447,708, Aug. 24.
- McCain, Byrl N., San Jose, Calif. Trailer. 2,457,581, Dec. 28.
- McCain, Henry C., Compton, assignor of fifty per cent to A. L. Hughes, Walnut Park, Calif. Paintbrush suspension. 2,447,764, Aug. 24.
- McCaleb, Albert G., assignee: *See*—
Wheeler, Harold B.
- McCaleb, Jonathan H., Amite, La. Variable capacity rotary pump. 2,448,108, Aug. 31.
- McCall, Fred H., Neptune, and P. Devreotes, Eatontown, N. J. Shield box and tuning mechanism for electron tubes. 2,453,148, Nov. 9.
- McCallum, Robert A., Clarendon Hills, assignor to A M I Incorporated, Chicago, Ill. Color-pattern generating device. 2,443,510, June 15.
- McCan, Malcolm E., Kokomo, Ind. Iron holder. 2,448,227, Aug. 31.
- McCandless, Edward: *See*—
Barnes, Malcolm H., and McCandless.
- McCandless, James C.: *See*—
Jenni, Arthur.
- McCandless, William, Toledo, Ohio. Fuel tank gage. 2,437,203, Mar. 2.
- McCann, Gordon, Oakland, Calif. Portable shower unit. 2,454,518, Nov. 23.
- McCarl, Howard H., Washington, D. C. Swinging loop handle construction. 2,444,056, June 29.

- McCarl, Howard H., Washington, D. C. Stacking receptacle. 2,447,022, Aug. 17.
- McCarn, Burtis B., Jersey City, N. J. Integral trolley rail. 2,442,774, June 8.
- McCarter, John J.: *See*—
Bennett, James B., and McCarter.
- McCarthy, Charles S., Birmingham, assignor to American Forging and Socket Company, Pontiac, Mich. Brake applying mechanism. 2,437,396, Mar. 9.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency switching device. 2,438,873, Mar. 30.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency electronic tube. 2,444,303, June 29.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency electronic tube. 2,454,741, Nov. 23.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube. 2,455,310, Nov. 30.
- McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency electronic tube. 2,456,563, Dec. 14.
- McCarthy, John F.: *See*—
Dunham, Frank.
- McCarthy, Patrick G.: *See*—
Lynam, John E., and McCarthy.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Block grease compositions. 2,450,149, Sept. 28.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rust preventive chromium compounds and compositions containing them. 2,450,806, Oct. 5.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rust preventive chromium compounds and compositions containing them. 2,450,807, Oct. 5.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Grease composition. 2,457,582, Dec. 28.
- McCarthy, Samuel M., Columbus, Ga. Air charger for storage tanks. 2,450,291, Sept. 28.
- McCartney, Edward R., Altadena, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas purification and dehydration process. 2,435,089, Jan. 27.
- McCartney, William J., San Francisco, Calif. Outlet box and plug-in connections therefor. 2,433,917, Jan. 6.
- McCarty, Glenn W., Wichita, Kans. Pneumatic grain conveyor. 2,450,053, Sept. 28.
- McCarty, Harry G., Martin, Ky. Surgical splint. 2,440,964, May 4.
- McCarty, Lawrence J.: *See*—
Wean, Lincoln E., and McCarty.
- McCarty, Lourdes V., assignor to Automatic Products Company, Milwaukee, Wis. Different density fuel level control device. 2,436,933, Mar. 2.
- McCarty, Orin P., Pittsfield, Mass., assignor to General Electric Company. Tap changing system. 2,434,503, Jan. 13.
- McCaslin, Henry C., Dexter, assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Vehicle torsion bar individual wheel suspension. 2,457,583, Dec. 28.
- McCaslin, James F., Cleveland, Ohio. Inertia actuated magnetic fuse firing pin. 2,436,396, Feb. 24.
- McCaslin, James F., Cleveland, Ohio. Delay arming device. 2,446,545, Aug. 10.
- McCaslin, James F., Cleveland, Ohio, and J. Fink, Delavan, Wis., said Fink assignor to The George W. Borg Corporation, Chicago, Ill. Delay booster arming mechanism. 2,448,228, Aug. 31.
- McCaslin, James F., Cleveland, Ohio, and J. Fink; said Fink assignor to The George W. Borg Corporation, Delavan, Wis. Delay arming device for fuses. 2,457,254, Dec. 28.
- McCauley, Claudius R., New Orleans, La. Switch control device. 2,451,232, Oct. 12.
- McCain, Herbert K., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Fatty acids from cottonseed foots. 2,435,456, Feb. 3.
- McCain, Joseph W., Logansport, Ind., assignor to General Electric Company. Electric switch contact. 2,443,047, June 8.
- McClary, Archie W., Oakland, Calif. Welding rod holder. 2,448,994, Sept. 7.
- McClary, Charles D., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Emulsion-polymerization of butadiene-1,3 hydrocarbons. 2,457,701, Dec. 28.
- McClary, Rush F., Beacon, assignor to The Texas Company, New York, N. Y. Lubricating oil. 2,440,375, Apr. 27.
- McClary, Rush F., Beacon, and S. M. Roberts, Glenham, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,451,037, Oct. 12.
- McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency radiation system. 2,438,343, Mar. 23.
- McClellan, George T.: *See*—
McClellan, Harry R., and G. T.
- McClellan, Harry R. and G. T., Detroit, Mich. Extension spotlight. 2,443,009, June 8.
- McClellan, Stephen A., Glen Cove, assignor to Specialties, Inc., Locust Valley, N. Y. Erector system for gyroscopes. 2,435,090, Jan. 27.
- McClelland, James B., Wilkensburg, Pa. Metalworking machine. 2,439,015, Apr. 6.
- McClenahan, Francis M., Monmouth, Ill. Converting normal ammonium fluoride to ammonium bifluoride. 2,446,484, Aug. 3.
- McClew, John W., and O. A. Pearce, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Testing arrangement for finder switches in telephone systems. 2,442,092, May 25.
- McClintock, Cecil V., Whittier, assignor to Pacific Clay Products, Los Angeles, Calif. Vitrified clay pipe joint. 2,448,271, Aug. 31.
- McClintock, Lewis C., Palmdale, Calif., assignor to D. M. Brown, Pittsburgh, Pa. Extensible plank or the like. 2,447,865, Aug. 24.
- McClure, Glenn T., and J. W. Rush, Wilkensburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,454,469, Nov. 23.
- McClure, Glenn T., McKeesport, and J. W. Rush, Wilkensburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve apparatus. 2,457,584, Dec. 28.
- McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with expandable fuel reservoir. 2,440,447, Apr. 27.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heat exchange method and apparatus. 2,441,279, May 11.
- McCollum, Henry J. D., deceased, by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Ram operated aircraft heater with ram anti-icing means. 2,443,262, June 15.
- McCollum, Henry J. D., deceased; Thelma McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Tubular hot-air heater. 2,443,920, June 22.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with air-heating tubes. 2,451,628, Oct. 19.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Sectional hot-air heater. 2,451,629, Oct. 19.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heater with combustion air control. 2,451,760, Oct. 19.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion aircraft-type heater. 2,451,627, Oct. 19.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater for heating air. 2,451,851, Oct. 19.
- McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Combustion heater having air preheating and carbureting means. 2,452,779, Nov. 2.
- McCollum, Henry J. D., deceased, Chicago, Ill.; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Nonpulsating internal-combustion heater. 2,452,780, Nov. 2.
- McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.
McCollum, Henry J. De N.
- McComb, Richard J.: *See*—
Woodings, Wilbert H., Skowron, and McComb.
- McComb, Richard J., Chicago, Ill. Rail anchor. 2,446,842, Aug. 10.
- McComb, Robert D., Schenectady, N. Y., assignor to General Electric Company. Speed ratio control. 2,443,048, June 8.
- McComble, Horace R., Pittsburg, and C. D. Wilder, Berkeley, Calif., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Low humidity meter. 2,444,613, July 6.
- McConahey, Theodore D., and F. C. Redell, assignors to J. M. Huber Corporation, Borger, Tex. Polish rod hanger. 2,444,842, July 6.
- McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Phase responsive protective relaying system. 2,456,976, Dec. 21.
- McConnell, Edmond S., Scarborough, N. Y., W. K. Priestley, West Barrington, and V. F. Volk, Bristol, R. I., assignors to United States Rubber Company, New York, N. Y. Insulated electrical conductor. 2,446,292, Aug. 3.
- McConnell, Leslie F., Birmingham, Ala., assignor to McConnell Sales and Engineering Corporation. Direct fuel fired unit air heater. 2,452,946, Nov. 2.
- McConnell Sales and Engineering Corporation, assignee: *See*—
McConnell, Leslie F.
- McConway & Torley Corporation, assignee: *See*—
Leppla, Rudolph.
- McCord Corporation, assignee: *See*—
Hayward, James R., Schild, and Hartup.
Urso, Ralph F.

- McCordic, Herbert E., Groton, S. Dak. Gas generator for combustible farm wastes. 2,441,161, May 11.
- McCorkhill, Jesse C., Xenia, Ohio. Impact screwdriver. 2,448,995, Sept. 7.
- McCorkle, Miles R.: *See*—
Ralston, Anderson W., McCorkle, and Vander Wal.
- McCormack, Alex A., Cleveland, assignor to General Motors Corporation, Dayton, Ohio. Terminal structure for refrigerating apparatus. 2,438,572, Mar. 30.
- McCormack, Arden J., Portland, Mich. Field pick up hay chopper. 2,439,259, Apr. 6.
- McCormack, John C.: *See*—
Perry, Cam R., and McCormack.
- McCormack, Robert B., Milltown, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing penicillin. 2,437,918, Mar. 16.
- McCormack, Robert B., Milltown, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing penicillins. 2,457,585, Dec. 28.
- McCormick Armstrong Company, assignee: *See*—
Van Wormer, Willard J., Jr., and Hawkins.
- McCormick, Clarence E.: *See*—
Love, Fred W., and McCormick.
- McCormick, Claud E., Snyder, Tex. Storage tank rack. 2,455,017, Nov. 30.
- McCormick, Darwin M., Springfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,442,820, June 8.
- McCormick, Elmer, Waterloo, Iowa, assignor to Deere Manufacturing Co. Fluid power unit. 2,442,306, May 25.
- McCormick, Francis H., assignor to General Motors Corporation, Dayton, Ohio. Electric heating system for ovens. 2,434,467, Jan. 13.
- McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Surface heater for electric ranges. 2,442,659, June 1.
- McCormick, Francis H., assignor to General Motors Corporation, Dayton, Ohio. Electric oven heating system. 2,442,900, June 8.
- McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic electric heater. 2,455,186, Nov. 30.
- McCoy, Howard M., Patterson Field, Ohio. Selective control mechanism for governor-controlled aircraft propellers. 2,447,023, Aug. 17.
- McCormick, Irma G.: *See*—
Balch, Ralph H., and McCormick.
- McCormick, J. Wesley, Vallejo, Calif. Boatswain's chair. 2,433,859, Jan. 6.
- McCormick, James A., Kalamazoo, Mich., assignor to Fruit and Produce Packing, Incorporated, Indianapolis, Ind. Method and packing structure for high packing handled baskets with fruit. 2,452,204, Oct. 26.
- McCormick, James T., Topeka, Kans. Propeller blade. 2,453,803, Nov. 16.
- McCoy, Edward A., Eau Claire, Wis., assignor, by mesne assignments, to Jas. P. Marsh Corporation, Skokie, Ill. Bourdon tube end cap. 2,455,512, Dec. 7.
- McCoy, Ernest F., Miami, Fla. Helicopter toy. 2,443,144, June 8.
- McCoy, George E.: *See*—
Battley, Edwin R., and McCoy.
- McCoy, Howard M., Fairfield, Ohio. Aircraft propeller. 2,437,701, Mar. 16.
- McCoy, Howard M., Patterson Field, Ohio. Mechanism and controls for controllable aircraft propellers; complete propeller with automatic controls. 2,455,378, Dec. 7.
- McCoy, Rawley D.: *See*—
Somers, Brock A., McCoy, and Lilienthal.
- McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Phase shift circuits. 2,452,586, Nov. 2.
- McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Network measuring apparatus. 2,452,587, Nov. 2.
- McCoy, Walter J., Catasauqua, Pa., assignor to Lehigh Portland Cement Company, Allentown, Pa. Light weight aggregate and producing same. 2,456,207, Dec. 14.
- McCray Refrigerator Company, assignee: *See*—
Bently, George K.
- McCready, Rolland M.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.
- McCready, Rolland M., H. S. Owens, and W. D. Maclay, Berkeley, Calif., assignors to United States of America, as represented by the Secretary of Agriculture. Isolating low-methoxyl pectinic acids. 2,448,818, Sept. 7.
- McCreath, David: *See*—
Lewis, John R., McCreath, and Reynolds.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic frequency changer. 2,445,857, July 27.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Grid-controlled rectifier circuit. 2,451,344, Oct. 12.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency changer. 2,455,078, Nov. 30.
- McCrory, Harrell S.: *See*—
Arthur, Harry J., and McCrory.
- McCrosky, Donald W., Lansdowne, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Unloading circuit. 2,445,836, July 27.
- McCrum, Walter I.: *See*—
Bowen, William S., and McCrum.
- McCue, James H., Pasadena, Calif. Spray booth. 2,445,074, July 13.
- McCue, William J.: *See*—
McKee, Harry H., Keefer and McCue.
- McCollar, David F., Lawrenceburg, Tenn. Rotator hinge. 2,441,430, May 11.
- McCulloch, Robert P., Fox Point, and J. L. Ryde, Milwaukee, Wis., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Interengaging impeller rotary positive displacement blower. 2,448,901, Sept. 7.
- McCulloch, Robert P., J. L. Ryde, and A. Gudmundsen, Milwaukee, Wis., said Ryde and said Gudmundsen assignors to said McCulloch. Piston for rotary engines. 2,450,150, Sept. 28.
- McCulloch, Thomas, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Extensible conveyor of the endless belt type. 2,436,657, Feb. 24.
- McCulloch, Walter G.: *See*—
Barnes, Robert R., and McCulloch.
- McCullough, Cameron B., Hollywood, Calif. Sound transmission control system. 2,455,691, Dec. 7.
- McCullough, Delbert, Fairfield, Ill., assignor to Chefford Master Manufacturing Co., Inc. Bicycle generator regulated by rotor torque variations. 2,453,523, Nov. 9.
- McCullough, Francis J., Chicago, Ill. Liquid temperatizing vat. 2,446,054, July 27.
- McCullough, Ira J., assignor to McCullough Tool Company, Los Angeles, Calif. Well casing perforating gun and cartridge. 2,456,977, Dec. 21.
- McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.
- McCullough, Robert W.: *See*—
Ames, Robert S., McCullough, and Peterson.
- McCullough Tool Company, assignee: *See*—
McCullough, Ira J.
- McCutchen, Alan J., Washington, D. C. Buoyant attachment for standard tanks. 2,453,149, Nov. 9.
- McCune, Joseph C., Edgewood, and G. K. Newell, Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia operated control device. 2,435,319, Feb. 3.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control system. 2,440,843, Apr. 27.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Deceleration control apparatus. 2,447,709, Aug. 24.
- McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Deceleration control apparatus. 2,447,710, Aug. 24.
- McCurdy, Everett D., trustee: *See*—
Brennan, Joseph B.
- McCurdy, Everett D., assignee, trustee: *See*—
Brennan, Joseph B.
- McDade, John B., Scranton, Pa. Loading machine. 2,441,581, May 18.
- McDade, John B., Scranton, Pa. Loading machine. 2,441,582, May 18.
- McDaniel, Ernest C., Denver, Colo. Trailer dolly. 2,447,659, Aug. 24.
- McDaniel, Lloyd E.: *See*—
Fosfer, Jackson W., and McDaniel.
- McDaniel, Raymond, Los Angeles, Calif., assignor to F. W. Stewart Manufacturing Corporation. Applying lubricating grease to shafts. 2,441,642, May 18.
- McDaniel, Robert S.: *See*—
Hengstebeck, Robert J., and McDaniel.
- McDaniel, Thomas, Jr., Cincinnati, Ohio. Assembling the power section of radial engines. 2,443,830, June 22.
- McDearmon, George W., Baton Rouge, La. Mold for concrete weight for iron pipe lines. 2,453,804, Nov. 16.
- McDermott, Henry J.: *See*—
Fry, Horace P., Stanley, and McDermott.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for preparing yarn and thread packages for liquid treatment. 2,436,481, Feb. 24.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Tension device. 2,438,180, Mar. 23.
- McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing device. 2,441,583, May 18.
- McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Yarn feed and distributor wheel. 2,447,131, Aug. 17.
- McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Compounded lubricated oil. 2,436,589, Feb. 24.
- McDermott, Paul F., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method of and apparatus for making tubular coverings. 2,445,231, July 13.

- McDermott, Paul F., Martinsville, N. J., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Making tubular coverings. 2,445,624, July 20.
- McDermott, Scott J., Port Washington, N. Y., and H. J. Koskos, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device for simulating radarscope images. 2,443,631, June 22.
- McDevitt, John J., assignee, et al.: *See*—DiRenzo, Simon.
- McDill, Rex D., Cleveland Heights, Ohio. Visual inspection projection apparatus. 2,456,296, Dec. 14.
- McDonald, Austin R., assignee: *See*—McDonald, Paul.
- McDonald, Eugene F., Jr., Chicago, Ill. Combined dial scale, switch operator, and position indicator. 2,437,610, Mar. 9.
- McDonald, Eugene F., Jr., Winnetka, Ill. Remote radio tuning control system. 2,445,031, July 13.
- McDonald, Eugene F., Jr., Chicago, Ill. Automobile radio remote control. 2,452,384, Oct. 26.
- McDonald, Eugene F., Jr., Chicago, Ill. Device for releasing snagged fishing lures or baits. 2,453,245, Nov. 9.
- McDonald, Paul, Danville, assignor of one-half to A. R. McDonald, New London, Iowa. Portable power saw having a horizontal circular saw swingable in a horizontal plane and movable vertically. 2,441,431, May 11.
- McDonnell Aircraft Corporation, assignee: *See*—Platt, Haviland H.
- Platt, Haviland H., and Le Page.
- McDonnell, Harry E., Steubenville, Ohio. Metallurgical apparatus. 2,445,743, July 20.
- McDonnell & Miller, Inc., assignee: *See*—Kmieciak, Leo J.
- McDonough, Everett G., Yonkers, and V. M. McGoldrick, Jackson Heights, N. Y. Permanently waving hair. 2,434,279, Jan. 13.
- McDonough, John J., Belmont, assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine. 2,436,318, Feb. 17.
- McDonough, William P., Gunnison, assignor to R. Andrews, Colorado Springs, Colo. Cattle restraining chute. 2,438,322, Mar. 23.
- McDougall, George F., Portland, Oreg. Turn signal control for vehicles. 2,446,337, Aug. 3.
- McDougal, Taine G., Flint, assignor to General Motors Corporation, Detroit, Mich. Spark plug electrode. 2,449,403, Sept. 14.
- McDowell, Clarence M., Toledo, Ohio. Peeling machine including endless transversely deformable abrading belts. 2,448,229, Aug. 31.
- McDowell, Creighton J., Westmount, assignor to Dominion Merchants Company Limited, St. Laurent, Quebec, Canada. Explosive sealing heads for containers. 2,436,364, Feb. 17.
- McDowell, Henry W., U. S. Navy, Summit, N. J. Plotting apparatus. 2,433,860, Jan. 6.
- McDowell, Josephine M.: *See*—Lake, George R., and McDowell.
- McDowell, William, Glendale, Calif. Rolling pin. 2,451,170, Oct. 12.
- McDunnah, Frederick A., Hampton Falls, N. H. Velocipede toy shovel attachment. 2,455,692, Dec. 7.
- McElherne, Paul F., assignor to Standard Oil Company, Chicago, Ill. Stripping of spent catalyst in a hydrocarbon conversion process. 2,457,255, Dec. 28.
- McElhinney, Eric M., Dysart, Iowa. Coupling device. 2,444,575, July 6.
- McElhose, Robert T., Oakmont, Pa. Coupler for air lines. 2,450,808, Oct. 5.
- McElrath, Thomas, Jr.: *See*—Robbins, James C., and McElrath.
- McElvain, Samuel M., Madison, Wis., and T. P. Carney, Indianapolis, Ind. Substituted esters of benzoic acid. 2,439,818, Apr. 20.
- McElvain, Samuel M., Madison, Wis., and T. P. Carney, Indianapolis, Ind. 3-(2'-methyl piperidino)-propyl-p-n-butoxy benzoate and acid addition salts thereof. 2,448,996, Sept. 7.
- McElvain, Samuel M., Madison, Wis., and T. P. Carney, Indianapolis, Ind. Piperidine propanol esters of phenyl acetic acid. 2,448,997, Sept. 7.
- McElvain, Samuel M., Madison, Wis., and T. P. Carney, Indianapolis, Ind. 3-(2',6'-dimethylpiperidino)-propyl salicylate and acid addition salts thereof. 2,448,998, Sept. 7.
- McEwen, Elmer L., Seattle, Wash. Door lock. 2,443,396, June 15.
- McEwen, Norman S., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Plural compartment tumbler type washing machine. 2,434,468, Jan. 13.
- McEwen, Norman S., assignor to Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Valve. 2,454,077, Nov. 16.
- McEwen, Samuel M., Baltimore, Md. Subsoiler and aerator. 2,439,743, Apr. 13.
- McFadden, James B., assignor to United Dairy Equipment Company, West Chester, Pa. Apparatus for homogenizing mixed liquid ingredients. 2,441,711, May 18.
- McFadden, James B., assignor to United Dairy Equipment Company, West Chester, Pa. Cream separator and homogenizer. 2,453,924, Nov. 16.
- McFall, Thurlow E., Sparta, Mich. Piston ring. 2,439,546, Apr. 13.
- McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Detonating fuse. 2,445,032, July 13.
- McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Control for change speed drive mechanism. 2,441,712, May 18.
- McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,443,688, June 22.
- McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Elastic rotational system. 2,446,942, Aug. 10.
- McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle transmission and control mechanism therefor. 2,448,678, Sept. 7.
- McFarland, Joseph L., Cairo, W. Va., and K. Matzinger, Detroit, Mich. Cable and cable connector fatigue testing machine. 2,452,588, Nov. 2.
- McFarlin, John R., Philadelphia, Pa., assignor to Electric Service Manufacturing Company. Excessive potential discharge device. 2,453,719, Nov. 16.
- McFeathers, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Works. Water-cooled port structure for tilting hearth furnaces. 2,435,318, Feb. 3.
- McGaffey, Neill F., Inglewood, assignor to Radioplane Company, Van Nuys, Calif. Torque stabilizer for aircraft. 2,436,521, Feb. 24.
- McGann, Richard W., assignee, et al.: *See*—Sebell, Harry.
- McGarr, Walter J., Cordele, Ga. Posthole digger. 2,456,208, Dec. 14.
- McGarry, John T., deceased; M. F. McGarry, executrix, assignor to Railroad Products Company, Cincinnati, Ohio. Water service apparatus. 2,438,815, Mar. 30.
- McGarry, Mary E., executrix: *See*—McGarry, John T.
- McGary, Charles E.: *See*—McGary, Francis L. and C. E.
- McGary, Francis L. and C. E., Hardinsburg, Ky. Center cut shear. 2,442,424, June 1.
- McGary, Francis L. and C. E., Hardinsburg, Ky. Shear. 2,449,561, Sept. 21.
- McGary, Francis L. and C. E., Hardinsburg, Ky. Shipping container. 2,457,702, Dec. 28.
- McGee, Edward F., Wayland, Mass. Making sweet chocolate. 2,451,630, Oct. 19.
- McGee, Hugh P., Reading, Mass., assignor to General Electric Company. High-speed rotor. 2,441,432, May 11.
- McGee, James D., London, assignor to Electric & Musical Industries Limited, Hayes, England. Manufacture of mosaic screens. 2,455,513, Dec. 7.
- McGee, Jesse M., Oak Park, assignor to Roberts and Schaefer Company, Chicago, Ill. Apparatus for pneumatically separating relatively moist comminuted material. 2,446,140, July 27.
- McGee, Leland T., Los Angeles, Calif., assignor to Hydro-Speed Equipment Co. Power-operated scraper. 2,451,294, Oct. 12.
- McGee, Robert B., Imperial Beach, Calif. Shielded socket for radio tubes. 2,441,938, May 18.
- McGee, Robert V. J.: *See*—Munday, John C., and McGee.
- McGee, Robert V. J., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerization process. 2,444,057, June 29.
- McGeorge, Walter, Kingston Hill, and F. H. Milner, Twickenham, England. Preparation of carbonate salts of calcium and magnesium. 2,453,446, Nov. 9.
- McGill, Allen: *See*—Strickland, George M., and McGill.
- McGill, Chester T., Elgin, Ill. Fluid conditioning tank containing conditioning material and a receptacle therein containing different conditioning material. 2,435,975, Feb. 17.
- McGill, Chester T., Elgin, and H. C. Rowe, Jr., Chicago, assignors to Elgin Softener Corporation, Elgin, Ill. Electrochrometric control device for a water treating device comprising a motor operated valve mechanism having an electrically connected time switch. 2,447,520, Aug. 24.
- McGill, Daniel F., Portland, Oreg. Floating sealing device. 2,452,253, Oct. 26.
- McGill, John H., Manchester, England, assignor to Imperial Chemical Industries Limited. Flexible sheet material comprising a surface coating containing polyvinyl chlorides. 2,439,051, Apr. 6.
- McGill Manufacturing Company, assignee: *See*—Popp, Ruffid, and Carlson.
- McGill Metal Products Corporation, assignee: *See*—Stilson, Herbert A.
- McGillcuddy, Addeline J., Spokane, Wash., assignor of one-fifth to B. H. Levenson, Washington, D. C., and two-fifths to F. L. Towne or B. Towne, his wife, Spokane, Wash. Polymers of vinyl chloride plasticized with a dioctyl phthalate and liquid petrolatum. 2,450,435, Oct. 5.
- McGinnis, Albert S., and Harry Berry, Cairo, assignors to Industrial Patents Corporation, Chicago, Ill. Lint cleaning apparatus. 2,439,179, Apr. 6.

- McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Closure cap. 2,440,149, Apr. 20.
- McGinty, Lawrence, Frodsham, near Warrington, Cheshire, England, assignor to Imperial Chemical Industries Limited, Fluorodihalo esters. 2,454,663, Nov. 23.
- McGlaun, Jasper E., Shellman, Ga. Resilient wheel. 2,439,312, Apr. 6.
- McGoffin, William W., Olympia, Wash., assignor of one-fifth to S. S. Baker, New York, N. Y. Automatic radio call apparatus. 2,446,943, Aug. 10.
- McGoldrick, Raymond T.: *See*—
Allnutt, Ralph B., and McGoldrick.
- McGoldrick, Virginia M.: *See*—
McDonough, Everett G., and McGoldrick.
- McGovern, Henry P., Fayville, assignor to Dennison Manufacturing Company, Framingham, Mass. Manufacture of cardboard boxes. 2,438,509, Mar. 30.
- McGovney, Albert C., assignor to Multiscope, Inc., Coffeyville, Kans. Oil well pump. 2,435,179, Jan. 27.
- McGovney, Clarence L., Elizabeth, N. J. Nasal filter. 2,448,724, Sept. 7.
- McGovran, Edward R., Hyattsville, Md., and W. A. Gersdorff, McLean, Va., dedicated to the free use of the People in the territory of the United States. Insecticides. 2,441,433, May 11.
- McGovran, Edward R., Hyattsville, Md., E. L. Mayer, Anaheim, Calif., and F. B. Talley, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Synergistic insecticidal compositions. 2,449,533, Sept. 14.
- McGowan, John C.: *See*—
Bailey, Eric J. G. Page, and McGowan.
- McGranahan, Willard B., assignee: *See*—
Riddick, William M.
- McGrath, Wallace J.: *See*—
Lucey, John E., and McGrath.
- McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Plural stage refrigeration system and control therefor. 2,453,095, Nov. 2.
- McGraw Electric Company, assignee: *See*—
Ireland, Murray.
Olving, Bror G.
Osterheld, Clark M.
- McGreal, Martin E.: *See*—
Niederl, Joseph B. and V., and McGreal.
- McGregor, Rob Roy, Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Organo-silicon polymers and methods of making them. Re. 2,380,60, Dec. 14.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, assignors to Corning Glass Works, Corning, N. Y. Organo-silicon polymers and preparing them. 2,435,147, Jan. 27.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, assignors to Corning Glass Works, Corning, N. Y. Chlorinated dimethyl silicone polymers. 2,435,148, Jan. 27.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Sulfuric acid polymerization of diorganosiloxanes. 2,437,204, Mar. 2.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Dimethyl silicone polymers and making them. 2,439,856, Apr. 20.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Dialkylated silicon esters and making them. 2,442,053, May 25.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Liquid polymeric dimethyl silicones. 2,452,254, Oct. 26.
- McGrew, Edward N., Fort Smith, Ark. Insect trap. 2,435,317, Feb. 3.
- McGrew, Frank C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methylol melamine ethers and their manufacture. 2,454,078, Nov. 16.
- McGrogan, John F., assignor to The Atlantic Refining Company, Philadelphia, Pa. Grease composition. 2,457,586, Dec. 28.
- McIlvaine, Hubert A., assignor to Continental Electric Company, Geneva, Ill. Lamp device. 2,446,712, Aug. 10.
- McIlvaine, Oran T., St. Charles, Ill. Dew point detector. 2,435,895, Feb. 10.
- McIlvaine, Oran T., St. Charles, Ill. Light responsive burner control system. 2,435,896, Feb. 10.
- McIlvaine, Oran T., St. Charles, Ill. Photoelectric tube. 2,451,400, Oct. 12.
- McIlvaine, Robert L.: *See*—
Christensen, Alfred C., and McIlvaine.
- McIlvaine, Robert L., Glencoe, assignor to H. S. Simpson, Evanston, Ill. Material reclamation system. 2,457,587, Dec. 28.
- McInerney Plastics Company, assignee: *See*—
Crocker, Floyd.
- McIntire, Otis R., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of cellular thermoplastic products. 2,450,436, Oct. 5.
- McIntosh, Donal H.: *See*—
Fleming, Edward P., and McIntosh.
- McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Shutoff valve mechanism. 2,439,052, Apr. 6.
- McIntosh, William J., Rahway, N. J., assignor to The Mathieson Chemical Corporation. Shellac bleaching. 2,448,320, Aug. 31.
- McIntyre, Brouwer D. and W. D., assignors to Monroe Auto Equipment Company, Monroe, Mich. Dumping box. 2,440,056, Apr. 20.
- McIntyre, Rae W.: *See*—
Altman, Fred E., and McIntyre.
- McIntyre, Sidney S., Sedro-Woolley, Wash. Holst. 2,450,605, Oct. 5.
- McIntyre, William D.: *See*—
McIntyre, Brouwer D. and W. D.
- McKallick, Mary, Spokane, Wash. Letter box. 2,438,785, Mar. 30.
- McKay Company, The, assignee: *See*—
Lee, Richard K.
- McKay, Frank W., Charlestown, Ind. Dowel pin. 2,439,692, Apr. 13.
- McKay, Maurice P., Troutdale, Ore. Low-tension ignition system for miniature two-cycle gas engines. 2,453,636, Nov. 9.
- McKay Machine Company, The, assignee: *See*—
Honen, Carl J.
- McKechnie, Hazel: *See*—
Trokie, Sylvia, and McKechnie.
- McKee, Clara M.: *See*—
Rake, Geoffrey W., Wintersteiner, MacPhillamy, and McKee.
- McKee, Harry H., Herbert W. Keefer, and William J. McCue, assignors to Industrial Patents Corporation, Chicago, Ill. Producing dried meat. 2,439,180, Apr. 6.
- McKee, Kenneth R., Chicago, Ill., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph record demonstrator. 2,441,893, May 18.
- McKee, Lynne G.: *See*—
Sanford, Francis B., and McKee.
- McKee, Philip L., assignor to National Greenhouse Co., Pana, Ill. Glazing and caulking material. 2,454,821, Nov. 30.
- McKee, Ralph W.: *See*—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
- McKee, Thomas, Glendale, Calif. Decorated cake. 2,435,047, Jan. 27.
- McKeefrey, Elvira C., Associates, assignee: *See*—
Schoebel, Henry.
- McKeige, Edward E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable clamp. 2,437,111, Mar. 2.
- McKellar, John D., Long Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane control system. Re. 2,3020, July 27.
- McKelvey, John H., and J. W. Rogers, Kirkwood, assignors to Laclede-Christy Clay Products Company, St. Louis, Mo. Glass furnace and operation. 2,448,451, Aug. 31.
- McKelvey, Reuben M., Johnstown, Pa. Dust arrester for blast furnaces. 2,450,976, Oct. 12.
- McKenney, Henry F.: *See*—
Newell, William H., and McKenney.
- McKenzie, Thomas M., Jr., Hyattsville, Md. Air-cooled gas turbine. 2,445,837, July 27.
- McKenzie, Wendell R., Claremont, assignor to Bank of America National Trust and Savings Association, Los Angeles, Calif. Nut lock construction. 2,448,902, Sept. 7.
- McKeown, Charles G., Dudley, assignor to Controlled Heat & Air Limited, Smethwick, England. Filter for gaseous mediums. 2,453,447, Nov. 9.
- McKeown, Irma B., Charlotte, N. C. Gate operating means. 2,455,018, Nov. 30.
- McKesson & Robbins, Incorporated, assignee: *See*—
Omohundro, Allen L., and Fanto.
- McKim, Burton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tone supply test circuit. 2,434,946, Jan. 27.
- McKinley, George H.: *See*—
Curtis, Horace L., McKinley, and Miller.
- McKinley, Joseph B.: *See*—
Montgomery, Charles W., McKinley, and Anhorn.
- McKinley, Joseph B., Pittsburgh, and H. J. Elder, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Destructive hydrogenation of heavy hydrocarbon oils. 2,446,602, Aug. 10.
- McKinley, William, Brantford, Ontario, Canada. Lug strap. 2,443,111, June 8.
- McKinney, Julius V.: *See*—
Grove, Cornelius S., Sr., McKinney, and Pittman.
- McKinney, Paul V.: *See*—
Frey, Frederick E., McKinney, and Wood.
- McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of hydrocarbons. 2,437,357, Mar. 9.
- McKinnie, William P., Kenmore, N. Y., and W. H. Trammell, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Folding rudder pedals. 2,447,079, Aug. 17.
- McKinnis, Art, assignor to Union Oil Company of California, Los Angeles, Calif. Extraction process. 2,441,827, May 18.
- McKinnis, Ronald B., Winter Haven, Fla. Apparatus for extracting oil-free juices. 2,444,203, June 29.

- McKinnon, Columbus Chain Corporation, assignee: *See*—
Miller, William A., and Gerspacher.
- McKnight, Charles M., assignee: *See*—
Eickmeyer, Allen G.
- McKosky, Michael, New Haven, Conn. Spool adapter for rope layers or stranding machines. 2,452,255, Oct. 26.
- McLain, William R., assignor to Kusan Incorporated, Henderson, Ky. Toy block. 2,440,205, Apr. 20.
- McLamore, William M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Beta-allylamino propionitriles. 2,451,852, Oct. 19.
- McLane, Edward A., Elko, Nev. Shoemaker's clamp. 2,434,328, Jan. 13.
- McLane, Jack S., Columbia, S. C. Friction-rotary blotting device for duplicating machines. 2,456,009, Dec. 14.
- McLaren, Peter J., et al.: *See*—
Maxson, William L., McLaren, Black, and Fry.
- McLaren, Peter J., assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Aided tracking aiming mechanism. 2,448,612, Sept. 7.
- McLaren, Peter J., deceased, by Central Hanover Bank and Trust Company, executor, New York, J. A. Vaughan, Hempstead, N. Y., and M. Fry, Harrington Park, N. J.; said McLaren, Vaughan, and Fry assignors, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Continuously adjustable speed electric drive. 2,456,522, Dec. 14.
- McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Electrical contact brush. 2,438,510, Mar. 30.
- McLaughlin, Leone, assignor to Wingfoot Corporation, Akron, Ohio. Self-sealing container. 2,439,366, Apr. 6.
- McLaurin-Jones Co., assignee: *See*—
Davis, Lewis, and Tuukkanen.
- McLaurin, Thomas G. and R. D., Montreal, Quebec, Canada. Machine for cleaning and separating flax or other fibrous plants. 2,446,055, July 27.
- McLean-Fogg Lock Nut Company, assignee: *See*—
McLacan, John A., Jr., and Money.
- McLean, James M., Vancouver, British Columbia, Canada. Resilient wheel. 2,450,672, Oct. 5.
- McLean, Robert E., Fort Benning, Ga. Takedown type wall brackets. 2,437,647, Mar. 9.
- McLean, Robert E., Fort Benning, Ga. Rotary drive wheel type can opener. 2,442,704, June 1.
- McLean, Robert E., Fort Benning, Ga. Rotary type can opener. 2,452,781, Nov. 2.
- McLean, Robert E., Fort Benning, Ga. Takedown type swing-out-of-the-way wall bracket. 2,454,664, Nov. 23.
- McLeckie, Harry W., Naples, Tex. Hand dryer. 2,438,762, Mar. 30.
- McLeish, William S., Barberton, assignor to The Ric-wil Company, Cleveland, Ohio. Anchor. Re. 22,988, Mar. 16.
- McLellan, David S., Longview, Wash., assignor to Reynolds Metals Company, Richmond, Va. Removing metallic iron from a fused alumina-cryolite composition. 2,439,216, Apr. 6.
- McLellan, Kenneth M.: *See*—
Standley, George P., and McLellan.
- McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Candle-filter mounting. 2,446,979, Aug. 10.
- McLemore, Price C., Montgomery, Ala., assignor to Delinted Seed Company. Delinting cotton seed. 2,437,397, Mar. 9.
- McLendon, Philip T., Atlanta, Ga., assignor to Union Special Machine Company, Chicago, Ill. Rope whipping sewing machine. 2,435,457, Feb. 3.
- McLennan, Donald K., Fellows, Calif. Heel mounting. 2,441,828, May 18.
- McLennan, Miles A., Dayton, Ohio. Electronic temperature control. 2,455,379, Dec. 7.
- McLeod, Clarion B.: *See*—
Smith, Fay E., Lacer, and McLeod.
- McLeod, Roderick C., Cropston, and G. B. R. Feilden, Luttworth, assignors to Power Jets (Research & Development) Limited, London, England. Construction of rotors for compressors and like machines. 2,452,782, Nov. 2.
- McLeod, Will W., Montgomery, Ala. Combination aspirator tip. 2,449,497, Sept. 14.
- McLimans, John F., and L. L. Ausland, Duluth, Minn. Regenerator for open hearths and the like. 2,435,230, Feb. 3.
- McLoud, Elbert S., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Sugar cane wax refining. 2,456,641, Dec. 21.
- McLoughlin, Arthur J., Elmhurst, N. Y. Window structure. 2,434,859, Jan. 20.
- McMahan, Kenton D., Scotia, and N. P. Bailey, Troy, N. Y., assignors to General Electric Company. Centrifugal compressor. 2,453,524, Nov. 9.
- McMahan, Thomas E., Ojai, Calif. Well tool. 2,438,673, Mar. 30.
- McMahan, William W., assignor to Wingfoot Corporation, Akron, Ohio. Vacuum apparatus for filling tires with water. 2,434,365, Jan. 13.
- McMahon, Alexander F., Oak Park, assignor to The Bastian-Blessing Company, Chicago, Ill. Method of and apparatus for cooling liquids, confections, and the like. 2,435,942, Feb. 10.
- McMahon, Edward M.: *See*—
Hasche, Rudolph L., and McMahon.
- McMahon, Everett K.: *See*—
Schutz, Phillip W., and McMahon.
- McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Copper chromium, arsenic compound for wood preserving. 2,438,511, Mar. 30.
- McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulated electrical conductor. 2,442,307, May 25.
- McMann, Harry M.: *See*—
Martinelli, Guy.
- McManus, Llew L., assignee: *See*—
Melton, Edith M.
- McMath, Robert R., Pontiac, and S. J. Menzel, assignors to Motors Metal Manufacturing Company, Detroit, Mich. Photographic lamp. 2,443,357, June 15.
- McMichael, Floyd J., Orlando, Fla. End ice bunker car having an adjustable ice rack. 2,446,485, Aug. 3.
- McMichael, Floyd J., Orlando, Fla. Method and apparatus for cooling produce by alternate dipping and draining. 2,454,704, Nov. 23.
- McMichael, Floyd J., Orlando, Fla. Method and apparatus for cooling produce by alternate dripping and draining. 2,454,705, Nov. 23.
- McMichael, Floyd J., Orlando, Fla. Method and apparatus for cooling produce by alternate dripping and draining. 2,454,706, Nov. 23.
- McMichael, Francis H.: *See*—
Weathers, Carl C., and McMichael.
- McMillan, Andrew, assignor to Chain Belt Company, Milwaukee, Wis. Transfer mechanism for plural compartment concrete mixing drums. 2,434,216, Jan. 6.
- McMillan, Andrew, assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 2,442,139, May 25.
- McMillan, James O., assignor to F. J. Abrah, Wichita, Kans. Carbonator. 2,438,714, Mar. 30.
- McMullen, Donald R., Detroit, Mich. All-steel high-pressure valve. 2,445,885, July 27.
- McMullen, Doyle E.: *See*—
Pickett, Ernest W., Jr., and McMullen.
- McMullen, John, Cleveland, Ohio. Railway journal box lid. 2,446,779, Aug. 10.
- McMurray, Harry G., Wakefield, assignor to Safety Box Toe Company, Holliston, Mass. Safety shoe and process of making the same. 2,438,016, Mar. 16.
- McMurray, Ray H., Oakland, Calif. Seam opening device. 2,452,312, Oct. 26.
- McMurray Structural Steel Company, Inc., assignee: *See*—
Lambert, Walter E.
- McNab, John G.: *See*—
Rogers, Dilworth T., and McNab.
- McNab, John G., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,451,345, Oct. 12.
- McNab, John G., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,451,346, Oct. 12.
- McNabb, Louis A., Glenview, assignor to Bell & Howell Company, Chicago, Ill. Electrical socket. 2,443,743, June 22.
- McNair, Eric P., Mattoon, Ill. Cable bending pliers. 2,437,433, Mar. 9.
- McNair, Lyle W.: *See*—
Wilson, Golder P., McNair, and Waters.
- McNairn, Oral C., East Orange, assignor to Bendix Aviation Corporation, Teterboro, N. J. Apparatus for counting the revolutions of a shaft after discontinuance of power. 2,447,588, Aug. 24.
- McNall, John W.: *See*—
Steele, Howard L., Jr., and McNall.
- McNall, John W., East Orange, N. J., assignor, by mesne assignments, to The United States of America as represented by the Secretary of the Navy. Ultra high frequency generator vacuum tube and cathode structure therefor. 2,450,763, Oct. 5.
- McNall, John W., East Orange, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Positive grid oscillator. 2,454,330, Nov. 23.
- McNally, James G.: *See*—
Dickey, Joseph B., and McNally.
Dickey, Joseph B., Byers, and McNally.
Scul, Herbert G., and McNally.
- McNally, James G., Oak Ridge, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,436,115, Feb. 17.
- McNally Pittsburg Manufacturing Corporation, assignee: *See*—
Brusset, Jean A.
- McNamara, Gordon G., Jr., Chicago, Ill., assignor to International Harvester Company. Vehicle reach and bound construction. 2,450,977, Oct. 12.
- McNamee, Bernard F., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrical bridge. 2,457,165, Dec. 28.
- McNamee, James J.: *See*—
King, John W., and McNamee.
- McNancy, Joseph T., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Combination step-by-step and induction motor. 2,454,519, Nov. 23.
- McNaughton, David H., Sr., assignor of twenty-five per cent to P. B. Mitchell, Saskatoon, Saskatchewan, Canada. Mechanical gripping tool. 2,450,151, Sept. 28.

- McNeil Bros. Inc., assignee: *See*—
Aurilio, Joseph M., and Schecter.
- McNeill, Albert G., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Medicine administering spoon. 2,453,525, Nov. 9.
- McNeill, H. H., Lumber Co., Inc., assignee: *See*—
Brewer, Oscar Z.
- McNeill, Harry L., Denver, Colo. Closed circuit grinding with two-stage classification. 2,441,584, May 18.
- McNeill, Robert M., Hollywood, Calif. Pencil holder. 2,455,019, Nov. 30.
- McNicol, David, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Taper roller bearing and cage. 2,435,839, Feb. 10.
- McNitt, Robert J., Perth Amboy, N. J. Apparatus for regulating the transfer of heat in fused bath electrolytic cells. 2,449,856, Sept. 21.
- McNulty, George M., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Grease composition. 2,433,861, Jan. 6.
- McPherson, Albert E., Bethesda, Md. Acceleration pickup. 2,435,231, Feb. 3.
- McPherson, Albert E., Bethesda, Md. Device for recording acceleration in planes. 2,441,162, May 11.
- McPherson, Harry L., assignor of one-fourth to J. H. Weatherford, and one-fourth to H. Weatherford, Memphis, Tenn. Antigrind-loop brake. 2,435,048, Jan. 27.
- McPherson, Robert R.: *See*—
Kagy, John F., and McPherson.
- McQuaid, Harry W., Shaker Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Refractory article. 2,444,361, June 29.
- McQuaid, Harry W., Los Angeles, Calif. Ecliptic flasher lamp. 2,455,020, Nov. 30.
- McQuaid, Howard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing sulfamic acid. 2,436,658, Feb. 24.
- McQueen, David M.: *See*—
Cairns, Theodore L., and McQueen.
- McQueen, David M., and E. C. Weaver, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having antihalation layers composed of vinylpyridine polymers and antihalation materials. 2,448,542, Sept. 7.
- McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding a nickel electrodeposit to a nickel surface. 2,457,059, Dec. 21.
- McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding a nickel electrodeposit to a nickel surface. 2,457,060, Dec. 21.
- McQuire, Ralph C., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Bonding nickel electrodeposit to a nickel surface. 2,457,061, Dec. 21.
- McShan, Clarence H., Newark, N. J. Frequency shift pulse time modulation. 2,451,347, Oct. 12.
- McShane, Phelan, and D. E. Renshaw, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Socket cover and plug interlocking switch. 2,434,576, Jan. 13.
- McTarnahan, Edward F., Seattle, Wash. Inclined plate amalgamator. 2,442,054, May 25.
- McTurk, Morton H., Philadelphia, Pa. Heat exchanger. 2,453,448, Nov. 9.
- McVey, Gerald E., Columbus, Ohio. Force-measuring instrumentality. 2,443,049, June 8.
- McWhirter, Carson H.: *See*—
Denmark, Robert, and McWhirter.
- McWhirter, Eric M. S., and H. J. Ward, assignors to Standard Telephones and Cables Limited, London, England. Electric remote control and indication system. 2,452,589, Nov. 2.
- McWhirter, Eric M. S., and H. J. Ward, assignors to Standard Telephones and Cables Limited, London, England. Electric signaling system. 2,452,590, Nov. 2.
- McWhirter, Eric M. S., and R. H. Dunn, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Polyphase oscillation generator. 2,457,166, Dec. 28.
- McWhirter, William C., Wilksburg, and G. V. Jefferson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electric switch lock. 2,437,328, Mar. 9.
- Meacham, Larned A.: *See*—
Hecht, George, and Meacham.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,434,669, Jan. 20.
- Mead, John H., Kalamazoo, Mich. Banding machine. 2,456,523, Dec. 14.
- Mead Johnson and Company, assignee: *See*—
Barton, Raymond W.
- Mead, Lawrence C., Turlock, Calif. Pipe wrench having a pivoted yoke carrying an adjustable jaw. 2,448,999, Sept. 7.
- Mead, Leonard C.: *See*—
Kennedy, John L., Mead, and Wellman.
- Mead, Thomas H., and M. V. Stack, London, and E. L. Smith, North Harrow, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England. Manufacture of penicillin. 2,451,853, Oct. 19.
- Mead, William H., Oakland, Calif. Surface treating method and apparatus. 2,455,514, Dec. 7.
- Meade, John, Erskineville, near Sydney, Australia. Automatic suction means for removing egg liquid. 2,445,490, July 20.
- Meade, Reginald E.: *See*—
Pollard, Henry L., Rodgers, and Meade.
Rodgers, Nelson E., Pollard, and Meade.
- Meade, Reginald E., and John F. Crews, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Apparatus for heating sensitive materials. 2,439,260, Apr. 6.
- Meade, Thomas E., assignee: *See*—
Kellem, James F.
- Meador, Bernal M., Dayton, Ohio. Quick-change radio antenna mount. 2,444,941, July 13.
- Meadow, Jacob R., Lexington, Ky., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,441,103, May 4.
- Meadow, Jacob R., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation process. 2,441,102, May 4.
- Meadow, Jacob R., and W. A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Simultaneous alkylation and desulfurization. 2,434,623, Jan. 13.
- Meadow, Jacob R., Memphis, Tenn., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of asphalt from hydrocarbons. 2,438,874, Mar. 30.
- Meadows, Marshall F., New Orleans, assignor of one-half to V. M. Musemeche, New Iberia, La. Ash tray. 2,436,012, Feb. 17.
- Meadows, Robert L., Arlington, Va. Heavy duty trailer and tractor lifting unit. 2,449,947, Sept. 21.
- Meagher, Ralph E., Watertown, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical circuit. 2,439,313, Apr. 6.
- Meaker Company, The, assignee: *See*—
Miller, Constantine G.
- Meals, Robert N., Memphis, Tenn., assignor to General Electric Company. Preparation of alkylated silanes. 2,444,784, July 6.
- Mears, Norman B., West St. Paul, Minn., and H. T. Holsapple, New Rochelle, N. Y., assignors to Buckbee-Mears Company, St. Paul, Minn. Reticle. 2,437,228, Mar. 2.
- Mears, Norman B., West St. Paul, assignor to Buckbee-Mears Company, St. Paul, Minn. Photo-printing apparatus. 2,437,229, Mar. 2.
- Mears, William T.: *See*—
Falge, Robert N., and Mears.
- Mease, Wilbur D., Berkeley, Calif. Mechanical pencil. 2,455,596, Dec. 7.
- Measurements Corporation, assignee: *See*—
Van Beuren, John M.
Van Beuren, John M., and Conrad.
- Mecham, Dale K.: *See*—
Jones, Chase B., and Mecham.
- Mechanical Handling Systems, Inc., assignee: *See*—
Stuart, Clarence C.
- Mechanical Research Company, assignee: *See*—
Feather, David C.
- Mechlin, Ernest F.: *See*—
Grandin, James K., and Mechlin.
- Meddick, Lorrain D., assignor to Lane-Wells Company, Los Angeles, Calif. Automatically releasing well head. 2,440,015, Apr. 20.
- Medearis, Paul A.: *See*—
Boyd, Frank C., Hester, and Medearis.
- Medlar, Lewis A., Oreland, assignor to Fox Products Company, Philadelphia, Pa. Battery charger. 2,456,978, Dec. 21.
- Medlin, John P., Great Falls, Mont. Electrocutation chamber for animals. 2,441,499, May 11.
- Medlin, Lewis E.: *See*—
Hull, Denison B., and Medlin.
- Meehan, Howard M.: *See*—
Beardsley, Harry I., and Meehan.
- Meehanite Metal Corporation, assignee: *See*—
Kelly, Herbert W.
Smalley, Oliver.
- Meerdink, Gerhard J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Regeneration of activated carbon by inorganic liquid treatment. 2,455,260, Nov. 30.
- Mees, Herman, Lodolinsart, assignor to Ateliers de Construction Electriques de Charleroi, Brussels, Belgium. Fluid-cooled current converter. 2,454,665, Nov. 23.
- Mefferd, Paul S., Laurens, Iowa. Hydraulic oil pump. 2,433,918, Jan. 6.
- Megel, Guillaume E., and H. Mancia, assignors of one-half to Usines Tornos Fabrique de Machines Moutier S. A., Moutier, Switzerland. Toolholder for automatic lathes. 2,451,684, Oct. 19.
- Megow, George E., South Milwaukee, and H. G. Thomson, assignors to Allen-Bradley Company, Milwaukee, Wis. Pressure-molding apparatus. 2,440,806, May 4.
- Mehler, Albert J., Jr., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dry spinning apparatus. 2,451,854, Oct. 19.

- Mehlretter, Charles L., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Making d-saccharic acid. 2,436,659, Feb. 24.
- Mehlretter, Charles L., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Polyesters of dimethylene d-gluconic acid. 2,453,150, Nov. 9.
- Mehring, Arthur C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactance time relay. 2,439,944, Apr. 20.
- Mehrich, Ferdinand P., Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited. Treatment of pineapple plants with plant hormones. 2,411,163, May 11.
- Mehrtens, John E., San Francisco, Calif. Plug attachment for electric cords. 2,436,221, Feb. 17.
- Mehut, Jean, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Pneumatic switch. 2,438,512, Mar. 30.
- Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,436,522, Feb. 24.
- Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,439,016, Apr. 6.
- Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Valve mechanism for breathing apparatus. 2,445,359, July 20.
- Meidenbauer, Phillip E., Jr., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,452,670, Nov. 2.
- Meier, Allen S., Xenia, Ohio, assignor to United States of America as represented by the Secretary of War. Fan antenna with tail. 2,446,186, Aug. 3.
- Meier, Allen S., Xenia, Ohio, assignor to The United States of America as represented by the Secretary of War. Antenna. 2,449,562, Sept. 21.
- Meier, Richard L.: See—
Elwell, William E., and Meier.
- Meier, Walter H., Englewood, N. J. Musical instrument support. 2,447,080, Apr. 17.
- Meighan, William A., Portland, Oreg. Flat terminal fitting. 2,439,141, Apr. 6.
- Meigs, Douglas P., Silver Spring, Md., assignor by mesne assignments, to American Instrument Co., Inc. Closure for high-pressure vessels. 2,438,513, Mar. 30.
- Meller, Daniel V., Maywood, J. D. Preble, La Grange, and L. W. Tuttle, Mount Prospect, Ill. Chimney construction and fitting therefor. 2,438,411, Mar. 23.
- Meincke, Edward, Scotch Plains, N. J., assignor to The Linde Air Products Company. Automatic rod feed for metal removal. 2,438,344, Mar. 23.
- Meincke, Edward, Scotch Plains, and J. M. Elsmann, Maplewood, N. J., assignors to The Linde Air Products Company. Blowpipe apparatus for thermochemically removing metals. 2,444,899, July 6.
- Meincke, Edward, Scotch Plains, and H. T. Smith, East Orange, N. J., assignors to The Linde Air Products Company. Blowpipe apparatus. 2,444,900, July 6.
- Meincke, Howard D., Jr., assignor to H. D. Meincke, Sr., Glencoe, Ill. Apparatus suitable for use in the treatment of water containing chlorides dissolved therein. 2,456,524, Dec. 14.
- Meincke, Howard D., Sr., assignee: See—
Meincke, Howard D., Jr.
- Meinertz, Mark F., Copenhagen, Denmark. Cylinder construction. 2,444,662, July 6.
- Meinhardt, John W.: See—
Fallert, Clifford D., and Meinhardt.
- Meinhardt, John W., assignor to Gaylord Container Corporation, St. Louis, Mo. Knockdown tray stack. 2,448,679, Sept. 7.
- Meinholdt, Charles L., Topeka, Kans. Safety switch for internal-combustion engines. 2,445,625, July 20.
- Meinzinger, Dale, Detroit, Mich. Handgrip for fishing lines. 2,448,384, Aug. 31.
- Meinzer, Arthur E., assignor to W. L. Caldwell, Birmingham, Ala.; L. T. Caldwell, executrix, of said W. L. Caldwell, deceased. Method and apparatus for production of expanded slag. 2,450,978, Oct. 12.
- Meinzer, Gotthold H., Glendale, Calif. Polishing machine. 2,437,034, Mar. 2.
- Meisenheimer, Allen H., Jr.: See—
Dryer, Eldon O., and Meisenheimer, Jr.
- Melsenhelder, Louis M., Correctionville, Iowa. Self-dumping farm wagon. 2,436,443, Feb. 24.
- Melssner, Clarence E., Washington, D. C., assignor to The Budd Company, Philadelphia, Pa. Method of spot welding hollow sections. 2,451,442, Oct. 12.
- Meister, Leo, Irvington, Va. Apparatus for detecting perforations in ammunition flash tubes. 2,453,720, Nov. 16.
- Meister, Leo T., Bradley Beach, N. J. Manufacturing primers. 2,455,380, Dec. 7.
- Meister, Leo T., Hillside, N. J. Lined igniter-charge tube. 2,446,187, Aug. 3.
- Meister, Walter F., Elizabeth, N. J., assignor to National Lead Company, New York, N. Y. Precipitation of hydrous vanadium oxide. 2,442,610, June 1.
- Meltzler, Donald E.: See—
Kalitinsky, Andrew, and Meltzler.
- Meltzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Accumulator injection apparatus. 2,434,329, Jan. 13.
- Meltzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Starting system for free piston engines. 2,439,482, Apr. 13.
- Meltzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic timing control for free piston units. 2,447,352, Aug. 17.
- Meltzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Timing of fuel injection systems. 2,453,526, Nov. 9.
- Meisel, Ben, assignor to Vico Products Company, Chicago, Ill. Treatment of liquid yeast products. 2,450,604, Oct. 5.
- Melibo, Erik G., Charlottenlund, assignor to A/S Enico, Copenhagen, Denmark. Preparation of lactic-acid bacteria. 2,442,502, June 1.
- Melancon, Thomas J., assignee: See—
Boonen, Henri M.
- Melander, Karl H. A., Göteborg, and G. E. Sävö, and T. I. Johnson, assignors to Sulfitt Aktiebolaget Göta, Göta, Sweden. Treatment of waste sulfite liquor. 2,445,838, July 27.
- Melanson, Joseph W., Toronto, Ontario, Canada. Saw set. 2,449,814, Sept. 21.
- Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Dynamoelectric machine with closed air circulating system. 2,453,449, Nov. 9.
- Melchionna, Frank A., Cincinnati, Ohio. Heel brace. 2,440,412, Apr. 27.
- Melchior, Norton C.: See—
Morris, Rupert C., and Melchior.
- Meldman, Edward C., Milwaukee, Wis. Shoe and inserts. 2,447,954, Aug. 24.
- Melhorn, Carl E., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Gum breaking machine. 2,453,805, Nov. 16.
- Melhuish, Lawrence E.: See—
Kinkead, Fullerton S., Phelps, Smith, Singer, and Melhuish.
- Melichar, Joseph F.: See—
Parker, Arthur L. and H. M., and Melichar.
- Melick, William E., Toledo, Ohio. Hand riveter. 2,446,713, Aug. 10.
- Meldoni, Constantine, Fort Lee, N. J. Cable adjuster. 2,444,743, July 6.
- Mell, Clifford W., Moorestown, N. J., assignor to Radio Corporation of America. Forming silver sulfide coatings. 2,445,962, July 27.
- Mellerio, Lucien F., and B. P. Cooper, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Rivet stem puller and cutter. 2,447,589, Aug. 24.
- Mellers, Eric V.: See—
Fallows, Leonard, and Mellers.
- Mellette, Cyril M., Middlebury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Holder for lipsticks and the like. 2,453,754, Nov. 16.
- Mellichampe, Lawton B., Washington, D. C. Child's toilet seat. 2,449,493, Sept. 14.
- Melling, George, Jackson, Mich. Handle bar tractor wheel drive control. 2,453,999, Nov. 16.
- Mellon Institute of Industrial Research, assignee: See—
Carlson, Warner W.
- Mellor Bromley & Co., Limited, assignee: See—
Shortland, Arthur.
- Melnick, Daniel, Kew Gardens Hills, N. Y., assignor, by mesne assignments, to Food Research Laboratories, Inc. Protein hydrolysis. 2,456,297, Dec. 14.
- Melnikoff, Zachary, Los Angeles, Calif. Lip rouge applicator. 2,442,503, June 1.
- Melstrom, Donald S.: See—
Evans, Theodore W., and Melstrom.
- Melton, Clarence C., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo. Tank cleaning apparatus. 2,446,338, Aug. 3.
- Melton, Edith M., assignor of 10 per cent to L. L. McManus, Cheraw, S. C. Walking doll. 2,443,689, June 22.
- Melton, James E., Arcola, Miss. Cotton gin. 2,441,203, May 11.
- Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for manufacture of coated webs. 2,457,256, Dec. 28.
- Meltzer, Jack, New York, N. Y. Shoe construction having stitched-in insole and pressure-covered molded heel counter. 2,447,590, Aug. 24.
- Melville, Gordon K.: See—
Popper, Otto, and Melville.
- Melville, William S., Rugby, England, assignor to General Electric Company. Thermalonic valve and circuit mounting. 2,445,582, July 20.
- Mendel, Leo E.: See—
Buhman, Conrad J., and Mendel.
- Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Precision magnetometer. 2,438,372, Mar. 23.
- Mendonca, Edward E., Hayward, Calif. Electric lighting set. 2,453,925, Nov. 16.

- Mendoza, Mordecai, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dye. 2,436,013, Feb. 17.
- Meneley, Carl A.: *See—*
Tolson, William A., and Meneley.
- Menenko, Frederick C., La Porte, Ind. Shoehorn. 2,446,777, Aug. 10.
- Meneses, Hector A., assignor to Able Scientific Glass Apparatus Co., Chicago, Ill. Glass tubing joint. 2,453,669, Nov. 9.
- Menking, Frank C., Pittsburgh, Pa. Equalized tension dual blade saw apparatus. 2,443,050, June 8.
- Mennecier, Maurice, San Fernando, Trinidad, British West Indies, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Flexible packer tester. 2,441,894, May 18.
- Mennesson, André, Neuilly-sur-Seine, assignor to Société Anonyme Solex, Neuilly-sur-Seine (Seine), France. Liquid distributing device. 2,454,974, Nov. 30.
- Mennesson, Marcel, Neuilly-sur-Seine, assignor to Société D'Appareils de Contrôle et Equipement des Moteurs (S. A. C. E. M.), Neuilly-sur-Seine (Seine), France. Control device for internal-combustion engines. 2,440,483, Apr. 27.
- Meno, Stanley J., and J. R. Cavanagh, Toronto, Ontario, Canada. Multiple life light bulb. 2,448,493, Aug. 31.
- Menocal, Santiago M., Habana, Cuba. Combined envelope and letter sheet. 2,451,233, Oct. 12.
- Menrath, Walter, Milwaukee, Wis. Draft eliminator for vehicles. 2,442,821, June 8.
- Menshih, Nicholas, Summit, N. J., assignor to Standard Oil Development Company. Extraction of a diolefin. 2,436,149, Feb. 17.
- Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. Re. 23,053, Nov. 30.
- Mentor, Eugene L., Westminster, assignor to Simplex Time Recorder Co., Gardner, Mass. Plug and jack assembly. 2,439,744, Apr. 13.
- Menzel, Stephen J.: *See—*
McMath, Robert R., and Menzel.
- Meohas, Isaac, Long Beach, Calif. Hair curler. 2,436,523, Feb. 24.
- Mercer, Arthur A., assignor of ten per cent to B. Mason, Colchester, England. Pump or compressor. 2,439,668, Apr. 13.
- Mercer, Warren H., Anaheim, Calif. Safety eyeglass case. 2,455,079, Nov. 30.
- Mercer, William R., Boston, Mass., assignor to Radio Corporation of America. Distance determining system. 2,455,693, Dec. 7.
- Merchandising Engineers, Inc., assignee: *See—*
Sullivan, Harry G.
- Merchant, Wilfred G.: *See—*
Constant, Hayne, and Merchant.
- Merchants National Bank of Winona, administrator: *See—*
Hossfeld, Albert.
- Mercier, Jean, New York, N. Y. Servo selector valve. 2,435,546, Feb. 3.
- Mercier, Jean, New York, N. Y. Pump output regulator. 2,454,563, Nov. 23.
- Mercier, Pierre E., New York, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cooling system. 2,439,898, Apr. 20.
- Mercier, Pierre E., Westport, Conn. Aircraft power plant of jet propulsion type. 2,439,817, Apr. 20.
- Mercier, Pierre E., Westport, Conn. Control flap with fluid jets for aircraft. 2,453,721, Nov. 16.
- Mercier, Pierre E., and R. Villers-Allerand, New York, N. Y., said Mercier assignor to said Villers-Allerand. Boat. 2,451,855, Oct. 19.
- Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Conveyor slack take-up mechanism. 2,438,068, Mar. 16.
- Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Jarring mechanism for conveyer flights. 2,439,574, Apr. 13.
- Merck & Co., Inc., assignee: *See—*
Bassford, Henry H., Jr.
Brown, Malcolm L.
Conn, John B.
Conn, John B., and van de Kamp.
Engels, William H.
Folkers, Karl, Mozingo, and Wolf.
Folkers, Karl and Wolf.
Foster, Jackson W., and McDaniel.
Graff, William R., and Harmon.
Heal, Ralph E.
Mahoney, John F., and Bassford.
Miller, Stewart M., and Van de Kamp.
Mozingo, Ralph.
Mozingo, Ralph, and Fonken.
Peck, Robert L.
Peck, Robert L., Harris, Mozingo, Wolf, and Folkers.
Pfister, Karl, III, and Tishler.
Shabica, Anthony C.
Snyder, Harold R., and Smith.
Tishler, Max.
Van de Kamp, Jacob, and Tishler.
Weijlard, John, and Messerly.
Weijlard, John, and Tishler.
Wolf, Donald E., and Shabica, Jr.
- Merckel, Frederick G., Montclair, N. J. Color comparison apparatus. 2,452,385, Oct. 26.
- Meredith, Frederick W., London, England, assignor to S. Smith & Sons (England) Limited. Device for detecting turn or measuring rate of turn. 2,455,939, Dec. 14.
- Meredith, Frederick W., E. B. Moss, and H. E. Whatley, Cricklewood, London, England, assignors to S. Smith & Sons (England) Limited. Method and apparatus for balancing rotors. 2,442,308, May 25.
- Meredith, Harry R., assignee: *See—*
Edelhart, Edward S.
- Mereen-Johnson Machine Company, assignee: *See—*
Bolling, Oscar S.
- Meripol, Edward B., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Supercharged engine control. 2,437,546, Mar. 9.
- Merit Products, Inc., assignee: *See—*
Bonkowski, Teofil L.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Plugboard arrangements. 2,457,703, Dec. 28.
- Merker, Robert L., United States Navy. Grease composition. 2,456,642, Dec. 21.
- Meria Tool Corporation, assignee: *See—*
Walton, Robert O.
- Merline, Edward O., assignor to Norman I. Boxwell, Detroit, Mich. Shifter arrangement. 2,447,866, Aug. 24.
- Mero, Ralph M.: *See—*
Johnson, Scott R., and Mero.
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
- Mero, Ralph M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Lard spray controlling means. 2,453,527, Nov. 9.
- Meroney, Paul H., Canby, Calif. Tire deflation indicating device. 2,442,956, June 8.
- Meroni, Charles F., assignee, et al.: *See—*
Sabee, Reinhardt N., and White.
- Meronk, Anthony J., Jefferson, Wis. Clothesline holder. 2,444,841, July 6.
- Merrell, Robert E., Spartanburg, S. C. Rail fastener. 2,454,079, Nov. 16.
- Merrell, Wm. S., Company, The, assignee: *See—*
Shelton, Robert S.
Shelton, Robert S., and Van Campen.
Van Campen, Marcus G., Jr., and Shelton.
- Merriam, Charles W., Jr., U. S. Navy, Taunton, Mass. Oiling device. 2,435,596, Feb. 10.
- Merriam, John L., Yucaipa, Calif. Pipe joint. 2,453,849, Nov. 16.
- Merriam Manufacturing Company, The, assignee: *See—*
Wiepert, George D.
- Merrick, DeWitt D., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Predetermined-current-drop relay system. 2,436,444, Feb. 24.
- Merrifield, Harold E., Stemmers Run, Md. Apparatus for electric generator current control and voltage regulation. 2,448,068, Aug. 31.
- Merrill, Francis G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic detector. 2,448,613, Sept. 7.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Speed governor. 2,456,979, Dec. 21.
- Merrill, Frederic D., Jr., Orange, N. J., assignor to Radio Corporation of America. Apparatus for producing indications of movement of an element. 2,446,428, Aug. 3.
- Merrill, George S., Cleveland, Ohio, assignor to General Electric Company. Tubular lamp holder. 2,447,353, Aug. 17.
- Merrill, James A., Akron, and L. B. Sebrell, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Improved tank for hydrocarbon fuels. 2,440,965, May 4.
- Merrill, Leslie M., assignee, trustee, et al.: *See—*
Lysholm, Alf.
- Merrill, Lewis B., Baldwin, assignor to H. V. Tutton, Detroit, Mich. Track-laying tractor. 2,452,671, Nov. 2.
- Merrill, Marcellus S., assignee: *See—*
Hathaway, Claude M.
- Merrill, Marcellus S., and L. W. Alfred, Denver, Colo. Frame straightening apparatus for automobiles. 2,442,425, June 1.
- Merrill, Oliver B., Amesbury, Mass. Trim element for closure frames. 2,434,504, Jan. 13.
- Merrill, Oliver B., assignor to The Bailey Company, Inc., Amesbury, Mass. Weather and trim strip. 2,443,959, June 22.
- Merrill, Oliver B., Amesbury, Mass. Core for closure frame trim elements. 2,449,000, Sept. 7.
- Merriman, Henry H., assignor to H. D. Boardman, Jackson, Mich. Combination toggle and cam clamp. 2,439,483, Apr. 13.
- Merritt, Dale W.: *See—*
Robertson, Archibald, and Merritt.
- Merritt, George E., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Interferometric comparator. 2,450,839, Oct. 5.
- Merritt, George E., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Lens and filter for cameras. 2,446,843, Aug. 10.

- Merritt, Glenn W., assignor to The Mining Safety Device Company, Bowerston, Ohio. Car-dumping apparatus. 2,456,209, Dec. 14.
- Merryweather, Gerald, Cuyahoga Falls, Ohio. Storm window and screen combination. 2,453,528, Nov. 9.
- Mersereau, Everard C., Staten Island, N. Y., assignor to The Ellico Company. Hand strap. 2,449,307, Sept. 14.
- Merstick, Frank W., Cleveland, Ohio. Motor vehicle refrigerator. 2,437,885, Mar. 16.
- Merten, Eugen, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Apparatus for orientation. 2,451,443, Oct. 12.
- Mertes, Clarence N.: *See*—
Deibel, Cyril P., Mertes, and Gray.
- Mertz, Pierre: *See*—
Gould, King E., and Mertz.
- Merva, Madeline D.: *See*—
Escoffery, Charles A., and Merva.
- Merwin, Harry H., and A. C. Nystrom, Rutherford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Takeup mechanism. 2,454,329, Nov. 23.
- Merwin, Walter J.: *See*—
Teter, John W., and Merwin.
- Merz, Benjamin W., Narberth, Pa., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. High-frequency dielectric seaming apparatus. 2,434,330, Jan. 13.
- Merz Engineering Co., assignee: *See*—
Rupley, Frederick L.
- Mesaros, George, Linden, N. J. Piston ring tool. 2,452,857, Nov. 2.
- Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Safety control system for burners. 2,445,531, July 20.
- Mesher, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control for automatic burners. 2,446,778, Aug. 10.
- Mesite, James V., Baltimore, Md. Refrigerator defrosting deflector. 2,449,709, Sept. 21.
- Messery, John P.: *See*—
Weiland, John, and Messery.
- Messick, Turner B., assignor of one-half to Jeannette D. Danley, Denver, Colo. Float valve. 2,447,591, Aug. 24.
- Messier, Joseph A. A., Northfield, Vt. Circularly swung captive glider. 2,436,014, Feb. 17.
- Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine for forming tubes. 2,442,856, June 8.
- Messinger, William, Philadelphia, Pa., and D. E. Jones, assignors to E. D. Jones & Sons Company, Pittsfield, Mass. Jordan apparatus. 2,456,883, Dec. 21.
- Messler, Eugene L., Pittsburgh, Pa. Ingot mold plug. 2,444,140, June 29.
- Messler, Raymond E., assignee: *See*—
Madsen, Alvin R.
- Messner, Jack, Hillside, N. J. Harmonica. 2,442,370, June 1.
- Meston, Alexander W., Yonkers, N. Y., assignor to The Sperry Corporation. Pressure responsive controller device. 2,446,546, Aug. 10.
- Meszaros, George W., New York, N. Y., and D. E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier. 2,434,947, Jan. 27.
- Metal & Thermit Corporation, assignee: *See*—
Mathias, David L.
Richter, Hartmut W.
Rollason, Ernest C., and van Someren.
- Metal and Thermit Corporation, assignee: *See*—
Andrews, William.
- Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter P.
- Metal Limb Manufacturers, Inc.: *See*—
Hanger, James E.
- Metalizing Company of America, assignee: *See*—
Lindblad, Harald L.
- Metallschlauchfabrik A. G., assignee: *See*—
Dreyer, Albert.
- Metal Lumber Corporation, The, assignee: *See*—
Collings, John K.
- Metallurgical Processes Co., assignee: *See*—
Thomas, Charles E., Felter, and Ness.
- Metal Office Furniture Company, assignee: *See*—
Bullock, Earle C.
- Metal Products Corporation, assignee: *See*—
Kinnannon, Leo T.
- Metals & Controls Corporation, assignee: *See*—
Bolesky, John D., and Buell.
Chace, Paul G.
Chace, Paul G., and Savolainen.
Durst, George.
Kurtz, Edward F.
Ottmar, Jerome.
Smith, Ezra S.
Vaughan, Victor G., and Moorehead.
Wilson, Harold M.
- Metals Disintegrating Company, Inc., assignee: *See*—
Hall, Harold E.
- Metal Textile Corporation, assignee: *See*—
Goodloe, Alfred M., and York.
- Metalwash Machinery Company, assignee: *See*—
Zademach, Erich R.
Zademach, Erich R., and Clarke.
- Metcalf, Arthur G. B., Milton, assignor to North American Research Corporation, Cambridge, Mass. Apparatus for photoelectric measurement of areas. 2,447,024, Aug. 17.
- Metcalf, Irving R., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for welding gear wheels. 2,442,426, June 1.
- Metron Instrument Company, assignee: *See*—
Floyd, Frederick K.
- Metropolis Bending Company, assignee: *See*—
Puls, Alfred E., and Swenson.
- Metropolitan Device Corporation, assignee: *See*—
Rypinski, Albert B.
- Metropolitan Mechanical Display Company: *See*—
Erisman, Adolph C.
- Metropolitan-Vickers Electrical Company, assignees: *See*—
Dodds, John M., Scoles, Haine, and Archer.
- Metropolitan-Vickers Electrical Company Limited: *See*—
Baumann, Karl.
Burch, Cecil R.
Constant, Hayne, and Merchant.
Dodds, John M., and Scoles.
Fowler, John.
Hall, Joseph S.
Moulin, Eric B.
Scoles, Graham J., and Miller.
- Metten, Herbert, Boston, assignor to Sylvania Electric Products Inc., Salem, Mass. Protective grid for Geiger-Mueller tubes. 2,452,524, Oct. 26.
- Metten, Herbert, Boston, and F. Koury, Somerville, assignors to Sylvania Electric Products Inc., Salem, Mass. Ray counter. 2,457,781, Dec. 28.
- Mettz, Edgar L., Franklin, Tenn. Radio plug adapter. 2,445,033, July 13.
- Metzger, Edmund C., Chicago, Ill. Envelope opener. 2,456,436, Dec. 14.
- Metzger, F. F., and Son, assignee: *See*—
Mostertz, Franz C.
- Metzger, Fredrick P., assignor to Worthington-Gamon Meter Company, Newark, N. J. Cam actuated switch. 2,441,434, May 11.
- Metzger, Leopold H., and W. B. Muse, assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Eyeglass lens grinding apparatus. 2,435,320, Feb. 3.
- Metzger, Leopold H., and V. J. Fantozzi, assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Abrasive wheel. 2,451,295, Oct. 12.
- Metzger, Leopold H., and W. B. Muse, Chicago, Ill., and F. J. Pease, Wauwatosa, Wis., assignors, by mesne assignments, to Super-Cut, Inc., Chicago, Ill. Grinding wheel. 2,455,597, Dec. 7.
- Metzger, Maurice T., assignor to Associated Screen News Limited, Montreal, Quebec, Canada. Light controlling mechanism for film printing machines. 2,440,906, May 4.
- Metzger, Melvin R., Cincinnati, Ohio. Match. 2,436,049, Feb. 17.
- Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism. 2,449,665, Sept. 21.
- Metzler, Charles L., Palisades Park, N. J., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn. Slice receiving mechanism for reciprocating carriage slicing machines. 2,438,937, Apr. 6.
- Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Pin-wheel feed. 2,452,591, Nov. 2.
- Metzner, Ernest Kurt, Los Angeles, Calif. Treatment of pomace. 2,440,907, May 4.
- Metzner, Robert G., Los Angeles, Calif., assignor to The General Industries Company, Elyria, Ohio. Two-speed phonograph turntable drive. 2,438,265, Mar. 23.
- Metzner, William: *See*—
Wade, Francis A., and Metzner.
- Meulenbergh, Emil C., Brooklyn, N. Y. Metal cross bridging. 2,455,904, Dec. 7.
- Meunier, Albert E., South Attleboro, Mass. Stock centering chuck. 2,445,147, July 13.
- Meunier, Frederick A., assignor to Republic Steel Corporation, Cleveland, Ohio. Limiter circuit for electric test ing apparatus. 2,455,792, Dec. 7.
- Mexican American Hat Company, assignee: *See*—
Ostolaza, Frank, and Holmes.
- Meyer, Arthur W., assignor of one-half to J. P. Hapley, St. Louis, Mo. Adjustable drill jig. 2,455,871, Dec. 7.
- Meyer, August J.: *See*—
Peterson, Anton U., and Meyer.
- Meyer, Charles A.: *See*—
Bradbury, Donald, and Meyer.
- Meyer, Clarence H., Ann Arbor, Mich., assignor to Argus, Incorporated. Telescopic sight. 2,452,592, Nov. 2.
- Meyer, Edwin W.: *See*—
Julian, Percy L., Cole, Magnani, and Meyer.
- Meyer, Frederick J., assignor to The Dow Chemical Company, Midland, Mich. Preservation of cellulosic materials. 2,449,787, Sept. 21.
- Meyer, George W.: *See*—
De Flon, James G., and Meyer.
- Meyer, Hans, Richmond, England. Wearing apparel having permanent creases therein. 2,449,534, Sept. 14.

- Meyer, Harry, New York, N. Y. Sanitary garbage can cover. 2,442,705, June 1.
- Meyer, Harry A., assignor to American Blower Corporation, Detroit, Mich. Inlet vane control apparatus using levers. 2,435,091, Jan. 27.
- Meyer, Harry A., assignor to American Blower Corporation, Detroit, Mich. Inlet vane control apparatus with vanes set at an angle. 2,435,092, Jan. 27.
- Meyer, Harry A., Detroit, Mich., assignor to American Blower Corporation, Wilmington, Del. Fluid flow control apparatus. 2,443,263, June 15.
- Meyer, Henry F.: *See*—
- Harrold, Charles W., and Meyer.
- Meyer, Herbert, and E. M. Spiegel, New York, N. Y. Circular display rack. 2,443,320, June 15.
- Meyer, Lester W. A., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic compositions containing cellulose acetate butyrate. 2,439,093, Apr. 6.
- Meyer, Lester W. A., and W. M. Gearhart, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester plastic containing resorcinol monobenzoate. 2,436,116, Feb. 17.
- Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. 2,436,816, Mar. 2.
- Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. 2,457,167, Dec. 28.
- Meyer, Maximilian C., Brooklyn, N. Y. Baseball game. 2,457,168, Dec. 28.
- Meyer, Otto E., Sr.: *See*—
- Williams, Arnold, and Meyer.
- Meyer, Peter A. R., College Point, N. Y. Carburetor. 2,436,319, Feb. 17.
- Meyer, Siegfried, New York, N. Y. Hanger device for garments. 2,447,132, Aug. 17.
- Meyer, William: *See*—
- Krone, Howard C., and Meyer.
- Meyer, Wm., Company, The, assignee: *See*—
- Wehmer, Bruno F.
- Meyercord Company, The, assignee: *See*—
- Klopfenstein, Jesse D., and Rathke.
- Meyerdick, Clarence E., Fair Oaks, Calif. Luggage carrier and protector. 2,454,608, Nov. 23.
- Meyerhans, August, Rieden, near Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Bushing for oil-filled electrical apparatus. 2,452,947, Nov. 2.
- Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons and improved catalysts therefor. 2,450,764, Oct. 5.
- Meyers, Donald L., and A. A. Kester, Rock Island, Ill., assignors to the United States of America, as represented by the Secretary of War. Gun recoil mechanism. 2,442,371, June 1.
- Meyers, Ellwood H., Brecksville, and W. S. Gaines, Chagrin Falls, Ohio, assignors, by mesne assignments, to Republic Industries, Inc., New York, N. Y. Conduit connection for tanks. 2,455,311, Nov. 30.
- Meyers, Eugene J., assignor to Hayes, Meyers and Hoagland, Los Angeles, Calif. Thermal timer for heating apparatus. 2,439,017, Apr. 6.
- Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors to The Ohio Rubber Company, Willoughby, Ohio. Fluid seal. 2,446,380, Aug. 3.
- Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors to The Ohio Rubber Company, Willoughby, Ohio. Mounting for spinning rings and the like. 2,454,707, Nov. 23.
- Meyers, W. F., Company, assignee: *See*—
- Sneva, Ingolf.
- Meynig, Robert E., La Porte, Tex. Paraffin scraper. 2,433,955, Jan. 4.
- Miami Boller & Machine Company, Inc., assignee: *See*—
- Napier, Melvin J.
- Mica Patents Trust, The: *See*—
- Boughton, Willis A., and Dawes, and Mansfield.
- Micafil Ltd., assignee: *See*—
- Wirth, Otto.
- Michael, Jack, Cleveland, Ohio. Furring strips and channels and connecting structure. 2,448,109, Aug. 31.
- Michael Reese Research Foundation, assignee: *See*—
- Levinson, Sidney O., and Oppenheimer.
- Michael, Vesta F., and S. W. Walker, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of oxygenated compound with bisulfite adducts. 2,457,257, Dec. 28.
- Michaelis, Gustav, Kenton, England. Production of rugs, carpets, and the like. 2,443,358, June 15.
- Michaels, Clyde D.: *See*—
- Fairley, Frank E., Lindquist, Michaels, and Rodgers.
- Michaels, Edwin B., and Bernard Lustig, assignors to Lawrence Richard Bruce, Incorporated, Stamford, Conn. Relaxing keratinous fibres. 2,437,965, Mar. 16.
- Michaelson, Marion L., Ames, Iowa, assignor to the United States of America as represented by the Secretary of War. Heat-pressure operated warning switch. 2,454,288, Nov. 23.
- Michaelson, Walter E.: *See*—
- Heidbrink, Jay A., Michaelson, and Hay.
- Michalek, John C.: *See*—
- Switzer, John L., and Michalek.
- Michalenko, Andrew B., Los Angeles, Calif. Clamp. 2,455,598, Dec. 7.
- Michela, John P., assignor of thirty-three and one-third per cent to O. L. Powers and thirty-three and one-third per cent to L. R. Schmuck, Battle Creek, Mich. Deburring tool. 2,448,385, Aug. 31.
- Michelman, Nathan, New York, N. Y. Driving means for rolling doors. 2,454,880, Nov. 30.
- Michelman, Nathan, New York, N. Y. Adjustable stroke eccentric mechanism. 2,454,881, Nov. 30.
- Michelson, Leonard C.: *See*—
- Turner, Lyman H., Bauer, and Michelson.
- Michiana Products Corporation, assignee: *See*—
- Nygren, Carl.
- Michigan Carton Company, assignee: *See*—
- Barnes, Wilbur L., and Harrison.
- Michigan Tool Company, assignee: *See*—
- Martin, James.
- Morawski, London T.
- Mickler, Stanislaus A., Chevy Chase, Md. Protective electrical outlet receptacle. 2,441,643, May 18.
- Micromatic Hone Corporation, assignee: *See*—
- Kline, John E.
- Kline, John E., Peden, and White.
- Micuta, George R., Bridgeport, Conn. Nut lock. 2,435,012, Jan. 27.
- Mid-Continent Metal Products Co., assignee: *See*—
- Donner, Verne P.
- Middendorf, Marie H., Burbank, Calif. Wearing apparel. 2,434,743, Jan. 20.
- Middlestadt, William F., Baltimore, assignor to The James Gibbons Company, Relay, Md. Apparatus for melting plastic compositions. 2,439,367, Apr. 6.
- Middleton, Clifford V., Concrete, Wash. Brake drum cooling device. 2,436,758, Feb. 24.
- Middleton, Donald R., assignee, et al.: *See*—
- Bixby, William H.
- Middleton, Frederick A.: *See*—
- Ushakoff, Alexis E.
- Middleton, Hixon K., San Jose, Calif. Nursery toilet seat. 2,446,381, Aug. 3.
- Middleton, John M., Harrisburg, assignor of fifty per cent to A Glyn Francis, Camp Hill, Pa. Apparatus for heating ceramics. 2,454,708, Nov. 23.
- Middleton, Julius B., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mixing alkylation reactants. 2,452,017, Oct. 19.
- Middleton, Julius B., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation process. 2,452,018, Oct. 19.
- Middleton, Leslie H., and D. H. Stoltenberg, Toledo, Ohio. Spark plug. 2,437,205, Mar. 2.
- Midgette Toy Company, assignee: *See*—
- MacMechan, Thomas S.
- Midland Laboratories, assignee: *See*—
- Kretschmer, Frederick H., and Filter.
- Midouhas, Stephen P., assignor to Kemline Metal Products Company, Bristol, Pa. Cash register. 2,454,000, Nov. 16.
- Midvale Company, The, assignee: *See*—
- Schaefer, Adolph O.
- Midwest Company, The, assignee: *See*—
- Schaff, Edward J., and Greedy.
- Mid-West Wire Products Company, Inc., assignee: *See*—
- Geralds, Jerry.
- Mid-West Wood Products Company, assignee: *See*—
- Groat, Marshall O.
- Mieher, Walter W.: *See*—
- Barrow, Wilmer L., and Mieher.
- Mielke, Arthur F., Burbank, Calif. Cigarette dispenser. 2,435,793, Feb. 10.
- Miescher, Karl: *See*—
- Hoffmann, Karl, Schellenberg, and Miescher.
- Miescher, Karl, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 3-Thioethers of androstene-3-one-17-ols and making same. 2,435,013, Jan. 27.
- Miescher, Karl, and W. Klarer, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Imidazolines. 2,449,241, Sept. 14.
- Miss, Fred, Gary, Ind. Electrically heating continuously traveling metal strip. 2,441,500, May 11.
- Mietzsch, Fritz: *See*—
- Lorenz, Walter, Behnisch, and Mietzsch.
- Mignona, William, Pottstown, Pa. Automatic infeed mechanism. 2,434,366, Jan. 13.
- Mihalik, Andrew S., assignee: *See*—
- Wellman, Charles P.
- Mikelson, Nordan, Yankton, S. Dak. Universal speed wrench. 2,455,434, Dec. 7.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Compounded lubricating oil. 2,443,264, June 15.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Phosphorus acid esters of petroleum phenols. 2,450,903, Oct. 12.
- Mikeska, Louis A., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Production of 1,3-diols. 2,449,001, Sept. 7.
- Mikeska, Louis A., and A. R. Kittleson, Westfield, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Lubricating compositions. 2,453,850, Nov. 16.
- Miketta, Casimir A., assignee: *See*—
- Hunter, Frank-B.

- Mikina, Stanley J.: *See*—
Hanna, Clinton R., and Mikina.
- Mikis, Ernest, San Antonio, Tex. Precision leveling chuck. 2,447,711, Aug. 24.
- Miklowitz, Julius, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wedge grip for tensile testing machines. 2,447,660, Aug. 24.
- Mikula, George, Jr., Jersey City, N. J. Sliding block game. 2,456,884, Dec. 21.
- Milan, Roland W.: *See*—
Mathis, John A., and Milan.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Catalytic oxidation of unsaturated organic compounds. 2,437,648, Mar. 9.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Phosphoric acid ester of vitamin A. 2,443,473, June 15.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Ethers of vitamin A. 2,452,386, Oct. 26.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Ethers of 5-hydroxy, 3-methyl, penta-3-en-yne-1. 2,455,261, Nov. 30.
- Milbourne, Charles G., Los Angeles, Calif., assignor to The United Gas Improvement Company. Pyrolysis of fluid hydrocarbons. 2,442,093, May 25.
- Milburn, Sidney R., Mountain View, N. J., assignor to United States Rubber Company, New York, N. Y. Device for demonstrating the action of the front wheels of automobiles. 2,449,499, Sept. 14.
- Miles, Carol C., Leominster, Mass. Easel picture frame. 2,456,720, Dec. 21.
- Miles, Charles Burke: *See*—
Gorin, Everett, and Miles.
- Miles, George S., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Linear follow-up system. 2,439,094, Apr. 6.
- Miles, George S., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic weather station. 2,444,106, June 29.
- Miles, Gilbert D., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Cake make-up container. 2,445,685, July 20.
- Miles, Gilbert D., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Nondusting soap composition and making the same. 2,456,437, Dec. 14.
- Miles Laboratories, Inc., assignee: *See*—
Lobley, Frederick A.
- Miles Park Machine & Tool, Inc., assignee: *See*—
King, John W. and McNamee.
- Miles, Thomas R.: *See*—
Stringfield, Raymond B., and Miles.
- Milhizer, Edward W., Lakeland, Fla. Shock absorbing tow bar. 2,444,305, June 29.
- Military Chemical Works, Inc., The, assignee: *See*—
Biggs, James D.
- Milk, William: *See*—
Smith, Herbert H., and Milk.
- Millard, Everett L., Highland Park, Ill. Ski binding. 2,449,242, Sept. 14.
- Millard, Irwin W., and E. W. Beatty, Danville, Ill. Protecting device for industrial gloves. 2,437,886, Mar. 16.
- Millen, Edwin R.: *See*—
Giffner, Joseph, and Millen.
- Millendorf, Alfred J., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Hydrogenation of carbon oxides. 2,445,795, July 27.
- Millendorf, Alfred J., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic hydrogenation of carbon oxides. 2,445,796, July 27.
- Miller, Abe, Detroit, Mich. Washing machine with divided container and axial inlet. 2,437,169, Mar. 2.
- Miller, Albert J., York, assignor to Kohler Co. Inc., Red Lion, Pa. Trouser construction. 2,434,217, Jan. 6.
- Miller, Alfred J., Garwood, and L. W. Young, Elizabeth, N. J., assignors to The Linde Air Products Company. Piston-operated valve mechanism. 2,439,523, Apr. 13.
- Miller, Alfred J., Garwood, and I. P. Thompson, Elizabeth, N. J., assignor to The Linde Air Products Company. Apparatus for conditioning metal bodies. 2,447,081, Aug. 17.
- Miller, Arthur E., G. K. Viall, Milwaukee, and R. F. Lindow, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Concrete spreading apparatus. 2,449,710, Sept. 21.
- Miller, Arthur J.: *See*—
Brophy, Gerald R., and Miller.
- Miller, Arthur J., Oak Ridge, Tenn., and J. W. Fleisher, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing of rectifier elements. 2,457,169, Dec. 28.
- Miller, August E., Cliffside Park, N. J. Crystal oven. 2,438,345, Mar. 23.
- Miller, Benjamin H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Valve construction. 2,444,942, July 13.
- Miller, Benjamin N., Los Angeles, Calif. Davenport hinge construction. 2,444,230, June 29.
- Miller, Beulah F., and E. F. Probst, Cleveland, Ohio. Shoe apron or protector. 2,434,331, Jan. 13.
- Miller, Bruce De H., assignor to The Girdler Corporation, Louisville, Ky. Mixing apparatus. 2,448,042, Aug. 31.
- Miller, C. Roy, assignee: *See*—
Ekleberry, James F.
- Miller, Carroll E., and J. M. Ingalls, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Multiple spindle lathe. 2,456,139, Dec. 14.
- Miller, Charles E.: *See*—
Gleitz, Herbert, and Miller.
- Miller, Charles F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition comprising caprolactam for printing nylon fiber. 2,439,745, Apr. 13.
- Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Multiple selection pattern mechanism. 2,444,894, July 6.
- Miller, Charles W.: *See*—
Scoles, Graham J., and Miller.
- Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Audible electric signaling mechanism. 2,442,611, June 1.
- Miller, Christopher G., Rifle, Colo. Fruit picker's sack. 2,438,860, Mar. 30.
- Miller Company, The, assignee: *See*—
Beals, Gillson W.
De Lancey, Ralph W.
Naysmith, Shirley R.
Runge, Richard M.
- Miller, Constantine G., assignor to The Meaker Company, Chicago, Ill. Continuous wire and strip electroprocessing machine. 2,454,935, Nov. 30.
- Miller, Dola F., and F. Puslecki, San Francisco, Calif. Nonskid device applier and remover. 2,456,438, Dec. 14.
- Miller, Donald L., Chemung County, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,436,261, Feb. 17.
- Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter. 2,436,365, Feb. 17.
- Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,440,657, Apr. 27.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,441,772, May 18.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Starter for internal-combustion engines. 2,447,198, Aug. 17.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter drive. 2,447,765, Aug. 24.
- Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,450,246, Sept. 28.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,455,339, Nov. 30.
- Miller, Edward A.: *See*—
Gillett, William, and Miller.
- Miller, Edward A., Cuba, N. Y., assignor, by mesne assignments, to Acme Electric Corporation. Making laminations. 2,454,609, Nov. 23.
- Miller, Edward A., Milwaukee, Wis. Mechanical scrub brush. 2,439,344, Apr. 6.
- Miller, Edward E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Mechanical device for determining the future position of aircraft. 2,451,856, Oct. 19.
- Miller, Edward F., Chicago, Ill. Toggle link operated hand clamp. 2,447,199, Aug. 17.
- Miller, Edward H., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Wire looping machine. 2,452,593, Nov. 2.
- Miller, Edward M., assignor to The C. L. Gougler Machine Company, Kent, Ohio. Stop ring for combination locks. 2,441,895, May 18.
- Miller, Edwin A., Fairfield, Conn. Mechanism for power electrical tap switches. 2,446,881, Aug. 10.
- Miller, Edwin A., Fairfield, Conn. Mechanism for precision switches. 2,448,230, Aug. 31.
- Miller Electric Manufacturing Co., assignee: *See*—
Mulder, Allen C.
- Miller, Ellen W., assignor of one-fifth to W. E. Neely, Rochester, N. Y. Bib. 2,440,666, Apr. 27.
- Miller, Elmer L., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Tractor fifth wheel mounting. 2,438,323, Mar. 23.
- Miller, Elwood A., assignor of fifty per cent to Benjamin V. Klain, Indianapolis, Ind. Invalid bed. 2,438,093, Mar. 16.
- Miller, Erwin E., Ravenna, Ohio. Resilient safety belting. 2,443,191, June 15.
- Miller, Everett O., assignee: *See*—
Majusick, Walter.
- Miller, Florence G., executrix: *See*—
Miller, Frank P.
- Miller, Francis B., assignor to The W. W. Boes Company, Dayton, Ohio. Film viewing apparatus. 2,441,829, May 18.
- Miller, Frank, Chicago, Ill. Driving mechanism. 2,439,520, Apr. 13.
- Miller, Frank, Chicago, Ill. Reducing gear mechanism. 2,439,521, Apr. 13.

- Miller, Frank P., deceased, by R. W. Thomas and F. G. Miller, executors, assignors to R. W. Thomas, Meadville, Pa. Cutting tool. 2,435,287, Feb. 3.
- Miller, Fred S., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Exhaust nozzle for rocket motors. 2,447,200, Aug. 17.
- Miller, Fred T.: *See—*
- Miller, Paul L. and F. T.
- Miller, George A., Jr., Weirsdale, Fla., assignor to the United States of America as represented by the Secretary of War. Projectile. 2,453,151, Nov. 9.
- Miller, George E., Edgewood Arsenal, Md., and S. G. Seaton, La Salle, Ill., assignors to United States of America as represented by the Secretary of War. Manufacturing sodium methyl arsenate. 2,442,372, June 1.
- Miller, George E., Findlay, Ohio, assignor, by mesne assignments, to Gar Wood Industries, Inc., Detroit, Mich. Adjustable trunnion mounting for bulldozers and the like. 2,451,348, Oct. 12.
- Miller, George H.: *See—*
- Curtis, Horace L., McKinley, and Miller.
- Miller, George L., Hornchurch, England, assignor to Murex Limited. Manufacture of alloys containing molybdenum. 2,434,048, Jan. 6.
- Miller, Gerald K.: *See—*
- Doll, Henri-Georges, and Miller.
- Miller, Glennard E.: *See—*
- Frey, Charles N., and Miller.
- Miller, Gustaf E., Stratton, Nebr. Feed grinding mill of the rotary beater type. 2,446,095, July 27.
- Miller, Gustav F., Tacoma, Wash. Permutation ignition switch. 2,456,010, Dec. 14.
- Miller, Harold: *See—*
- Gordon, Ronald, and Miller.
- Miller, Harry B., Providence, R. I. Radial vane pump mechanism. 2,440,593, Apr. 27.
- Miller, Harry F.: *See—*
- Camilli, Guglielmo, and Miller.
- Miller, Harry F., and R. G. Flowers, Pittsfield, Mass., assignors to General Electric Company. Polymers and copolymers of acenaphthylene. 2,445,181, July 13.
- Miller, Henry, Seattle, Wash. Safety razor. 2,444,105, June 29.
- Miller, Henry C., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Unsaturated esters of benzenediacetic acids and their polymers. 2,456,210, Dec. 14.
- Miller, Henry C., Claymont, and B. C. Pratt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reactions of inorganic polysocyanates and polyisothiocyanates. 2,449,613, Sept. 21.
- Miller, Herbert L., Portland, Ore. Nonmetallic paste or similar tube. 2,434,505, Jan. 13.
- Miller, Hoke S., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method of preparing vinyl chloride and catalyst therefor. 2,448,110, Aug. 31.
- Miller, Homer D., Canton, Ohio. Safety clip. 2,439,018, Apr. 6.
- Miller, Horace G., Belleville, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Impulse actuated electromagnetic relay with time delay. 2,434,948, Jan. 27.
- Miller, Howard B., Seattle, Wash. Fruit picker's crane. 2,450,152, Sept. 28.
- Miller, I., & Sons, Inc., assignee: *See—*
- Levin, David E.
- Miller, J. C., Company, assignee: *See—*
- Twyning, Robert V., and Hakken.
- Miller, Jacob M., Chicago, Ill. Ear ornament. 2,443,051, June 8.
- Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass holding device. 2,455,599, Dec. 7.
- Miller, Jesse E.: *See—*
- Cathey, Clarence D., and Miller.
- Miller, Joe W., Brunswick, Ga. Planer attachment for lathes. 2,454,331, Nov. 23.
- Miller, John M., Jr., Torrington, Conn. Bridge type modulator circuit. 2,446,188, Aug. 3.
- Miller, John W.: *See—*
- Fell, Raymond E., and Miller.
- Miller, John W., and W. G. Smith, assignors to Motor Wheel Corporation, Lansing, Mich. Pilot structure for pot type burners. 2,448,148, Aug. 31.
- Miller, John W., and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Draft regulator. 2,453,096, Nov. 2.
- Miller, Joseph C., Compton, Calif., assignor to Coast Envelope & Leather Products Company, Billfold. 2,456,300, Dec. 14.
- Miller, Joseph R., Calvert, Tex. Visored antiglare rear-view mirror for vehicles. 2,442,504, June 1.
- Miller, Jules, Atlantic City, N. J. Bar or slide for playing certain musical instruments. 2,441,713, May 18.
- Miller, Jules, Atlantic City, N. J. Reversible reed for wind instruments. 2,456,298, Dec. 14.
- Miller, Jules, Atlantic City, N. J. Perforated reed for wind instruments. 2,456,299, Dec. 14.
- Miller, Julian P., assignor to Penn Electric Switch Co., Goshen, Ind. Thermostatic power element. 2,453,851, Nov. 16.
- Miller, Julius Z., and L. M. Easterling, Clarksville, Tenn. Cowboy boot upper. 2,446,158, July 27.
- Miller, Karl H.: *See—*
- Bruen, George C., and Miller.
- Magaw, Ronald R., and Miller.
- Miller, Kay, Kalamazoo, Mich., assignor, by mesne assignments, to Dana Corporation, Toledo, Ohio. Clutch actuating mechanism. 2,436,817, Mar. 2.
- Miller, Kenneth J.: *See—*
- Giannuzzi, George A., and Miller.
- Miller, Laurence M.: *See—*
- Pfeffer, Edward C., Jr., and Miller.
- Miller, Le Roy T., Burbank, Calif. Connector device. 2,444,058, June 29.
- Miller, Levi B., Lancaster Township, Lancaster County, Pa. Hand cultivating and weeding tool. 2,446,512, Aug. 3.
- Miller, Lewis B., Ambler, and W. R. Seipt, North Wales, assignors to Kearsbey & Mattison Company, Ambler, Pa. Heat insulation. 2,448,186, Aug. 31.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,436,445, Feb. 24.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,444,141, June 29.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting device. 2,450,557, Oct. 5.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,455,694, Dec. 7.
- Miller, Loyal J., assignee: *See—*
- Graham, Thomas E.
- Miller, Lucille A., Riverside, Ill. Protective garment for animals. 2,443,831, June 22.
- Miller, Milo F., Kansas City, Mo. Periodic switch. 2,441,501, May 11.
- Miller, Milo F., Kansas City, Mo. Chime switch. 2,444,576, July 6.
- Miller, Morrow C., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for measuring turbidity photoelectrically. 2,436,262, Feb. 17.
- Miller, Olen L., Washington, D. C. Core box cutter. 2,445,918, July 27.
- Miller, Paul B., Los Angeles, assignor to Pacific Pumps, Inc., Huntington Park, Calif. Self-aligning pump flange. 2,449,243, Sept. 14.
- Miller, Paul D.: *See—*
- Faust, Charles L., and Miller.
- Miller, Paul L. and F. T., Clearwater, S. C., assignors to United Merchants & Manufacturers, Inc., Wilmington, Del. Process and apparatus for drying textiles. 2,456,301, Dec. 14.
- Miller, Pharis, Elizabeth, N. J., assignor to Standard Oil Development Company. High-compression motor fuels and their manufacture. 2,434,577, Jan. 13.
- Miller, Pharis, Mountinside, N. J., assignor to Standard Oil Development Company. Antiknock motor fuel. 2,434,578, Jan. 13.
- Miller, Pharis, Mountinside, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,445,360, July 20.
- Miller Pottery Engineering Company, assignee: *See—*
- Miller, William J.
- Miller, William J., and Reek.
- Miller, William J., Reese, and Croninger.
- Miller, Ralph: *See—*
- Hixson, Arthur W., and Miller.
- Miller, Ralph W., Topanga, and E. B. Powell, San Diego, assignors of 75 per cent to said Powell, Pasadena, Calif., and 25 per cent to said Miller. Ordnance chamberage and cartridge case. 2,455,080, Nov. 30.
- Miller, Randall V.: *See—*
- Newman, Albert M., and Miller.
- Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Rotary fluid torque converter and coupling. 2,434,218, Jan. 6.
- Miller, Raymond J., assignor to American Pattern and Manufacturing Co., Detroit, Mich. Motion-picture projector. 2,439,981, Apr. 20.
- Miller, Raymond J., Detroit, Mich. Smoking pipe. 2,441,714, May 18.
- Miller, Raymond J., Detroit, Mich. Smoking pipe. 2,441,715, May 18.
- Miller, Raymond J., Detroit, Mich. Displacement type casting apparatus. 2,448,903, Sept. 7.
- Miller, Robert J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Treatment of acid tars. 2,449,404, Sept. 14.
- Miller, Robert S., assignor to Pacific Chain and Manufacturing Company, Portland, Ore. Chain and method of making the same. 2,439,522, Apr. 13.
- Miller, Roland J., assignee, et al: *See—*
- Leach, Charles C.
- Miller, Samuel, Kew Gardens, N. Y. Reinforcement and spring clip construction for billfolds. 2,455,515, Dec. 7.
- Miller, Samuel A., and W. H. Groombridge, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Manufacture of unsaturated organic compounds. 2,452,672, Nov. 2.
- Miller, Samuel C., assignee: *See—*
- Homan, Charles W.
- Miller, Samuel C., New York, N. Y. Braid shielding. 2,443,632, June 22.

- Miller, Samuel C., New York, N. Y. Electrode for gaseous discharge devices. 2,443,633, June 22.
- Miller Spreader Corporation, The, assignee: *See*—Andrews, Edward F.
- Miller, Stewart E., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittently operating automatic frequency control. 2,437,268, Mar. 9.
- Miller, Stewart M., and J. van de Kamp, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J. Purification of dehydrocorticosterone acetate. 2,438,715, Mar. 30.
- Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Tracer and tracer controlled operation of machine tools and other cutting machines. 2,447,201, Aug. 17.
- Miller, Verlin C., Marion, Ind. Hydraulic vise. 2,444,304, June 29.
- Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Split ring cord guide for step-by-step switches. 2,457,588, Dec. 28.
- Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiper assembly for step-by-step switches. 2,457,589, Dec. 28.
- Miller, Wade E., Los Angeles, Calif. Swivel flush set. 2,441,830, May 18.
- Miller, Walter B.: *See*—Sample, George E., and Miller.
- Miller, Wilbur A.: *See*—Tritt, Forest G., and Miller.
- Miller, Wilbur H., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. 6-(alpha-ethyl-propyl)-2-thiouracil and preparation of the same. 2,447,465, Aug. 17.
- Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Electronic trigger circuit. 2,436,482, Feb. 24.
- Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Modified sweep circuit. 2,441,246, May 11.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge device trigger circuit. 2,445,448, July 20.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Generator circuit. 2,447,082, Aug. 17.
- Miller, William A., Buffalo, and R. E. Gerspacher, Kenmore, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Antiskid cross chain. 2,451,761, Oct. 19.
- Miller, William J., Glendale, assignor to The Deutsch Company, Los Angeles, Calif. Ligation instrument. 2,433,956, Jan. 6.
- Miller, William J., Swissvale, and A. J. Reek, Carrick, assignors to Miller Pottery Engineering Company, Swissvale, Pa. Conveyor for transporting pottery molds. 2,437,702, Mar. 16.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for decorating pottery ware. 2,438,514, Mar. 30.
- Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Dinnerware finishing apparatus. 2,439,407, Apr. 13.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for decorating pottery ware. 2,441,164, May 11.
- Miller, William J., assignor of one-half to C. T. La Cost, Toledo, Ohio. Electric plug adapter. 2,443,797, June 22.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for feeding clay to molds in the manufacture of pottery dinnerware. 2,444,943, July 13.
- Miller, William J., Swissvale, Pa., L. P. Reese, Scio, Ohio, and G. J. Croninger, said Miller and said Croninger assignors to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for decorating articles. 2,447,521, Aug. 24.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for manufacturing pottery ware. 2,450,437, Oct. 5.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for applying liquid size to pottery ware. 2,450,438, Oct. 5.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Method of and apparatus for producing pottery ware. 2,452,858, Nov. 2.
- Miller, William J., Jr., Denver, Colo. Pipe and cigarette lighter. 2,444,663, July 6.
- Millet, Hylton B., New Orleans, La. Apparatus for refrigeration of liquors. 2,450,735, Oct. 5.
- Millett, Harvey U., Hawthorne, Calif. Constant speed burning attachment for hand torches. 2,442,505, June 1.
- Millett, Merrill A.: *See*—Stamm, Alfred J., Seborg, and Millett.
- Milleville, Howard P., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Volatile flavor recovery process. 2,457,315, Dec. 28.
- Millhiser, Frederick R., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of viscose rayon. 2,440,057, Apr. 20.
- Millhiser, Frederick R., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating yarn. 2,453,332, Nov. 9.
- Millholland, James H., Philadelphia, Pa. Handling holder for opening eggs. 2,433,957, Jan. 6.
- Millholland, Raymond A., and W. F. Sully, Indianapolis, Ind. Arc welding system. 2,447,955, Aug. 24.
- Millien, Albert: *See*—Fawcett, Eric W. M., Millien, and Mulhern.
- Milligan, Joseph H., Framingham, Mass. Door lock. 2,449,711, Sept. 21.
- Milligan, Joseph H., Framingham, Mass. Door lock. 2,450,840, Oct. 5.
- Millikan, Charles V., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Packing ring. 2,451,762, Oct. 19.
- Millikan, Glenn A., Nashville, Tenn., assignor to United States of America as represented by the Secretary of War. Single knob oximeter having selective control means for multiple channels. 2,439,857, Apr. 20.
- Milliken, Thomas H., Jr., Rose Valley, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of cleaning dried zirconia gel production equipment. 2,450,439, Oct. 5.
- Milliken, Thomas H., Jr., Maylan, Pa., and I. H. Wellnsky, Claymont, Del., assignors to Houdry Process Corporation, Wilmington, Del. Catalyst manufacture. 2,456,721, Dec. 21.
- Millikin, Arnold S., and J. H. Apel, assignors to The Jaeger Machine Company, Columbus, Ohio. Machine or apparatus for servicing roads. 2,441,532, May 11.
- Milling, Martin A.: *See*—Ellis, Reuben H., and Milling.
- Milling, Martin A., assignee: *See*—Wolpert, Walter J.
- Millington, John W.: *See*—Stewart, William H., and Millington.
- Millman, Herman, Brooklyn, N. Y. Developing rack. 2,447,986, Aug. 24.
- Millner, Samuel A., Jacksonville, Fla. Device for practicing golf. 2,448,904, Sept. 7.
- Mills Alloys, Inc., assignee: *See*—Kennedy, Edward M.
- Mills, George A.: *See*—Bond, George R., Jr., and Mills.
- Mills, George A., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons with a thorium phosphate catalyst. 2,446,547, Aug. 10.
- Mills, George A., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons. 2,453,152, Nov. 9.
- Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Supported sodium catalyst and preparation thereof. 2,456,525, Dec. 14.
- Mills Industries, Incorporated, assignee: *See*—Bendfelt, Herbert A.
- Flukes, Andrew, and Smith, Steiner, Louis.
- Mills, Irwin F., Associates, assignee: *See*—Beder, Samuel L.
- Mills, Jack, assignor to Eli Lilly and Company, Indianapolis, Ind. Preparation of diphenylacetoneitrile. 2,447,419, Aug. 17.
- Mills, John S.: *See*—Samiran, David, and Mills.
- Mills, Leon D., Tacoma, Wash. Open pot oil burner with unbalanced air supply. 2,453,029, Nov. 2.
- Mills, Ralph S.: *See*—Marks, Graham W., Cossey, and Mills.
- Mills, Roscoe H., Dayton, Ohio. Propeller blade construction. 2,450,440, Oct. 5.
- Mills, William L., Waco, Tex. Safety razor. 2,457,590, Dec. 28.
- Millson, Henry E., Plainfield, and G. L. Royer, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Metachrome dyeing with cationic and non-ionic agents. 2,443,166, June 8.
- Milne, John S., assignor to Sears, Roebuck and Co., Chicago, Ill. Flush tank mechanism. 2,449,948, Sept. 21.
- Milner, Charles E., Birmingham, England. Valve. 2,446,714, Aug. 10.
- Milner, Christopher J.: *See*—Scott, William J., and Milner.
- Milner, David W., Leeds, assignor to Yorkshire Tar Distillers Limited, Barnsley, England. Separation of phenols from hydrocarbon distillates by steam distillation. 2,437,649, Mar. 9.
- Milner, Francis II.: *See*—McGeorge, Walter, and Milner.
- Milner, Harry L., Cheltenham, assignor to Rotol Limited, Gloucester, England. Propeller. 2,434,506, Jan. 13.
- Milner, Leslie F.: *See*—Casler, Leslie R., and Milner.
- Milprint, Inc., assignee: *See*—Baker, James A.
- Gold, Leon J.
- Gold, Leon J., and Zweig.

- Milsteel Products Co., assignee: *See*—
 Busch, Fred W., and Drewes.
 Busch, Fred, and Nelson.
- Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Tractor steering control. 2,440,016, Apr. 20.
- Milster, Arthur N., assignor to Wagner Electric Corporation, St. Louis, Mo. Mechanism for selective operation of a plurality of master cylinders. 2,453,852, Nov. 16.
- Milwain, Alfred, assignor of two-thirds to H. H. G. and A. Hitchcox, Coventry, England. Cycle or like locking mechanisms. 2,437,112, Mar. 2.
- Milwaukee Electric Tool Corporation, assignee: *See*—
 Beckwith, Wendell K.
- Milwhite Co., Inc., The, assignee: *See*—
 Knauth, Walter T.
- Mincher, Edwin L.: *See*—
 Safford, Moyer M., and Mincher.
- Mindlin, Raymond D., New York, N. Y. Force gauge. 2,445,307, July 13.
- Mine Safety Appliances Company, assignee: *See*—
 Campbell, Edmund M.
 Myers, Charles H., and Yant.
- Miner, Frederick M., Jr., assignor to Renim, Inc., Madison, Wis. Moist pack heater. 2,443,321, June 15.
- Miner, George A., Manchester, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform type shoe and making same. 2,436,050, Feb. 17.
- Miner, Henry A., Evanston, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,439,484, Apr. 13.
- Miner, John D., Jr.: *See*—
 Gerlach, Francis H., and Miner.
- Miner, John D., Jr., and J. E. Mulheim, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,436,320, Feb. 17.
- Miner, W. H., Inc., assignee: *See*—
 Dath, George E.
 Dentler, Arnold E.
 Forssell, Eric G.
 Haseltine, Stacy B.
 Hveem, John J.
 Krob, Joseph J.
 Link, John H.
 Loewer, Henry B.
 Lounsbury, Harvey J.
 Miner, Henry A.
 Olander, Roland J.
- Minerals and Metals Corporation, assignee: *See*—
 Westling, Carl J.
- Minerals Separation North American Corporation, assignee: *See*—
 Duke, James B.
- Minerco Corporation, assignee: *See*—
 Fischer, Arthur H.
- Mines Equipment Company, assignee: *See*—
 Bach, Peter J., and Simpson.
- Mingea, John, Long Island City, N. Y. Facial invigorating apparatus. 2,438,069, Mar. 16.
- Minges, Leland E., Visalia, Calif. Siphon pipe. 2,435,049, Jan. 27.
- Minich, Arthur, Westfield, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Dodecylamine salt of 2-mercaptobenzothiazole and making the same. 2,437,170, Mar. 2.
- Mining Engineering Company Limited, assignee: *See*—
 Nyborg, Tage G.
- Mining Process and Patent Company, assignee: *See*—
 Daman, Arthur C.
- Mining Safety Device Company, The, assignee: *See*—
 Merritt, Glenn W.
- Minister of Aircraft Production, The, assignee: *See*—
 Dawson, Philip J.
- Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
 Dixon, Cecil A.
- Minit-Man, Inc., assignee: *See*—
 Rousseau, Leo J.
- Mink, Isadore, Brooklyn, assignor to Fine Art Apron Co., Inc., New York, N. Y. Bib. 2,451,038, Oct. 12.
- Minneapolis-Honeywell Regulator Company, assignee: *See*—
 Anderson, John M.
 Baak, Albert E.
 Beam, Vilynn O.
 Beam, Vilynn O., and Wilson.
 Berkholder, George H.
 Bishofberger, Carl J., and Edelman.
 Borell, George L.
 Field, William J.
 Gille, Willis H.
 Gille, Willis H., and Sigford.
 Griffith, Le Roy A.
 Hartig, Henry E.
 Isserstedt, Siegfried G.
 Kliever, Waldo H.
 Kronmiller, Carl G.
 Malek, Sidney K., and Laing.
 Markusen, David L.
 Mattern, Raymond P.
 McGrath, William L.
 Newton, Alwin B.
- Minneapolis-Honeywell Regulator Company, assignee: *See*—Continued.
 Palya, Albert.
 Rosche, John O.
 Schoepel, John F.
 Sparrow, Hubert T.
 Strother, Fred P.
 Underwood, Orville J., and Feigal.
 Upton, Albert P.
 Wilson, John M.
 Wilson, Theodore J.
- Minneapolis-Moline Power Implement Company, assignee: *See*—
 Knapp, William E.
 Ronning, Martin.
 Ronning, Martin, and Keith.
 Swenson, William E.
- Minnesota Mining & Manufacturing Company, assignee: *See*—
 Anderson, Arthur A.
 Carlton, Richard P., and Brinker.
 Gehrenbeck, Gilbert B.
 Heltzer, Harry, and Clarke.
 Hesselroth, Charles F.
 Kellgren, Waldo T., and Drew.
 Pearson, John W.
 Simons, Joseph H.
 Smith, George B.
 Tierney, Hubert J.
- Minnesota and Ontario Paper Company, assignee: *See*—
 Barrett, William.
- Minnick, Leonard J., Cheltenham, assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa. Treating alkaline earth hydrates or oxides, and the resulting product. 2,434,710, Jan. 20.
- Minnick, Leonard J., Cheltenham, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Obtaining barium carbonates. 2,440,641, Apr. 27.
- Minnick, Leonard J., Cheltenham, assignor to G. and W. H. Corson, Inc., Plymouth Meeting, Pa. Hydrated lime product and making the same. 2,453,637, Nov. 9.
- Minium, Byron B., assignor to Erie Resistor Corporation, Erie, Pa. High voltage condenser. 2,449,308, Sept. 14.
- Minnix, Raymond E., Balboa, C. Z. Combined pump and motor cylinder coaxial. 2,445,148, July 13.
- Minorsky, Nicolai, Bethesda, Md., assignor to Gyro-Balance Corporation, Greenwich, Conn. Balancing machine. 2,449,563, Sept. 21.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers prepared from allylidene dihalides. 2,443,167, June 8.
- Minter, Marvin J., Detroit, Mich. Towing apparatus. 2,444,944, July 13.
- Minton, Versie R., assignor of one-third to F. I. Dymond, New Orleans, La. Razor strop sterilizer. 2,445,532, July 20.
- Mintz, Julius, assignee, et al.: *See*—
 Carter, Albert C.
- Mintz, William, assignee: *See*—
 Keith, Glenn.
- Mintz, William, assignee, et al.: *See*—
 Keith, Glenn.
- Mintzes, Louis, Island Park, assignor of one-half to Jack Litt, Harrison, N. Y. Convertible athletic garment. 2,440,868, May 4.
- Minyard, Ira T., Odessa, Tex. By-pass for rotary mud screens. 2,446,293, Aug. 3.
- Miquet, Paul L. J., and M. P. Perron, Saint-Julien-de-Maurienne, France, vested in the Attorney General of the United States. Electrothermic gas producer. 2,447,809, Aug. 24.
- Miracle Lubricating Corporation, assignee: *See*—
 Collins, Austin T.
 King, John L.
- Mirshak, Louis: *See*—
 Brooks, Buford M., and Mirshak.
- Mirus, Gilbert B., Akron, Ohio. Motor drive for brushes and the like. 2,448,614, Sept. 7.
- Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
 Cunningham, Marion M.
- Mishel, Hyman H., Philadelphia, Pa. Gale hood. 2,436,724, Feb. 24.
- Miskel, John J.: *See*—
 Richter, Richard, and Miskel.
- Miskel, John J., Brooklyn, and B. A. Dombrow, New York, N. Y., assignors to Nopco Chemical Company. Separation of capryl alcohol from methyl hexyl ketone by alkali treatment and distillation. 2,451,857, Oct. 19.
- Miskimen, Burt D., Columbus, Ohio. Garter construction. 2,446,018, July 27.
- Misko, Michael J., Inglewood, Calif. Folding table with sectional top. 2,451,763, Oct. 19.
- Missbach, Arthur M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,442,901, June 8.
- Missien, Edward J.: *See*—
 Weyandt, Carl S., and Missien.
- Mission, Gilbert: *See*—
 Imbert, Roger J., and Mission.
- Mississippi Valley Research Laboratories, Inc., assignee: *See*—
 Bubb, Frank W., and d'Adrian.
 Doelling, George L., and Adams.

- Missouri Automatic Control Corporation, assignee: *See*—
Yelda, John O.
- Mistarz, John E., assignee: *See*—
Fischer, Albert M.
- Mistretta, Vincent F.: *See*—
Mottner, Henry O., and Mistretta.
Schneider, Helmuth G., and Mistretta.
- Mistretta, Vincent F., Fanwood, N. J., assignor to Standard Oil Development Company. Ferrous metal supported zinc oxide-bismuth oxide catalyst. 2,436,970, Mar. 2.
- Mitchell, Albert E., La Porte, Tex. Newspaper receptacle. 2,443,690, June 22.
- Mitchell, Bert J., Dallas, Tex. Roof. 2,439,095, Apr. 6.
- Mitchell, Bruce, San Diego, Calif. Airplane train. 2,457,391, Dec. 28.
- Mitchell Camera Corporation, assignee: *See*—
Bader, Edward G.
Fairbanks, Henry N.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Portable radio transmitting and receiving set. 2,439,408, Apr. 13.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. System for providing an energizing direct current. 2,439,409, Apr. 13.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Combined radio transmitter and receiver. 2,439,410, Apr. 13.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Portable two-way wave-signal space-communication set. 2,439,411, Apr. 13.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Multistage plug-in frequency-determining unit. 2,439,412, Apr. 13.
- Mitchell, Donald H., Cranford, and E. C. Moss, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material supporting and cooling apparatus for welding machines. 2,457,704, Dec. 28.
- Mitchell, Edmund G., Godfrey, and De W. B. Timberman, Alton, Ill., assignors to Olin Industries, Inc. Laminated structure. 2,445,858, July 27.
- Mitchell, Gordon P., Merrill, Wis. Pulling implement for detaching insulators. 2,457,258, Dec. 28.
- Mitchell, Hubert R., and C. M. Sobotka, Hartselle, Ala. Transmission. 2,451,401, Oct. 12.
- Mitchell, Irvin R., assignor to A. Leschen & Sons Rope Company, St. Louis, Mo. Sling and making same. 2,442,175, May 25.
- Mitchell, Isaac A., Neponsit, Long Island, N. Y. Educational toy. 2,435,149, Jan. 27.
- Mitchell, Jay G., Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War. Nonpositional line signal. 2,450,441, Oct. 5.
- Mitchell, John W.: *See*—
Stevenson, Elmer C., and Mitchell.
- Mitchell, Joseph J., Oakland, Calif. Rodent trap. 2,433,919, Jan. 6.
- Mitchell, Kenneth, assignor, by mesne assignments, to Standard Telephones and Cables Limited, London, England. Optical projection apparatus. 2,457,170, Dec. 28.
- Mitchell, Lee W., assignor to Gates Rubber Company, Denver, Colo. High-speed belt. 2,446,294, Aug. 3.
- Mitchell, Paul B., assignee: *See*—
McNaughton, David H., Sr.
- Mitchell, Percival H., and S. Malcolm, Toronto, Ontario, Canada. Lens for lighting equipment. 2,454,332, Nov. 23.
- Mitchell, Pullan, Linthorpe, and U. R. Mitchell, Guiseley, England. Floor. 2,457,086, Dec. 21.
- Mitchell, Robert, Detroit, Mich. Lock nut. 2,437,751, Mar. 16.
- Mitchell, Robert, Company Limited, The, assignee: *See*—
Hardie, James H.
- Mitchell, Robert M., U. S. Army. Cryptographic slide rule. 2,439,413, Apr. 13.
- Mitchell-Tyler Company, The, assignee: *See*—
Porter, Harold M.
- Mitchell, Uttley R.: *See*—
Mitchell, Pullan and U. R.
- Mitchell, W. K., & Company, Inc., assignee: *See*—
Bissout, Herbert A., and Borresen.
- Mitchell, Wallace F., Chicago, Ill., assignor to Ammco Tools, Inc. Micrometer setting device for boring machines. 2,441,716, May 18.
- Mitchell, Wallace F., Chicago, Ill., assignor to Ammco Tools, Inc. Hone. 2,445,277, July 13.
- Mitchell, Wallace F., Chicago, Ill., assignor to Ammco Tools, Inc. Hone. 2,445,278, July 13.
- Mitchell, Walter B.: *See*—
Frederich, Edwin T., Mitchell, Buyken.
Walter, B., Seattle, Wash. Wire twister. 2,440,058, Apr. 20.
- Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Compression member. 2,440,150, Apr. 20.
- Mitchell, Walter G., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Compression member. 2,451,234, Oct. 12.
- Mitchell, William A.: *See*—
Mur, Harvey K., and Mitchell.
- Mitchell, William A., Buckland, Betchworth, England. Apparatus for cooking resins. 2,445,919, July 27.
- Mitchell, William A. J., Appleton, Wis. Pocket-type tissue container. 2,448,819, Sept. 7.
- Mitschrich, Melville F., St. Louis, Mo. Electrical insulation. 2,435,093, Jan. 27.
- Mittag, Albert H.: *See*—
Alexanderson, Ernst F. W., Mittag, and Sims.
- Mittell, Peter, assignor to Windsor Case Company, Inc., Providence, R. I. Spectacle case. 2,440,552, Apr. 27.
- Mittelmann, Eugene, assignor to Illinois Tool Works, Chicago, Ill. Rematching relay control system. 2,441,435, May 11.
- Mittendorf, Harvey C., East Orange, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Control for plural retractable fuel burners. 2,439,609, Apr. 13.
- Mittendorf, Harvey C., East Orange, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Electric hot-water heater. 2,451,296, Oct. 12.
- Mittlemann, Eugene, Chicago, Ill. High-frequency heating. 2,453,529, Nov. 9.
- Mixon, Lawson W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,436,051, Feb. 17.
- Mizen, Carlton A.: *See*—
Kraus, John D., and Mizen.
- Mobbs, Herbert, Church Brampton, near Northampton, and G. H. Smith, Slough, England. Sliding roof for vehicles. 2,434,711, Jan. 20.
- Moberly, Lawrence E., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation. Treating carbon brushes. 2,443,798, June 22.
- Moburg, Harold W., assignee: *See*—
Hedenburg, Oscar F.
- Mochel, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2-Fluoro-1,3-diene polymers. 2,446,382, Aug. 3.
- Mock, Clara L., Hamilton, Kans. Braid-stitch crochet book. 2,440,413, Apr. 27.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,447,261, Aug. 17.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,447,262, Aug. 17.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,447,263, Aug. 17.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel feeding system. 2,447,267, Aug. 17.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Control for internal-combustion engines. 2,453,651, Nov. 9.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,457,171, Dec. 28.
- Mock, Hugo, New York, N. Y. Appliance for cooling liquids. 2,440,753, May 4.
- Mochnik, Ladimer M., Cleveland, Ohio. Supporting device. 2,456,302, Dec. 14.
- Modern-Aire Mfg. Corporation, assignee: *See*—
Turek, Stanley P.
- Modern Controls, Inc., assignee: *See*—
Haug, Eugene H.
- Modern Equipment Company, assignee: *See*—
Goldberg, Max W.
- Modern Metal Products Company, assignee: *See*—
Smith, Harvey J.
- Modern Plastic Machinery Corporation, assignee: *See*—
Tornberg, Henning T.
- Modine Manufacturing Company, assignee: *See*—
Boerger, Martin G.
Dixon, Arthur G.
Spiehl, Benjamin.
- Modrey, Henry J., London, England, assignor to Modrey Patents Corporation, Essex County, N. J. Electrical plug and socket connector with retractable contacts. 2,444,843, July 6.
- Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.
- Moe, J. Edgar, assignor to Jacobs Rubber Products, Incorporated, Danielson, Conn. Lug strap. 2,445,744, July 20.
- Moe, J. Edgar, assignor to Jacobs Rubber Products, Incorporated, Danielson, Conn. Sweepstick. 2,445,745, July 20.
- Moe, William W., Stratford, Conn., assignor to General Electric Company. Coupling arrangement. 2,443,921, June 22.
- Moebes, August, Vallejo, Calif. Adjustable hat form. 2,450,521, Oct. 5.
- Moehl, Reno W.: *See*—
Webb, Glenn M., and Moehl.
- Moehle, Frederick W., assignor to V. H. Blackinton & Co., Attleboro Falls, Mass. Insignia holding device. 2,436,150, Feb. 17.
- Moellenbeck, Arthur J., Milwaukee, and H. G. Stauffer, Wauwatosa, Wis., assignors to The National Cash Register Company, Dayton, Ohio. Combined accounting machine and typewriter. 2,451,631, Oct. 19.
- Moeller, Constand A., New Haven, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic pilot for rotary wing aircraft. 2,443,192, June 15.
- Moeller, George L., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Manufacturing commutators. 2,449,309, Sept. 14.

- Moeller, William C., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo. Covering shield mount for safety helmets. 2,447,083, Aug. 17.
- Moerchen, William H.: *See—*
Duis, Troy F., and Moerchen.
- Moergeli, Eduard: *See—*
Kern, Walter, Sutter, Moergeli, and Holbro.
- Moffatt, John H., Indianapolis, Ind. Parking device. 2,455,133, Nov. 30.
- Mofats Limited, assignee: *See—*
Smith, Elmore S.
- Moffatt, Frank R., and A. E. Goehringer, Ridgeway, Pa., assignors to United States Leather Company, New York, N. Y. Wringing machine. 2,434,867, Jan. 13.
- Moffatt, Reginald J., deceased, Sydney, New South Wales, Australia; K. M. Elliott, executrix, assignor to K. M. Elliott. Attachable and replaceable heel for footwear. 2,435,723, Feb. 10.
- Moffett, Frank W., Jr., Gates, N. Y. Demountable drier for hay and the like having a perforate floor and air circulating means. 2,439,853, Apr. 20.
- Moffett, Frank W., Jr., Gates, N. Y. Drying truck for hay or other materials. 2,443,865, June 22.
- Mogan, James E., Denver, Colo. Clothes rack for automobiles. 2,456,303, Dec. 14.
- Mohawk Carpet Mills, Inc., assignee: *See—*
Bragiel, Albert, and Scott.
Cogovan, Edward J.
Cogovan, Edward J., and Jones.
- Mohler, Marvin F., Arlington, Va. Plug and jack box switching unit. 2,438,515, Mar. 30.
- Mohnkern, Charles L., Oil City, Pa., assignor to Oil Well Supply Company. Locking mechanism for well drilling rotaries. 2,443,744, June 22.
- Mohr, Joseph J., Encinitas, Calif. Hammer attachment for rotary drills. 2,442,140, May 25.
- Mollanen, Edward S., Oakland, Calif. Boxing glove. 2,451,685, Oct. 19.
- Moilliet, John L.: *See—*
Fordham, Stanley, and Moilliet.
- Moir, Lillian A., assignee: *See—*
Sprague, George H.
- Moir, Thomas G., Round Lake, assignor to Burgess Battery Company, Freeport, Ill. Emulsified battery electrolyte. 2,441,896, May 18.
- Moir, William T., Sherwood, Oreg. Matrix predrier. 2,454,334, Nov. 23.
- Moist-R-Proof Container Co., assignee: *See—*
Denton, Harvey R.
- Mojonnier Bros. Co., assignee: *See—*
Mojonnier, Oliver W.
- Mojonnier, Oliver W., River Forest, Ill., assignor to Mojonnier Bros. Co. Buffing machine. 2,437,398, Mar. 9.
- Mojonnier, Oliver W., River Forest, Ill., assignor to Mojonnier Bros. Co. Buffing machine. 2,437,434, Mar. 9.
- Moksnes, Karl E., Whitewater, assignor to Dairy Equipment Company, Madison, Wis. Milk can truck. 2,453,246, Nov. 9.
- Molaver, Harry, assignor, by mesne assignments, to The Oil Equipment Manufacturing Corporation, New Haven, Conn. Liquid gauge. 2,446,844, Aug. 10.
- Molchan, Stephan, El Monte, assignor of one-half to Hy Schwartz, Los Angeles, Calif. Curling rod. Re. 23,061, Dec. 14.
- Molded Latex Products, Inc., assignee: *See—*
Hagen, John A., Prendergast, and Gregor.
- Moline, Carl R., Homewood, assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,436,263, Feb. 17.
- Moline Machine Company, Limited, assignee: *See—*
Harvey, Valentine P.
- Moline, Walter E.: *See—*
Thompson, Merrill M., and Moline.
- Molins, Desmond W., V. P. Harvey, J. A. Mason, and G. F. W. Powell, assignors to Molins Machine Company Limited, Deptford, London, England. Loading and firing mechanism for quick-firing guns. 2,439,142, Apr. 6.
- Molins, Desmond W., assignor to Molins Machine Company, Limited, London, England. Machine for making continuous rods. 2,444,306, June 29.
- Molins, Desmond W., V. P. Harvey, J. A. Mason, and G. F. W. Powell, assignors to Molins Machine Company, Limited, Deptford, London, S. E. 8, England. Fuse setting apparatus. 2,451,764, Oct. 19.
- Molins Machine Company, Limited, assignee: *See—*
Molins, Desmond W.
Molins, Desmond W., Harvey, Mason, and Powell.
Ruau, Felix F.
- Molitor, Edward T., Seattle, Wash. Egg cleaner. 2,450,606, Oct. 5.
- Moll, Fred M., West Bend, Wis. Disappearing tooth bars for concaves. 2,457,259, Dec. 28.
- Molla, Charles P., New Hyde Park, N. Y. Knockdown metal chair. 2,437,303, Mar. 9.
- Molla, Charles P., New Hyde Park, N. Y. Knockdown wrought iron chair. 2,437,304, Mar. 9.
- Möller, Fredrik A., Haren, near Groningen, and J. Lolkema, Hoogezand, assignors to Naamlooze Vennootschap; W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Starch compositions capable of forming water-soluble derivatives. 2,451,686, Oct. 19.
- Moller, Wilhelm, Kirklyn, Pa. Bicycle and like vehicles. 2,450,979, Oct. 12.
- Mollier, Etienne N., Paris, France. Moving picture flashing apparatus. 2,454,080, Nov. 16.
- Molloy, Eddie, Buffalo, and L. G. Raiche, Kenmore, assignors, by mesne assignments, to Curtiss-Wright Corporation, New York, N. Y. Arresting gear. 2,454,081, Nov. 16.
- Molloy, James F., Oakland, Calif. Toilet flushing assembly. 2,448,231, Aug. 31.
- Molloy, James F., Oakland, Calif. Pressure controlled self-closing valve. 2,453,450, Nov. 9.
- Molloy, James F., Oakland, Calif. Toilet. 2,456,885, Dec. 21.
- Molly, Hans, Berlin-Tempelhof, Germany, vested in the Attorney General of the United States. Pump. 2,344,522, July 13.
- Molnar, Eugene J., Toledo, Ohio, assignor to Montclair Research Corporation. Alginate impression material containing chromic sulfate. 2,454,709, Nov. 23.
- Moloney, Edgar J., East Orange, N. J. Building construction. 2,443,491, July 20.
- Moloney, Raymond T., assignee: *See—*
Anderson, Carl G.
Hooker, Donald E., and Nicolaus.
May, Sam.
- Molpus, Caleb M., Memphis, Tenn. Toilet ventilating means. 2,451,108, Oct. 12.
- Molumby, Leon F.: *See—*
Molumby, Matthew J. and L. F.
- Molumby, Matthew J. and L. F., West Union, Iowa. Pocket prophylaxis dental unit. 2,455,600, Dec. 7.
- Momberg, James W.: *See—*
Fuge, Harry B. and Momberg.
- Momberg, James W., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine drive. 2,454,471, Nov. 23.
- Monaco, Foster F., Jackson Heights, N. Y. Brush and crumber set. 2,455,695, Dec. 7.
- Monaco, George C., Douglaston Hills, N. Y. Method and apparatus for coating comestibles. 2,439,899, Apr. 20.
- Monagin, Eugene L., U. S. Navy, Uvalde, Tex. Shoe sole with curved ground-contacting face. 2,435,976, Feb. 17.
- Monarch Governor Company, assignee: *See—*
Anderson, James W., Jr.
- Monarch Machine Tool Company, The, assignee: *See—*
Abe, Philber A.
Foster, Theodore.
- Monath, Paul E., Hewlett, N. Y. Self-stirring cooking utensil. 2,456,981, Dec. 21.
- Monclair Research Corporation, assignee, et al.: *See—*
Rust, John B., and Canfield.
- Moncrief, John L., Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War. Remote control system. 2,444,460, July 6.
- Moncrief, John L., Eatontown, N. J. Remote-control system for prime mover dynamo plants. 2,450,904, Oct. 12.
- Moncrieff, Robert W., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Process and apparatus for the extrusion of fused artificial materials. 2,437,703, Mar. 16.
- Moncrieff, Robert W., and W. Pool, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Method and apparatus for the melt extrusion of artificial materials. 2,437,704, Mar. 16.
- Mondron, Ralph R. and R. E., Mount Vernon, Ohio. Variable fraction plug. 2,445,533, July 20.
- Mondron, Romaine E.: *See—*
Mondron, Ralph R. and R. E.
- Money, Benjamin F.: *See—*
MacLean, John A., Jr., and Money.
- Money-Meters, Inc., assignee: *See—*
Gordon, Alexander M.
- Money, Roland H., Mount Healthy, and J. W. Craig, Cincinnati, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Shelf structure with guard for refrigerator doors. 2,434,117, Jan. 6.
- Monick, John C., Longview, Wash. Drier. 2,447,766, Aug. 24.
- Monier, Joseph A., Jr.: *See—*
Brondyke, Willis F., and Monier.
- Monitor Controller Company, The, assignee: *See—*
Frese, Joseph F.
- Monitor Process Corporation, assignee: *See—*
Hopwood, John A.
- Monk, Samuel A., Mansfield, assignor of one-half to Mellor Bromley and Company Limited, Leicester, England. Knitting machine. 2,442,822, June 8.
- Monkiewicz, Rudolf A., North Tonawanda, N. Y. Carriage stop. 2,455,793, Dec. 7.
- Monkley, Edward H., Worcester, Mass. Tool grinding fixture. 2,454,472, Nov. 23.
- Monks, Frank E., assignor to Fuller Label & Box Company, Pittsburgh, Pa. Aerial delivery mechanism. 2,435,150, Jan. 27.
- Monogram Manufacturing Company, assignee: *See—*
Wallace, Frank C., and Foster.
- Monolith Portland Midwest Company, assignee: *See—*
Anderson, Frank J., and Williams.
- Monowatt Electric Corporation, assignee: *See—*
Benander, George B.
- Monowatt Incorporated, assignee: *See—*
Benander, George B.

- Monroe Auto Equipment Company, assignee: *See*—
Hildenbrand, Kenneth W.
McIntyre, Brouwer D. and W. D.
- Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Crosman, Loring P.
Fleming, Howard M.
Ohr, Albert P.
- Monroe, Frank A., Jr.: *See*—
Brown, James M., Bemis, and Monroe.
- Monroe, George S., and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of dehydrated castor oil. 2,439,982, Apr. 20.
- Monroe, Gordon R.: *See*—
Baker, Robert M., Monroe, and Reed.
- Monroe Paper Box Co., Inc., assignee: *See*—
Greisman, Hyman.
- Monsanto Chemical Company, assignee: *See*—
Basdekis, Costas H.
Beaver, David J.
Benignus, Paul G.
Blake, Edward S.
Boyd, Thomas.
Carswell, Thomas S.
Carswell, Thomas S., and Hayes.
Craver, John K.
Darby, Joseph R.
Davis, Walter M.
Debacher, Max O.
Debing, Lawrence M.
Dunlop, Richard D.
Emerson, William S.
Emerson, William S., and Heyd.
Emerson, William S., and Lucas.
Fordyce, Reid G.
Gamrath, Harry R.
Gittings, Lewis D.
Glick, Sanford E.
Gluesenkamp, Earl W., and C. aig.
Harman, Marion W.
Hitchens, Richard M.
Hochwalt, Carroll A., Stehman, and Sudhoff.
Hood, Ralph S.
Hunt, Richard H.
Kaberg, Russell A., and Harris.
Kispersky, John P. and Seymour.
Kosmin, Milton, and Emerson.
Kyrides, Lucas P.
Kyrides, Lucas P., and Zienty.
Lawrence, Robert R.
Lawshe, Walter D.
Mares, Joseph R.
Marling, Paul E.
Morrill, Henry L., and Weinman.
Mowry, David T.
Mowry, David T., and Craig.
Park, Harold F.
Powers, Donald H., and Harrison.
Queeny, Edgar M.
Robshaw, Walter A.
Russell, Cecil H.
Schlattman, Russell H.
Scott, Milton J.
Scott, Milton J., and Rider.
Seymour, Raymond B.
Seymour, Raymond B., and Kispersky.
Seymour, Raymond B., and Mowry.
Smith, Franklin D.
Stephan, John T., Jarvi, and Ash.
Throdahl, Monte C.
Walter, Henry A.
Weinkauff, Oliver J.
Wilson, William S.
Zienty, Ferdinand B.
Zienty, Ferdinand B., and Kyrides.
Zienty, Ferdinand B., and Steahly.
- Monson, Harold H.: *See*—
Lededeff, Yuri E., and Monson.
- Monson, Louis T., Alhambra, W. W. Anderson, Montebello, and F. W. Jenkins, Los Angeles, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Processes for resolving oil-in-water emulsions. Re. 22,963, Jan. 13.
- Montagné, Elisée, Saint-Glons, assignor to Societe L'Entreprise Industrielle, Paris, France. Apparatus for regulating water streams and sand clearing devices. 2,438,103, Mar. 16.
- Montague, Homer R.: *See*—
Eichberg, Robert L., and Montague.
- Monteaim, Incorporated, assignee: *See*—
Roth, Joseph N.
- Montclair Research Corporation, assignee, et al.: *See*—
MacKenzie, Charles A., and Rust.
Molnar, Eugene J.
Robertson, John W.
Rust, John B.
Rust, John B., and Canfield.
Rust, John B., and Pfeifer.
- Montellus, Carl O. J., assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden. Fluid regulating device. 2,437,113, Mar. 2.
- Montenotte, Charles J., Detroit, Mich. Stop light for automobiles. 2,455,794, Dec. 7.
- Montomerie, John A., Cambuslang, and P. K. Archibald, Bearsden, Scotland, and L. C. Bradshaw, Langley, England, assignors to International Bitumen Emulsions Limited, Slough, England. Emulsification of coal tar pitch. 2,443,322, June 15.
- Montgomery, Andrew P., Narberth, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signaling system. 2,445,233, July 13.
- Montgomery, Charles W.: *See*—
Gilbert, William I., and Montgomery.
Pardee, William A., and Montgomery.
- Montgomery, Charles W., Oakmont, J. B. McKinley, Pittsburgh, and V. J. Anhorn, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic destructive hydrogenation. 2,440,869, May 4.
- Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Tool. 2,441,533, May 11.
- Montgomery, Earle T., Columbus, assignor, by mesne assignments, to The National Clay Pipe Research Corporation, Logan, Ohio. Flexible joint construction for ceramic pipe. 2,445,963, July 27.
- Montgomery, George B., Castle-Douglas, Scotland. Lens coupling mount. 2,440,344, Apr. 27.
- Montgomery, Marvin E., Canton, Kans. Flashlight. 2,444,107, June 29.
- Montgomery, Paul H.: *See*—
Lindvall, Frederick C., Beemer, and Montgomery.
- Montgomery Ward & Co., Incorporated, assignees: *See*—
Hoffman, Arthur J., and Muerle.
- Montgomery, William W., El Paso, Tex. Cabinet comprising spaced inner and outer enclosures and connecting same to a base. 2,442,056, May 25.
- Montgomery, William W., El Paso, Tex. Radio cabinet and indicator. 2,443,745, June 22.
- Moo, Gothard T., Cranston, assignor to Weskenson Corporation, Providence, R. I. Mechanical transmission. 2,448,386, Aug. 31.
- Mood, Luther, assignee, et al.: *See*—
Pfeffer, William E.
- Mood, Paul, assignee, et al.: *See*—
Pfeffer, William E.
- Moody, Dwight L.: *See*—
Babb, Harold H., and Moody.
- Moody, Earle C.: *See*—
Calvin, Harry C.
- Moody, George D., assignor of one-third to R. E. Moody, Arkansas City, Kans. Deodorizing and steam condensing device. 2,452,859, Nov. 2.
- Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Governor construction. 2,434,001, Jan. 6.
- Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Revolution counter actuator. 2,453,926, Nov. 16.
- Moody, John L., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Motor and clutch control mechanism. 2,456,980, Dec. 21.
- Moody, Lewis F., Princeton, N. J. Apparatus for regulating centrifugal machines. 2,449,002, Sept. 7.
- Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Ventilation system for motion-picture projectors. 2,440,966, May 4.
- Moody, Ralph E., assignee: *See*—
Moody, George D.
- Moomjian, Harry A., Los Angeles, Calif. Coffee brewing control. 2,448,149, Aug. 31.
- Moon, Adelle M., Oakland, assignor of one-third to V. A. Burke, and one-third to E. Lausten, both of San Francisco, Calif. Brassiere. 2,445,449, July 20.
- Moon, James M., Graham, N. C. Electric drain stopper. 2,454,333, Nov. 23.
- Moon, Robert D., Edmonton, Alberta, Canada. Conveyor mechanism for propelling timbers. 2,445,149, July 13.
- Mooney, Albert W., Wichita, Kans. Mechanical translating device. 2,441,247, May 11.
- Mooney, Charles F., Charlotte, N. C. Safety device for trailers. 2,438,346, Mar. 23.
- Mooney, Edward, Venice, Calif. Motor fan blade control. 2,440,519, Apr. 27.
- Mooney, Fred L.: *See*—
Hart, Fred V., and Mooney.
- Mooney, Fred L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,457,172, Dec. 28.
- Moore, Arnold R., Lancaster, Pa., assignor to Radio Corporation of America. Rugged gaseous discharge triodes. 2,451,297, Oct. 12.
- Moore Business Forms, Inc., assignee: *See*—
Gilbert, Joseph A.
Gilbert, Joseph A., and Johnson.
- Moore, Charles O.: *See*—
Kennedy, Grosvenor A., and Moore.
- Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument chart plate support. 2,436,971, Mar. 2.
- Moore Company, The, assignee: *See*—
Elder, Charles J.
Moore, Robert D.
- Moore Corporation, The, assignee: *See*—
Stuckey, Warren A., and Gregurich.
- Moore, David P., Forest Hills, N. Y., assignor to Premium Merchandising Corporation. Ink paste cartridge for ball point fountain pens. 2,438,786, Mar. 30.

- Moore, David P., Forest Hills, N. Y., assignor to Premium Merchandising Corporation. Fountain pen. 2,441,280, May 11.
- Moore, David P., Roslyn, N. Y., assignor to Godfrey Bloch, Incorporated. Suction apparatus for knitting machines. 2,457,104, Dec. 21.
- Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Film-type resistor and manufacturing the same. 2,438,250, Mar. 23.
- Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Ratio-measuring system. 2,454,520, Nov. 23.
- Moore Dry Kiln Company of Oregon, The, assignee: *See*—Cobb, James F.
- Moore, Earl E., Los Angeles, Calif. Tubular hand garden weeder. 2,439,524, Apr. 13.
- Moore, Edward, Newark, N. J. Lubricating means for internal-combustion engines. 2,438,816, Mar. 30.
- Moore, Edward R., Fargo, N. Dak. Embalmer's protector. 2,450,247, Sept. 28.
- Moore, Edwin L.: *See*—MacDowell, Louis G., Moore, and Atkins.
- Moore, Elmer E.: *See*—Johnson, William A., and Moore.
- Moore, Frank J.: *See*—Stewart, Meredith M., and Moore.
- Moore, Frank J., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Effecting catalytic reactions. 2,440,109, Apr. 20.
- Moore, Frederick J., Los Angeles, Calif., assignor to the United States, as represented by the Secretary of War. Surgical instrument for curetting. 2,437,329, Mar. 9.
- Moore, George A., assignor to National Biscuit Company, New York, N. Y. Container. 2,437,114, Mar. 2.
- Moore, George A., assignor to National Biscuit Company, New York, N. Y. Sealed slide container. 2,445,034, July 13.
- Moore, George E., Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc. Clutch and brake device. 2,453,581, Nov. 9.
- Moore, George L., Detroit, Mich. Lubricating device. 2,439,053, Apr. 6.
- Moore, Glenn, assignee: *See*—Brown, Franklin M.
- Moore, Guy S., Fall River, assignor to A. Lagasse, Boston, Mass. Tie rack. 2,456,527, Dec. 14.
- Moore, Harold K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glazing unit. 2,441,831, May 18.
- Moore, Harry, assignee: *See*—Letvin, Abe.
- Moore, Harry W., Dayton, Ohio. Tractor drive. 2,445,797, July 27.
- Moore, Hazel E., Oakland, Calif. Pack for use in refrigeration anesthesia. 2,438,643, Mar. 30.
- Moore, Hilbert R., Pluckemin, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy measuring apparatus. 2,451,572, Oct. 19.
- Moore, Homer L., Chamblee, Ga. Food preserving apparatus. 2,453,530, Nov. 9.
- Moore, J. W., Machinery Corporation, assignee: *See*—Paulsen, Hans C.
- Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Circuit for periodically generating oscillations. 2,448,543, Sept. 7.
- Moore, John B., Brooklyn, N. Y., and R. E. Mathes, Westfield, N. J., assignors to Radio Corporation of America. Printing telegraph system. Re. 23,028, Aug. 17.
- Moore, John C., assignor to Rex Manufacturing Company, Inc., Connerville, Ind. Apparatus for applying insulation. 2,437,831, Mar. 16.
- Moore, John R.: *See*—Victory, Frederick C., and Moore.
- Moore, John R., and D. L. Colbath, Schenectady, N. Y., assignors to General Electric Company. Gyroscopic computer for determining gun sight deflection. 2,440,968, May 4.
- Moore, L. N., assignee: *See*—Eidson, Greyburn T., Moore, and Phillips.
- Moore, Lee C., Corporation, assignee: *See*—Woolslayer, Homer J., Campbell, and Jenkins.
- Moore, Leonard P., New York, N. Y., and W. P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Ethylene sulfide reaction products of guanurea. 2,442,957, June 8.
- Moore, Leonard P., New York, N. Y., and W. P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction of biguanide and ethylene sulfide. 2,453,333, Nov. 9.
- Moore, Maryalce C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrophilic-organophilic pigments and producing same. 2,457,591, Dec. 28.
- Moore, Milford B.: *See*—Abrams, Talbert, Moore, and Nelson.
- Moore, Milford B., assignor to T. Abrams, doing business as Abrams Instrument Company, Lansing, Mich.
- Moore, Milford B., Brighton, assignor to Graflex, Inc., Rochester, N. Y. Sensitized-material holder for photographic cameras. 2,450,811, Oct. 5.
- Moore, Ralph T., Lakewood, assignor to The American MonoRail Company, Cleveland, Ohio. Electrified crane conveyor. 2,436,590, Feb. 24.
- Moore, Raymond W., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control. 2,456,982, Dec. 21.
- Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Control circuit for relaxation oscillators. 2,443,922, June 22.
- Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Quenched amplifier system. 2,457,062, Dec. 21.
- Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Seal for fans. 2,447,957, Aug. 24.
- Moore, Robert L., Greene Township, St. Joseph County, assignor to Bendix Home Appliances, Inc., South Bend, Ind. Drinking straw dispenser. 2,442,730, June 1.
- Moore, Robert W.: *See*—Bolt, Jay A., and Moore.
- Moore, Samuel, & Company, assignee: *See*—Austin, Dwight E.
- Moore, Samuel D., Mantua, assignor to Samuel Moore & Company, Cleveland, Ohio. Plastic coated article. 2,447,420, Aug. 17.
- Moore, Sidney A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Voltage indicator for electric fences. 2,450,153, Sept. 28.
- Moore Special Tool Co., Inc.: *See*—Victory, Frederick C., and Moore.
- Moore, Stanley S., Stockton, Calif. Front end elevator for tractors. 2,434,002, Jan. 6.
- Moore, Thomas, Washington, D. C. Rigging insulation installation. 2,445,798, July 27.
- Moore, Thomas E., Winter Haven, Fla. Latch for menu frames. 2,442,902, June 8.
- Moore, Vincent, Glen Rock, N. J., assignor to Wright Aeronautical Corporation. True-motion connecting rod. 2,442,875, June 8.
- Moore, Wilbert P., Worland, Wyo. Adjustable window shade bracket. 2,453,806, Nov. 16.
- Moore, William Clay, Springfield, Mass., assignor to Johnson Gage Company, Bloomfield, Conn. Screw-thread gauging device. 2,440,967, May 4.
- Moore, William E., assignor to E. J. McBride, Philadelphia, Pa. Articulated bobbin holder. 2,437,471, Mar. 9.
- Moore, William H., Buffalo, N. Y. Smoking pipe holder and drier. 2,447,084, Aug. 17.
- Moorehead, John O.: *See*—Vaughan, Victor G., and Moorehead.
- Moorehead, A., Dallas, Tex. Circulating gas heater. 2,454,195, Nov. 16.
- Moorman, Edward W., Lawrence, Kans., and H. A. Klein, Osborn, Ohio. Motor control apparatus. 2,441,585, May 18.
- Moos, Anthony M., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Hydrolysis of proteins. 2,442,055, May 25.
- Moos, Anthony M., New York, and S. D. Upham, Pearl River, assignors by mesne assignments to American Cyanamid Company, New York, N. Y. Water-soluble esters of riboflavin and preparation of same. 2,449,003, Sept. 7.
- Morain, Willard A., Hamilton, Ohio, assignor to Lima-Hamilton Corporation, New York, N. Y. Free piston engine air pressure make-up and auxiliary supply means. 2,434,280, Jan. 13.
- Morain, Willard A., Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Regulating the scavenging of free piston engines. 2,435,232, Feb. 3.
- Moran, Don E., and S. F. Jarvis, Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,452,065, Oct. 26.
- Moran, Francis D., Downers Grove, Ill. Wire curling apparatus and method. 2,457,705, Dec. 28.
- Moran, J. Arthur, assignee, et al.: *See*—Birdsall, Robert E.
- Moran, William C., Laurel Springs, N. J., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Indicator for impact testing machines. 2,447,767, Aug. 24.
- Morane, Roger, Paris, and R. Martinet, Ville D'Avray, France. Machine for the manufacture of metal grains. 2,456,439, Dec. 14.
- Morash, Norman: *See*—Booth, Robert B., and Morash.
- Morawski, London T.: *See*—Parker, John J., and Morawski.
- Morawski, London T., assignor to Michigan Tool Company, Detroit, Mich. Indexing fixture. 2,441,832, May 18.
- Morbell Products Corporation, assignee: *See*—Bell, John G.
- Morberg, Kenneth F., assignor to H. A. Torstenson, Chicago, Ill. Tacker. 2,456,526, Dec. 14.
- Mordan, Joseph R., Alden, N. Y. Air propelled top. 2,449,405, Sept. 14.
- Morden, Harley W., assignor of fifty per cent to H. H. Gies, Toronto, Ontario, Canada. Clip for forming neckties. 2,438,295, Mar. 23.
- Morders, Howard, Bethesda, Md. Connecting separated parts of bicycle frames. 2,447,956, Aug. 24.

- More, John H., administrator: *See*—
Randall, Harold O., and Geers, and More.
- More, John H., special administrator: *See*—
Carey, Edward J., and Geers.
- Moreau, Eduardo E., Buenos Aires, Argentina. Integrator. 2,449,310, Sept. 14.
- Moreau, Jean, assignee: *See*—
Chatelais, Edouard G.
- Morehead, Chalmers, East Orange, and D. S. Gustin, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluorescent and/or cathode glow lamp and method. 2,438,181, Mar. 23.
- Morehead, John H., and H. D. Schmidt, Long Beach, Calif. Hydraulic reel mount for warehouse trucks. 2,452,481, Oct. 26.
- Morehouse, Neal F.: *See*—
Mayfield, Orley J., Morehouse, and Walde.
- Morehouse, Neal F., and O. J. Mayfield, assignors to Dr. Salsbury's Laboratories, Charles City, Iowa. Poultry treatment composition. 2,450,866, Oct. 5.
- Morelock, Oliver J., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Test socket. 2,448,452, Aug. 31.
- Morelock, Oliver J., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Mutual conductance tester. 2,456,833, Dec. 21.
- Morey, Donald R.: *See*—
Tambllyn, John W. and Morey.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. N-substituted, 2-butene-1,4-diamines, and preparing. 2,440,724, May 4.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. N-substituted 1-butene-3,4-diamines and preparing them. 2,441,669, May 18.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing alkylaminoketone oximes. 2,445,626, July 20.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing unsaturated alcohols. 2,454,936, Nov. 30.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. 4-amino-4-methylvaleroalkylamides and preparing same. 2,456,590, Dec. 14.
- Morey, Glen H., and R. F. Taylor, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of halogenated olefins. 2,453,089, Nov. 2.
- Morey, Robert E.: *See*—
Taylor, Howard F., and Morey.
- Morey, Robert E., Washington, D. C., and R. C. Wayne, United States Navy. Support for crucibles and ladles. 2,444,461, July 6.
- Morf, Ernest, La Chaux-de-Fonds, Switzerland. Watertight watchcase. 2,446,603, Aug. 10.
- Morf, Ernest, La Chaux-de-Fonds, Switzerland. Shock absorbing bearing. 2,455,081, Nov. 30.
- Morfit, Oliver: *See*—
Dickinson, John T., Morfit, and Van Orden.
- Morgan, Agnes F., Berkeley, Calif., and B. M. Watts, Pullman, Wash., assignors to the United States of America as represented by the Secretary of War. Dehydrated meat scrapple and making the same. 2,457,063, Dec. 21.
- Morgan, Arthur E., assignee, et al.: *See*—
Bean, Morris.
- Morgan, Atwill: *See*—
De Bray, Glenn L., and Morgan.
- Morgan, Ben O.: *See*—
Vaughn, Thomas J., and Morgan.
- Morgan, Clyde W., Atlanta, Ga. Automobile refreshment tray. 2,435,151, Jan. 27.
- Morgan Construction Company, assignee: *See*—
Andersen, David P., and Kneass.
- Hawthorne, Charles W. Young, Richard W.
- Morgan Crucible Company Limited, assignee: *See*—
Hallett, Charles G. H.
- Morgan, David E., Philadelphia, Pa., assignor to Warren Webster & Company, Camden, N. J. Radiator fin construction. 2,450,203, Sept. 28.
- Morgan, Don H., assignor to The Troy Sunshade Company, Troy, Ohio. Tractor umbrella. 2,442,931, June 8.
- Morgan, Erving B., and R. W. Clay, assignors to American Seating Company, Grand Rapids, Mich. Spring pivot chair structure. 2,455,262, Nov. 30.
- Morgan, Frank H., Glendale, Calif. Meat tenderizer. 2,453,334, Nov. 9.
- Morgan, Harold E., Springfield, Ohio. Parallel cathode ray tube. 2,443,634, June 22.
- Morgan, Helen T., New York, N. Y. Bathing suit. 2,443,474, June 15.
- Morgan, Herbert W., Webster Groves, Mo., assignor to Hussmann Refrigerator Co. Sectional frozen food locker plant. 2,436,117, Feb. 17.
- Morgan, Jack E.: *See*—
Guenther, Alfred, and Morgan.
- Morgan, Jack E., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Pyridazine derivatives and preparing the same. 2,454,742, Nov. 23.
- Morgan, James E., Orlando, Fla. Multiple air screw driven from a common shaft. 2,437,399, Mar. 9.
- Morgan, John D.: *See*—
Levitt, Percy R., and Morgan.
- Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company. High capillarity lubricating oil. 2,446,944, Aug. 10.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. High viscosity damping fluid. 2,442,741, June 1.
- Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Grease dispensing unit. 2,450,248, Sept. 28.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Sealing compounds. 2,457,087, Dec. 21.
- Morgan, Joseph P., New Castle, Pa. Safety brake for band saw blades. 2,434,174, Jan. 6.
- Morgan, Leslie B., Baugley, P. Russell, A. A. Gibson, R. A. Kinnear, and R. G. Heyes, Welwyn, Garden City, England, assignors to Imperial Chemical Industries Limited. Plasticizing polyvinyl chloride compositions. 2,455,042, Nov. 30.
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Actuator assembly for brake mechanism. 2,435,977, Feb. 17.
- Morgan, Porter S., Westport, assignor to The Connecticut Variable Gear Corporation, New Haven, Conn. Worm and wheel unidirectional transmission gearing. 2,448,187, Aug. 31.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to United States of America as represented by the Secretary of War. Radiation responsive system. 2,441,324, May 11.
- Morgan, Willard L.: *See*—
Verhoek, Frank H., and Morgan.
- Morgan, Willard L., Columbus, Ohio, assignor to American-Maize Products Company. Plasticized prolamine-base protein compositions. 2,452,314, Oct. 26.
- Morgan, Willard L., Columbus, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for making pattern mirrors and other coatings. 2,453,582, Nov. 9.
- Morgan, Willard L., Columbus, Ohio, and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Means for thermally evaporating various materials in vacuums for coating purposes. 2,439,983, Apr. 20.
- Morgan, Willard L., Columbus, and C. R. Faelten, Clinton Township, Franklin County, Ohio, assignors to American-Maize Products Company. Plasticized prolamine-base protein compositions. 2,452,313, Oct. 26.
- Morgan, Willard L., Columbus, and C. R. Faelten, Clinton Township, Franklin County, Ohio, assignors to American-Maize Products Company. Plasticized prolamine-base protein compositions. 2,452,315, Oct. 26.
- Mori, Ernest A., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for dry sump lubrication of engines. 2,456,886, Dec. 21.
- Morin, Fernando A., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Contact structure for electrolytic cells. 2,443,112, June 8.
- Morin, Louis H., executor: *See*—
Marinsky, David.
- Marinsky, Davis, and Morin.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Trimming gates of die castings. 2,435,505, Feb. 3.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Coaxial cable. 2,438,347, Mar. 23.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Forming and arranging castings on an elongated mounting. 2,438,348, Mar. 23.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Stop device for pull apart sliders for separable fasteners. 2,438,614, Mar. 30.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Fastener stringer and producing the same. 2,438,615, Mar. 30.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Apparatus for forming groups of die castings. 2,446,056, July 27.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Plastic casting machine. 2,446,057, July 27.
- Morin, Louis H., Bronx, N. Y. Die-casting machine. 2,447,355, Aug. 17.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Forming and ejecting die castings. 2,450,482, Oct. 5.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Coaxial cable. 2,452,948, Nov. 2.
- Morin, Louis H., Bronx, N. Y. Forming coaxial cables. 2,456,304, Dec. 14.
- Morith, Franklin J., Huntington Park, Calif. Variable speed and power transmission. 2,455,082, Nov. 30.
- Mork, George W., assignor to Bucyrus Erie Company, South Milwaukee, Wis. Bulldozer attachment for jeeps. 2,450,905, Oct. 12.
- Mork, Raymond P., Schenectady, N. Y., assignor to General Electric Company. Controlled frequency oscillator. 2,451,858, Oct. 19.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Steering means for agricultural implements. 2,435,506, Feb. 3.
- Morkoski, James, Canton, Ill., assignor to International Harvester Company. Lift mechanism for implements. 2,440,779, May 4.

- Morley, Charles E., Detroit, Mich. Adjustable support. 2,452,316, Oct. 26.
- Moroco, Philip, Farrell, Pa., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for casting metals. 2,445,583, July 20.
- Morreall, Herbert W., Jr., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Developing multilayer film containing color formers. 2,442,930, June 8.
- Morrell, Charles E.: *See*—
Robey, Richard F., and Morrell.
- Morrell, Charles F., Westfield, N. J., assignor to Standard Oil Development Company. Diolefin extraction. 2,444,945, July 13.
- Morrell, Charles E., Westfield, J. K. Small, Union, and H. L. Yowell, Elizabeth, N. J. Making olefin chlorohydrins. 2,436,591, Feb. 24.
- Morrell, Charles E., Westfield, and L. K. Beach, Mountaintide, N. J., assignors to Standard Oil Development Company. Oxidation of aromatic compounds. 2,443,832, June 22.
- Morrell, Charles E., Westfield, and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Preparation of substituted styrenes. 2,449,004, Sept. 7.
- Morrell, Charles E., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Separating hydrocarbons. 2,453,853, Nov. 16.
- Morrell, Charles E., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Selective copper solvent for diolefin extraction. 2,456,722, Dec. 21.
- Morrell, Jacques C.: *See*—
Thomas, Charles L., and Morrell.
- Morrill, Frank B., assignor to The James Hunter Machine Company, North Adams, Mass. Fulling mill. 2,442,742, June 1.
- Morrill, Henry L., Clayton, Mo., and C. J. Weinman, Champaign, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo. Insecticide. 2,435,690, Feb. 10.
- Morrill, Horace M., Pontiac, Mich. Propelling device. 2,456,440, Dec. 14.
- Morrill, Melvin A., Laton, Calif. Rotary side delivery rake. 2,447,354, Aug. 17.
- Morrill, Vaughan, Jr., assignor to American Stove Company, St. Louis, Mo. Liquid product and thermostatic device embodying same. Re. 22,961, Jan. 6.
- Morris, Arthur, Los Angeles, Calif. Electrical socket and adapter. 2,448,725, Sept. 7.
- Morris, Cedric W. M., Hamilton, Ontario, Canada. Portable electric signal lamp. 2,442,506, June 1.
- Morris, Charles O., Van Nuys, assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Conduit coupling. 2,438,412, Mar. 23.
- Morris, Darcy D.: *See*—
Sutherland, Brian P., Thompson, Simpkinson, and Morris.
- Morris, George, Ardrossan, Scotland, and J. Louden, Preston, England, assignors to Imperial Chemical Industries Limited. Fast burning delay fuze. 2,441,248, May 11.
- Morris, Henry C., assignee: *See*—
Charles, Howard S.
- Morris, Henry D., and P. A. Vonada, Dayton, Ohio. Radio-frequency switch assembly. 2,443,635, June 22.
- Morris, Howard L., San Marcos, Calif., assignor to The Yoder Company, Cleveland, Ohio. Apparatus for vulcanizing flexible tubes. 2,454,666, Nov. 23.
- Morris, J. I., Co., Inc., assignee: *See*—
Dirlam, John C., and Morris.
- Morris, John I.: *See*—
Dirlam, John C., and Morris.
- Morris, John M., Atlanta, Ga. Current wheel. 2,439,575, Apr. 13.
- Morris, Joseph M., San Bernardino, Calif. Cigarette rolling device. 2,436,015, Feb. 17.
- Morris, Leicester W., Berkley, Mich. Collapsible chair. 2,451,687, Oct. 19.
- Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of solvents. 2,455,601, Dec. 7.
- Morris Machine Works, assignee: *See*—
Jeffcock, Howard W.
- Morris, Nathan, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Refrigeration employing dry ice. 2,452,594, Nov. 2.
- Morris Paper Mills, assignee: *See*—
Clarke, John D.
Lebold, Samuel N.
- Morris, Philip, & Company, Ltd., Inc., assignee: *See*—
Greenwald, Willard F.
- Morris, Reginald B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Color blindness chart for detecting anomalous vision, deuteranopes, protanopes, tritanopes and monochromats. 2,453,335, Nov. 9.
- Morris, Rowland P.: *See*—
Campbell, Edward R., Frewin, Lennox, and Morris.
- Morris, Rupert C.: *See*—
Evans, Theodore W., Morris, and Shokal.
Powell, Henry K.
Shokal, Edward C., and Morris.
- Morris, Rupert C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Hydrocarbon-substituted thiacyclopentane-1,1-dioxide. 2,439,345, Apr. 6.
- Morris, Rupert C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Plural stage extractive distillation with inverse solvents. 2,434,424, Jan. 13.
- Morris, Rupert C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cyclic alcohols and their preparation. 2,435,403, Feb. 3.
- Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation of sulfolane ethers. 2,435,404, Feb. 3.
- Morris, Rupert C., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Recovery of olefinic hydrocarbons. 2,437,230, Mar. 2.
- Morris, Rupert C., and J. L. Van Winkle, Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Stabilized organic composition. 2,439,610, Apr. 13.
- Morris, Rupert C., and H. Dannenberg, Berkeley, and H. D. Finch, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Polyamides of trimethyladipic acid. 2,442,958, June 8.
- Morris, Rupert C., and B. M. Horowitz, Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Monomeric and polymeric unsaturated esters and their production. 2,445,627, July 20.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Organic sulfur-containing polymers. 2,445,799, July 27.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, Calif. Alkenyl sulfolanyl and sulfolenyl carbonates. 2,449,173, Sept. 14.
- Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenated linear polymers and copolymers of branch-chain hexadienes. 2,449,949, Sept. 21.
- Morris, Rupert C., Berkeley, A. V. Snider, Richmond, and P. H. Williams, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Cyclohexylcarbonyl thiocyanate esters. 2,450,765, Oct. 5.
- Morris, Rupert C., and N. C. Melchior, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogenation of unsaturated cyclic sulfones. 2,451,298, Oct. 12.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl esters. 2,451,299, Oct. 12.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl sulfones. 2,452,949, Nov. 2.
- Morris, Thelma S., Phoenix, Ariz. Electric hairbrush. 2,446,236, Aug. 3.
- Morris, William A., Ottawa, Ontario, Canada. Aircraft pontoon device. 2,444,264, June 29.
- Morris, William N., Wilmette, assignor to De Leuw, Cather & Co., Chicago, Ill. Turntable structure. 2,441,436, May 11.
- Morris, William P., Hobbs, N. Mex. Undergarment. 2,457,260, Dec. 28.
- Morrison, Alexander L.: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.
Bergel, Franz, Morrison, and Rinderknecht.
- Morrison, Alexander L., and M. Königstein, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Ether-esters of organic hydroxy diphenyl acetic acid and manufacture of same. 2,437,035, Mar. 2.
- Morrison, Clifford, Los Angeles, Calif., assignor to Western Equipment Company, a partnership composed of O. H. and A. H. Calhoun. Vacuum work holder. 2,446,295, Aug. 3.
- Morrison, Clifford, Rosemead and J. F. Hoch, Arcadia; said Hoch assignor to O. H. and A. H. Calhoun, Los Angeles, Calif.; said Morrison assignor to Western Equipment Company, a partnership composed of O. H. and A. H. Calhoun. Work holder. 2,449,987, June 22.
- Morrison, Fred C., Babbitt, Nev. Hose coupling. 2,434,219, Jan. 6.
- Morrison, Hackley, assignor to Texfan Company, Houston, Tex. Window fan. 2,452,950, Nov. 2.
- Morrison, Joseph I., Lincolnwood, Ill. Oil separator. 2,446,882, Aug. 10.
- Morrison, Joseph I., Lincolnwood, Ill. Liquid cooling system. 2,448,453, Aug. 31.
- Morrison, George O.: *See*—
Collins, Henry M., and Morrison.
- Morrison, George O., F. P. Lossing, A. H. Heatley, and J. F. L. M. Germain, Shawinigan Falls, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Polyvinyl acetal resins. 2,457,261, Dec. 28.
- Morrison, Grover C., Huntington, W. Va. Collar support. 2,456,887, Dec. 21.
- Morrison, Montford, Upper Montclair, N. J. Frequency and phase correction in oscillators. 2,435,751, Feb. 10.

- Morrison, Montford, Upper Montclair, N. J. Electronic timing apparatus. 2,436,725, Feb. 24.
- Morrison, Montford, Upper Montclair, N. J. Electric motor speed controller. 2,437,611, Mar. 9.
- Morrison, Montford, Upper Montclair, N. J. Amplifier system. 2,440,553, Apr. 27.
- Morrison, Montford, Upper Montclair, N. J. Operating gaseous thermionic tubes. 2,441,325, May 11.
- Morrison, Montford, Upper Montclair, N. J. Oscillation generating system. 2,443,691, June 22.
- Morrison, Montford, Upper Montclair, N. J. Absolute aircraft speedometer. 2,446,845, Aug. 10.
- Morrison, Montford, Upper Montclair, N. J. Crystal beat-frequency oscillator. 2,448,188, Aug. 31.
- Morrison, Montford, Upper Montclair, N. J. Electronic tube motor device. 2,456,441, Dec. 14.
- Morrison, Montford, Upper Montclair, N. J. Electromechanical oscillator. 2,456,442, Dec. 14.
- Morrison, Wendell C.: *See—*
Brown, George H., and Morrison.
- Morrison, Willard L., Lake Forest, Ill. Vacuum desiccating apparatus using the evaporator and condenser of a refrigerating device. 2,434,003, Jan. 6.
- Morrison, Willard L., Lake Forest, Ill. Storage container and evaporator for refrigerators. 2,436,592, Feb. 24.
- Morrison, Willard L., Lake Forest, Ill. Refrigerant evaporator. 2,441,833, May 18.
- Morrison, Willard L., Lake Forest, Ill. Cylindrical domestic refrigerator. 2,455,872, Dec. 7.
- Morrone, John A., Jersey City, N. J. Surgical clamp. 2,448,321, Aug. 31.
- Morrone, Joseph A., Westerly, R. I. Knockdown garden hose reel. 2,441,437, May 11.
- Morrone, Joseph A., assignor to Morrone Manufacturing Co., Westerly, R. I. Antiskid device for vehicle tires. 2,441,670, May 18.
- Morrone Manufacturing Co., assignee: *See—*
Morrone, Joseph A.
- Morrow, John W.: *See—*
Pastoret, John E., and Morrow.
- Morrow, Marvin E., assignor to Century Geophysical Corporation, Tulsa, Okla. Galvanometer movable coil support. 2,439,576, Apr. 13.
- Morse, Andrews, Co., assignee: *See—*
Morse, William J.
- Morse Boulder Destructor Company, assignee: *See—*
Mayer, Augustine.
- Morse, Brian B. K., Holyoke, Mass. Self-compensating gyro assembly. 2,448,905, Sept. 7.
- Morse Chain Company, assignee: *See—*
Howison, Robert J.
- Morse, Harold M.: *See—*
Walker, Brooks, and Morse.
- Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Clamp for master sheets of printing machines. 2,453,927, Nov. 16.
- Morse, Norman W., Chicago, assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill. Key shafts and rotors and producing same. 2,439,019, Apr. 6.
- Morse, Richard, Mattapoisett, Mass. Denture cleaner and holder. 2,443,988, June 22.
- Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Attachment cord anchorage with ball contact switch. 2,454,667, Nov. 23.
- Morse, Wayne A., Mission, Kans. Bottle carrier. 2,441,834, May 18.
- Morse, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dampening flexible connections. 2,456,983, Dec. 21.
- Morse, William J., Attleboro, Mass., assignor to Morse Andrews Co. Key ring construction. 2,435,152, Jan. 27.
- Mortensen, James C., Princeton, Ill. Respirator. 2,439,855, Apr. 20.
- Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol esters of mercapto carboxylic acids and products therefrom. 2,443,923, June 22.
- Mortimer, Frank J., Blue Point, assignor to Justus Roe & Sons, Patchogue, N. Y. Measuring tape reel housing construction. 2,449,406, Sept. 14.
- Mortimer, Robert H.: *See—*
Winkler, De Loss E., and Mortimer.
- Mortlock, Alfred, assignor to Standard Telephones and Cables Limited, London, England. Electric frequency counting arrangement. 2,445,800, July 27.
- Morton, Albert A., Vancouver, Wash., assignor to A. A. Morton, Portland, Oreg. Apparatus for converting reciprocal vertical motion into rotary motion. 2,434,004, Jan. 6.
- Morton, Alfred A., assignee: *See—*
Morton, Albert A.
- Morton, Avery A., Watertown, Mass., assignor to Research Corporation, New York, N. Y. Alkenyl alkali metal compounds. 2,454,082, Nov. 16.
- Morton, Charles D.: *See—*
Schultz, Edward S., and Morton.
- Morton, Eldred O., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam iron. 2,441,586, May 18.
- Morton, Evans T., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Two-temperature refrigeration system. 2,446,946, Aug. 10.
- Morton, George A.: *See—*
Flory, Leslie E., and Morton.
- Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Computing device. 2,435,840, Feb. 10.
- Morton, George A., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Computing device. 2,435,841, Feb. 10.
- Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic computing device. 2,446,945, Aug. 10.
- Morton, Henry J., Detroit, Mich. Electrically heated space radiator. 2,439,945, Apr. 20.
- Morton, Jack A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency oscillator. 2,436,398, Feb. 24.
- Morton, Jack A., Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency oscillator. 2,436,397, Feb. 24.
- Morton, Jack A., Neshaic Station, N. J., and L. J. Speck, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode assembly for electron discharge devices. 2,455,381, Dec. 7.
- Morton, Jens, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Input controllers. 2,447,356, Aug. 17.
- Morton, John L., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Filler reinforcing means and guard for mechanical pencils. 2,451,765, Oct. 19.
- Morton, Lloyd P., Great Falls, Mont. Auto chain. 2,444,462, July 6.
- Morton, Rose H., New York, N. Y. Umbrella rib tip. 2,436,321, Feb. 17.
- Morton Salt Company, assignee: *See—*
Phillips, Edwin R.
- Morton, Wilbur R.: *See—*
Large, William E., and Morton.
- Morton, William A., Mount Lebanon, Pa., assignor, by mesne assignments, to Manufacturers Trading Corporation, Cleveland, Ohio. Work-supporting structure and protective means for furnaces and the like. 2,435,362, Feb. 3.
- Morton, William A., Mount Lebanon, assignor, by mesne assignments, to Ansler Morton Corporation, Pittsburgh, Pa. Continuous heating furnace and operating the same. 2,451,349, Oct. 12.
- Morton, William A., and T. H. Sloan, assignor to G. M. S. Corporation, Pittsburgh, Pa. Apparatus for continuously drawing elongated products. 2,438,448, Mar. 23.
- Morway, Arnold J.: *See—*
Beerbower, Alan, and Morway.
Zimmer, John C., and Morway.
- Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,451,039, Oct. 12.
- Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricating grease. 2,453,153, Nov. 9.
- Moscove, Louis, Chicago, Ill. Question and answer rating device. 2,452,673, Nov. 2.
- Moscovitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Lubricants for textile materials. 2,454,822, Nov. 30.
- Moscovitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,823, Nov. 30.
- Moscovitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,824, Nov. 30.
- Moscovitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. 2,454,827, Nov. 30.
- Moscrip, William R., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Machinery for vacuum tube manufacture. 2,447,522, Aug. 24.
- Moseley, Francis L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Voltage regulator system. 2,453,451, Nov. 9.
- Moseley, Francis L., Chevy Chase, Md., assignor to The Sperry Corporation. Electrical control system. Re. 23,066, Dec. 21.
- Moseley, Francis L., Osborn, Ohio. Automatic landing system. 2,441,972, May 25.
- Moseley, Nicholas, Sandy Hook, Conn. Culinary strainer for puréeing food. 2,449,666, Sept. 21.
- Moselowitz, Herman G., New Brunswick, N. J. Combined curb and sewer. 2,436,593, Feb. 24.
- Moser, Carl, Larchmont, assignor to Lightoller Company, New York, N. Y. Lighting equipment. 2,448,494, Aug. 31.
- Moser, Frank T., Hartford, Conn. Packaged sundae. 2,435,094, Jan. 27.
- Moses, Raymond E., Jr.: *See—*
Eaton, Bruce G., Jr., and Moses.
- Moseman, John W., Jr.: *See—*
Lijegren, Lyle K., and Moseman, Jr.

- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Synthesis of hydrocarbons and oxygenated compounds. 2,438,449, Mar. 23.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Iron oxide-alkali metal pyroantimonate catalysts and preparation. 2,454,398, Nov. 23.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Iron oxide-alkali metal ferrate catalyst and its method of preparation. 2,455,696, Dec. 7.
- Mosher, Grover C., Duluth, Minn. Synchronizing valve. 2,442,857, June 8.
- Mosher, Harry S.: *See*—
Adams, Robert R., and Mosher.
- Mosher, Hugh H., Teaneck, N. J., and F. L. Howard, Kingston, R. I., assignors to Onyx Oil & Chemical Company. Cationic isouquinoline pesticide. 2,435,458, Feb. 3.
- Mosher, Jesse B., Colorado Springs, Colo. Wheeled toy. 2,438,616, Mar. 30.
- Mosher, Leslie V.: *See*—
Brillhart, Samuel E., and Mosher.
- Mosley, Alfred J., Euclid, assignor to The National Bronze and Aluminum Foundry Company, Cleveland, Ohio. Emergency tire shoe. 2,447,357, Aug. 17.
- Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Circuit control apparatus. 2,444,745, July 6.
- Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 2,448,615, Sept. 7.
- Mosner, Peter, Alexandria, Va., and O. Steinitz, New York, N. Y. Instrument for navigation. 2,444,708, July 6.
- Moss, Albert R.: *See*—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.
- Moss, Earl C.: *See*—
Mitchell, Donald H., and Moss.
- Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking the centerline of elongate parts. 2,455,516, Dec. 7.
- Moss, Earl C., Westfield, and H. W. Schaufelberger, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,434,744, Jan. 20.
- Moss, Eric B.: *See*—
Meredith, Frederick W., Moss, and Whatley.
- Moss, Jacob E., Detroit, Mich., assignor to The National Acme Company, Cleveland, Ohio. Toolholder. 2,453,722, Nov. 16.
- Moss, Jesse R., assignor to Plasticbilt Corporation, Greenville, S. C. Reinforced plastic bobbin construction. 2,453,247, Nov. 9.
- Moss, John B.: *See*—
Kessler, Philip V., and Moss.
- Moss, Philip H.: *See*—
Cook, Elmer W., and Moss.
- Mossak, Edward R., Milwaukee, Wis. Plowshare. 2,452,387, Oct. 26.
- Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Rear sight for firearms. 2,434,712, Jan. 20.
- Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Sight for firearms. 2,454,397, Nov. 23.
- Mossberg, O. F., & Sons, Inc., assignee: *See*—
Mossberg, Harold F.
- Mossberg Pressed Steel Corporation, assignee: *See*—
Olson, Robert V., and Johnson.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,441,366, May 11.
- Mossholder, Joseph L., Puente, Calif. Machine for preparing containers for transplanted nursery stock. 2,444,744, July 6.
- Mossman, Clayton W., assignee: *See*—
Croskey, Earl H., and Hackman.
- Mossman, Donald P., assignor to Donald P. Mossman, Inc., Chicago, Ill. Rotary switch. 2,433,920, Jan. 6.
- Mossman, Donald P., Inc., assignee: *See*—
Mossman, Donald P.
- Mossman, Donald P., Sr., Chicago, Ill. Wafer switch. 2,438,617, Mar. 30.
- Mostek, Jerome L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. 2-chloro-3-iminobutyronitrile and process. 2,434,507, Jan. 13.
- Mostek, Jerome L., Berwyn, Ill., assignor to Sinclair Refining Company, New York, N. Y. Producing iminodiacetonitrile. 2,442,547, June 1.
- Mostertz, Franz C., assignor to F. F. Metzger and Son, Philadelphia, Pa. Extensometer or strain gauge. 2,452,860, Nov. 2.
- Mosthof, Edwin, Orange, N. J. Model aeroplane. 2,439,054, Apr. 6.
- Motekewecz, Edward: *See*—
Ness, Irving S., and Motekewecz.
- Motiograph, assignee: *See*—
Wienke, Emil J.
- Motion Picture Engineering Corporation, assignee: *See*—
Bradford, Arthur J.
- Motor Economy Products, Inc., assignee: *See*—
Callaway, Clarence R., and Dunn.
- Motor Products Corporation, assignee: *See*—
Lane, Guy M., and Thunder.
- Motor Wheel Corporation, assignee: *See*—
Cotes, Mervin F.
Fell, Raymond E.
Fell, Raymond E., and Miller.
Horn, Harry J.
Miller, John W., and Figg.
Miller, John W., and Smith.
- Motorola, Inc., assignee: *See*—
Fruth, Hal F.
Fruth, Hal F., and Noble.
Holthouse, Harry B.
Holthouse, Harry B., Jr.
Mitchell, Donald H.
- Motors Metal Manufacturing Company, assignee: *See*—
McMath, Robert R., and Menzel.
- Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive supersonic transducer. 2,438,926, Apr. 6.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Pump. 2,437,887, Mar. 16.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Lifting device for tractors. 2,440,780, May 4.
- Mott, Carl W., La Grange, assignor to F. M. Muench, Wilmette, Ill. Nursing bottle holder. 2,448,189, Aug. 31.
- Mott, Chester, Evanston, A. F. Chouinard, and R. L. Harding, assignors to National Cylinder Gas Company, Chicago, Ill. Speed control for motive devices. 2,442,013, May 25.
- Mott, Ruthel J., Georgetown, Tex. Hair curler. 2,438,618, Mar. 30.
- Mottern, Henry O., Hillside, and F. M. Archibald, Elizabeth, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Distillation of alcohol from hydrolyzed mixtures of alkyl sulfates and sulfuric acid. 2,446,159, July 27.
- Mottern, Henry O., Hillside, and V. F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company. Preparation of unsaturated ketones. 2,451,350, Oct. 12.
- Mottern, Henry O., Hillside, and V. F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company. Production of unsaturated ketones. 2,451,351, Oct. 12.
- Mottern, Hugh H., and R. E. Buck, Philadelphia, Pa. Manufacture of ascorbic acid. 2,443,583, June 15.
- Motycka, Arthur, Beaver, assignor to Pittsburgh Tube Company, Monaca, Pa. Pipe testing apparatus. 2,448,820, Sept. 7.
- Motz, Dorace E., Van Nuys, Calif. Embroidery floss holders and dispensers. 2,446,383, Aug. 3.
- Moulet, Jean L. L. A. A., Oullins, France. Fuel pump. 2,446,604, Aug. 10.
- Moulin, Eric B., Brooklands, Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Dissipative load and watt meter for ultra high frequency electric power. 2,435,597, Feb. 10.
- Moulsdale, Andrew G., Abingdon, and J. N. Bruce, Baltimore, Md. Eyepiece adapter. 2,449,564, Sept. 21.
- Mouthrop, Orville Lee, Selma, assignor to Western Frozen Foods Co., Fresno, Calif. Preparing fresh green vegetables. 2,437,859, Mar. 16.
- Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Glass and making same. 2,434,281, Jan. 13.
- Moulton, Walter E., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fishing rod handle. 2,443,567, June 15.
- Mountjoy, Garrard, Manhasset, N. Y., G. D. Hulst, Jr., Upper Montclair, N. J., and E. Schoenfeld, Mamaroneck, N. Y., assignors to Radio Corporation of America. Radio navigation system. 2,445,361, July 20.
- Mouromtseff, Ilia E.: *See*—
Slack, Charles M., Mouromtseff, and Dinnick.
- Movitz, Phillip, Grand Rapids, Mich. Toy motor. 2,446,296, Aug. 3.
- Mowat, John F.: *See*—
Elder, Harold G., and Mowat.
- Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Synthesis of substituted pteridins. 2,436,073, Feb. 17.
- Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Alkylpyrimidopyrazines and preparing same. 2,443,078, June 8.
- Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Substituted pyridine compound. 2,457,484, Dec. 28.
- Mowat, John H., and J. H. Boothe, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparing carboxypyrimido pyrazines. 2,436,074, Feb. 17.
- Mower, William W.: *See*—
Collins, Neil R., Mower, and Church.
- Mowery, Dwight F., Jr., Springfield, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N(ethyl mercury) para-toluene sulfonanilide and making same. 2,452,595, Nov. 2.

- Mowery, Ralph N., Yakima, Wash. Cable splice. 2,437,358, Mar. 9.
- Mowry, David T.: *See*—
Seymour, Raymond B., and Mowry.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company. Copolymers of styrene and a beta-cyanoacrylate. 2,437,231, Mar. 2.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Interpolymer of styrene and fumarodinitrile plasticized with an alkyl phthalyl alkyl glycolate. 2,437,966, Mar. 16.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous material containing maleodinitrile. 2,447,810, Aug. 24.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous interpolymers containing 1,2-dicyano-1-chloroethylene. 2,447,811, Aug. 24.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymeric material containing 1,2-dicyano-1-methylethylene. 2,447,812, Aug. 24.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous interpolymer containing 1,2-dicyano-1-phenylethylene. 2,447,813, Aug. 24.
- Mowry, David T., and A. B. Craig, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of a conjugated hydrocarbon diene and an acrylate of a cyclopentadienyl alcohol. 2,454,743, Nov. 23.
- Moyer, Andrew J., Peoria, Ill., assignor to the United States of America, as represented by the Secretary of Agriculture. Production of penicillin. 2,442,141, May 25.
- Moyer, Andrew J., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of penicillin. 2,443,989, June 22.
- Moyer, Edward, Trenton, N. J. Cartridge case venting machine. 2,445,331, July 20.
- Moyer, Elmo E.: *See*—
Livingston, Orrin W., and Moyer.
- Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Locking device. 2,453,154, Nov. 9.
- Moyer, George E., Alturas, Calif. Scrubber for removing dirt from aggregates such as sand and gravel. 2,450,980, Oct. 12.
- Moyer, Howard R., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifuge bucket. 2,436,726, Feb. 24.
- Moyer, Stanley H., San Francisco, Calif., and L. R. Jensen, Salt Lake City, Utah. Flush tank. 2,437,435, Mar. 9.
- Moyer, Wendell W., and R. A. Marmor, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Treating glyceride oils with activated magnesium oxide. 2,454,937, Nov. 30.
- Moylan, Francis J., Scranton, Pa. Dental appliance. 2,451,766, Oct. 19.
- Moyle, Robert J., Innisfail, Queensland, Australia. Stationary cutter with rotary drum feed for cutting sugar cane into seed lengths. 2,456,528, Dec. 14.
- Moyman, John J., Chicago, Ill., assignor of one-half to J. B. Brennan, Euclid, Ohio. Method of and apparatus for roentgenographic inspection. 2,437,472, Mar. 9.
- Mozingo, Ralph: *See*—
Folkers, Karl, Mozingo, and Wolf.
- Peck, Robert L., Harris, Mozingo, Wolf, and Folkers.
- Mozingo, Ralph, Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Hydrogenolysis of thiol esters. 2,457,392, Dec. 28.
- Mozingo, Ralph, Elizabeth, and G. S. Fonken, Paterson, assignors to Merck & Co., Inc., Rahway, N. J. Catalytic hydrogenation of 2,4-diamino-5-nitroso-6-hydroxy pyrimidine. 2,447,523, Aug. 24.
- Mrosco, John A., Forest Hills, Pa., assignor to Rockwell Manufacturing Company. Stuffing box for rotary spindles. 2,434,670, Jan. 20.
- Much, Edward J., Wichita, Kans. Combination lawn hose and water nozzle support. 2,453,248, Nov. 9.
- Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Coupling for potentiometers. 2,434,248, Jan. 13.
- Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Electrical instrument coupling. 2,437,785, Mar. 16.
- Muckerheide, Victor J.: *See*—
Myers, Latimer D., and Muckerheide.
- Mudd, Rolla E., Stronghurst, Ill. Cigarette case with flexible tongue. 2,441,328, May 11.
- Muddiman, Earl R., Wilkinsburg, and W. E. Winterhalter, Mount Lebanon, Pa., assignors to Carnegie-Illinois Steel Corporation. Conductor roll. 2,439,858, Apr. 20.
- Muecke, Edward, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Joining and finishing the seam-margin edges of fabric plies. 2,448,495, Aug. 31.
- Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Unit transmitter and signaling system. 2,441,502, May 11.
- Muehlhauser, Carl R.: *See*—
Pawsey, Lynn H., Umhoefer, and Muehlhauser.
- Mueller, Carl H.: *See*—
Rotter, Lutwin C., Fox, and Mueller.
- Mueller, Carl H., Ferguson, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Liquid dispenser. 2,434,771, Jan. 20.
- Mueller, Charles W., Princeton, N. J., assignor to Radio Corporation of America. Beam deflection tube having parallel focusing and beam defining plates. 2,434,713, Jan. 20.
- Mueller, Charles W., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Company. Spangle slinging machine. 2,436,759, Feb. 24.
- Mueller Co., assignee: *See*—
Cline, Earl E.
Mueller, Frank H.
- Mueller, Emil G., Churchill Borough, Allegheny County, assignor to The American Brake Company, Swissvale, Pa. Clasp brake rigging. 2,446,659, Aug. 10.
- Mueller, Erich O.: *See*—
Atwell, Clarence A., and Mueller.
- Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ventilation of dynamoelectric machines. 2,436,322, Feb. 17.
- Mueller, Erich O., Irwin, and D. L. Gibson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulating mounting for brushholders and the like. 2,451,969, Oct. 19.
- Mueller, Ervin H., Grosse Pointe, Mich. Lighter for gas burners. 2,444,142, June 29.
- Mueller, Ervin H., Grosse Pointe, Mich. Gas burner. 2,450,483, Oct. 5.
- Mueller, Ervin H., Grosse Pointe, Mich. Gas burner. 2,450,680, Oct. 5.
- Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Apparatus for quenching metallic articles. 2,456,984, Dec. 21.
- Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized silver halide emulsions. 2,438,716, Mar. 30.
- Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized silver halide emulsions. 2,440,110, Apr. 20.
- Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized silver halide emulsions. 2,440,206, Apr. 20.
- Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Control of contrast with aromatic diamine color developers. 2,454,001, Nov. 16.
- Mueller, Fritz W. H., and A. Bawley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Thioindoxyl couplers for color photography. 2,449,244, Sept. 14.
- Mueller, George A., Jr., and P. S. Shirley, Hamilton, Ohio, assignors, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Air cooling means for free piston engines. 2,435,233, Feb. 3.
- Mueller, George E., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave antenna. 2,447,768, Aug. 24.
- Mueller, George F., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier. 2,446,237, Aug. 3.
- Mueller, George F., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier plate. 2,446,238, Aug. 3.
- Mueller, George F., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier disk. 2,446,239, Aug. 3.
- Mueller, George P., E. T. Stiller, and S. V. Lieberman, assignors to Wyeth Incorporated, Philadelphia, Pa. Preparing nordihydrogalactaric acid and intermediates. 2,456,443, Dec. 14.
- Mueller, Herman G., Erie, assignor to Ajax Iron Works, Cory, Pa. Steam-engine valve crankshaft bearing support. 2,443,692, June 22.
- Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Heat-treating metallic annulus. 2,445,150, July 13.
- Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Kick stand. 2,455,312, Nov. 30.
- Mueller, Jacques, La Garenne-Columbes, France. Self-closing filling nozzle. 2,434,428, Jan. 13.
- Mueller, John H., North Caldwell, N. J. Hosiery and knitting same. 2,441,835, May 18.
- Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,434,282, Jan. 13.
- Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,434,949, Jan. 27.
- Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,452,482, Oct. 26.
- Mueller, Max B.: *See*—
Teeters, Wilber O., and Mueller.
- Mueller, Max B., Demarest, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of heterocyclic aromatic nitrogen compounds. 2,436,660, Feb. 24.

- Mueller, Max B., Dumont, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of heterocyclic aromatic nitrogen compounds. 2,449,906, Sept. 21.
- Mueller, Paul J., assignee, et al.: *See*—Hart, Carl F.
- Mueller, Paul M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Tool retainer. 2,440,908, May 4.
- Mueller, Paul M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Collet chuck closer. 2,441,644, May 18.
- Mueller, Robert E.: *See*—Lanier, Harold H., and Mueller.
- Mueller, Robert A., assignor to Gray Tool Company, Houston, Tex. Well pressure control equipment. 2,442,548, June 1.
- Mueller, Siegfried E., East Cleveland, G. V. Anderson, Shaker Heights, and A. Dacas, assignors, by mesne assignments, to Jack & Heinz Precision Industries, Inc., Cleveland, Ohio. Adjustable chamfering device. 2,456,140, Dec. 14.
- Mueller, William L., La Grange, and C. R. Skarin, Western Springs, Ill., assignors to The Peterson Oven Company. Loading device for baking ovens. 2,436,052, Feb. 17.
- Mueller, William M., Denver, and John E. Heckethorn, Littleton, assignors to The Gates Rubber Company, Denver, Colo. Variable pitch V-type pulley. 2,447,958, Aug. 24.
- Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Apparatus for coating fiber insulation board. 2,450,681, Oct. 5.
- Muench, Frances M., assignee: *See*—Mott, Carl W.
- Muerle, Richard W.: *See*—Hoffman, Arthur J., and Muerle.
- Muffy, Glenn, Springfield, Ohio. Refrigerating system. 2,448,454, Aug. 31.
- Muffy, Glenn, Springfield, Ohio. Apparatus for causation and prevention of collisions. 2,457,393, Dec. 28.
- Muir, George, Cohasset, and O. L. Schleicher, Boston, Mass. Lobster bait. 2,434,220, Jan. 6.
- Muir, George A., New York, N. Y. Method of and apparatus for setting self-synchronous machines on zero. 2,449,083, Sept. 14.
- Muir, Wellington W., Lockport, N. Y. Internal-combustion engine cooling system. 2,447,592, Aug. 24.
- Mulder, Allen C., assignor to Miller Electric Manufacturing Co., Appleton, Wis. Portable manual electric spot welder. 2,441,438, May 11.
- Mulder, Allen C., assignor to Miller Electric Manufacturing Co., Appleton, Wis. Voltage reducer for arc welding circuits and the like. 2,444,168, June 29.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ion-discharge tube. 2,444,204, June 29.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Current converting tube. 2,452,861, Nov. 2.
- Mulder, Johannes G. W., and A. Bouwers, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a mercury cathode tube for interrupting electric currents of high voltage. 2,445,075, July 13.
- Mulheim, Joseph E.: *See*—Else, Harry D., and Mulheim.
Miner, John D., Jr., and Mulheim.
- Mulhern, Norah: *See*—Fawcett, Eric W. M., Millien, and Mulhern.
- Mulholland, David E., Fort Myers, Fla., assignor to W. S. Mulholland, Reading, Pa. Apparatus for forming grinding wheels. 2,449,407, Sept. 14.
- Mulholland, James R., University Heights, Ohio. Ring and traveler for twister frames. 2,448,150, Aug. 31.
- Mulholland, Walter S., assignee: *See*—Mulholland, David E.
- Mulkey, Sam, Company, assignee: *See*—Mulkey, Stanley A., and Furlong.
- Mulkey, Stanley A., Lee's Summit, and R. Furlong, assignors to Sam Mulkey Company, Kansas City, Mo. Engine mounting for adjustable conveyors. 2,444,521, July 6.
- Mulkey, Stanley A., and G. E. Hatcher, Lee's Summit, assignors to Sam Mulkey Company, Kansas City, Mo. Variable speed drive for elevators. 2,446,660, Aug. 10.
- Mullard Radio Valve Company Limited, assignee: *See*—Richards, Claude L.
- Mullard Radio Valve Company Limited, The, assignee: *See*—Raley, Christopher E. G.
- Mullen, Henry A., assignor to Ampco Metal, Inc., Milwaukee, Wis. Ejector type electrode holder. 2,443,052, June 8.
- Mullen, John E., Cambridge, Mass. Making plastic contact lenses. 2,437,436, Mar. 9.
- Mullen, Milton R., Philadelphia, Pa., assignor of one-quarter to W. S. and J. G. Jackson. Oleo strut for airplane landing gears. 2,451,171, Oct. 12.
- Mullen, William G., Danvers, Mass. Lithographic printing plate. 2,444,205, June 29.
- Muller, A., A.-G. Brugg, assignee: *See*—Maurer, Gottfried.
- Muller, Carl W.: *See*—Crane, Carl J., and Holloman, Muller, and Stout.
Stout, Raymond K., Muller, Crane, and Holloman.
- Muller, Carl W., Osborn, Ohio. Mechanical signal and volume control for miniature radio ranges. 2,438,126, Mar. 23.
- Muller, Carl W., Osborn, Ohio. Automatic simulated two pointer glide path for ground training. 2,448,544, Sept. 7.
- Muller, George J., Philadelphia, assignor to Taylor Fibre Company, Norristown, Pa. Insulating cover for bus bars. 2,439,859, Apr. 20.
- Muller, George J., Philadelphia, assignor to Taylor Fibre Company, Norristown, Pa. Picker stick. 2,440,181, Apr. 20.
- Muller, George J., Philadelphia, assignor to Taylor Fibre Company, Norristown, Pa. Picker. 2,440,182, Apr. 20.
- Muller, George W., Miami Beach, Fla. Rail retaining and spike fastening means. 2,434,579, Jan. 13.
- Muller, George W., Miami Beach, Fla. Rail retaining and spike fastening means. 2,457,592, Dec. 28.
- Muller, Gertrude A., Fort Wayne, Ind., assignor to The Toldey Company, Gertrude A. Muller, Inc. Urine sampler attachment. 2,446,160, July 27.
- Muller, Jacques, La Garenne-Colombes, France. Apparatus for the gauging of liquids. 2,434,425, Jan. 13.
- Muller, Jacques, La Garenne-Colombes, France. Coupling. 2,434,426, Jan. 13.
- Muller, Jacques, La Garenne-Colombes, France. Device for cleaning filters. 2,434,427, Jan. 13.
- Muller, Jacques, La Garenne-Colombes, France. Velocity indicator. 2,445,234, July 13.
- Muller, Jacques, La Garenne-Colombes, France. Insubmersible pipe line. 2,445,628, July 20.
- Muller, Jacques, La Garenne-Colombes, France; vested in the Attorney General of the United States. Fluid handling mechanism. 2,452,256, Oct. 26.
- Muller, Johan A.: *See*—Ernst, Walter, Muller, and Shaw.
- Muller, Johan A., and W. R. Tucker, Dayton, Ohio., assignors to The H-P-M Development Corporation, Wilmington, Del. Mechanically actuated hydraulic control system for pump control. 2,437,115, Mar. 2.
- Müller, John F.: *See*—Fletcher, Harvey, Müller, and Swartzel.
- Muller, Joseph C., Jr.: *See*—Grace, Worthington T., and Muller.
- Muller Machinery Company, Inc., assignee: *See*—Muller, Walter.
- Muller, Otto, Bronx, N. Y. Fluid heater. 2,456,564, Dec. 14.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. Re. 23,031, Aug. 24.
- Muller, Walter, Dunellen, assignor to Muller Machinery Company, Inc., Metuchen, N. J. Tilting bowl concrete mixer. 2,453,583, Nov. 9.
- Mullerheim, Kurt, New York, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Supervisory alarm system for telephone interrupters. 2,442,427, June 1.
- Mullgardt, Alexander S., Altadena, Calif. Variable incidence wing control for aircraft of the rotary wing or airplane sustained type. 2,437,350, Mar. 9.
- Mulligan, Frederick A., Rosser, Manitoba, Canada. Mobile grain hopper. 2,445,886, July 27.
- Mulligan, Maurice J.: *See*—Lovell, Wheeler G., and Mulligan, and Lichtenwalner.
- Mulligan, Wayne A., Utica, and W. Kernan, New Hartford, assignors to Skenandoo Rayon Corporation, Utica, N. Y. Apparatus for treating yarn packages with fluids. 2,439,314, Apr. 6.
- Mullikin, Wilbur J., Washington, D. C. Respirator. 2,456,724, Dec. 21.
- Mullin, Clayton Davis, assignor to Telex Products Company, St. Paul, Minn. Switch structure. 2,440,807, May 4.
- Mullins Manufacturing Corporation, assignee: *See*—Benson, John H.
Clark, Carl L.
Stanitz, Jacques.
Theil, Michael, and Woyna.
- Mulnix, Ersel C., Lake Bluff, Ill. Display package. 2,444,709, July 6.
- Mulnix, Ersel C., Lake Bluff, Ill. Millinery box. 2,454,196, Nov. 16.
- Multiscope, Inc., assignee: *See*—McGovey, Albert C.
- Mulvaney, Kathryn J.: *See*—Koruzo, John E., and Mulvaney.
- Mulvany, Harry A., Berkeley, Calif. Heating element support. 2,449,712, Sept. 21.
- Mumma, Robert E.: *See*—Desch, Joseph R., Gulden, and Mumma.
- Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Calculating device. 2,442,428, June 1.
- Mumma, Robert E., and L. D. Kilheffer, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube impulse generator. 2,447,661, Aug. 24.

- Mumma, Robert E., and F. X. Bucher, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube variable impulse communication system. 2,451,859, Oct. 19.
- Mummert, Arden J., and H. P. Phillips, St. Louis County, Mo., assignors, by mesne assignments, to Perfect Circle Corporation. Piston packing. 2,436,896, Mar. 2.
- Munao, Carmelo C.: *See—*
- Munao, Philip and C. C.
- Munao, Philip and C. C., Brooklyn, N. Y. Artificial flame. 2,448,906, Sept. 7.
- Munchauer, Frederick E., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Machine tool. 2,439,368, Apr. 6.
- Muncie Gear Works, Inc., assignees: *See—*
- Kemler, Emory N.
- Kemler, Emory N., Pease, and Oglesby.
- Smith, Marvin M.
- Mundahl, Thomas J., North Branch, Ontario, Canada. Cordwood pulp tongs. 2,436,053, Feb. 17.
- Munday, John C., Cranford, and R. V. J. McGee, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,446,947, Aug. 10.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Production of primary alkyl halides. 2,447,593, Aug. 24.
- Mungall, Thomas, Sr., assignor of one-half to G. L. Becker, Cleveland, Ohio. Synchronous electric motor. 2,455,134, Nov. 30.
- Munger, Charles G., San Gabriel, Calif., assignor to American Pipe and Construction Co. Making composite plastic lined metal pipe. 2,440,725, May 4.
- Munger, Howard B., and H. Y. Lafferty, Fostoria, Ohio. Method of and machine for packing powder for spark plugs. 2,445,035, July 13.
- Munising Paper Company, assignee: *See—*
- Donaldson, Henry V.
- Munno, Vincent, Hoboken, N. J. Razor honing device. 2,451,860, Oct. 19.
- Munro, George R., Harbor Green, and G. Pelikan, Brooklyn, assignors to Waugh Equipment Company, New York, N. Y. Grate. 2,444,362, June 29.
- Munro, Gordon, Bremerton, Wash. Grinding wheel dresser. 2,435,234, Feb. 3.
- Munschauer, Frederick E., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Machine tool. 2,444,664, July 6.
- Munschauer, Frederick E., Buffalo, and J. P. Wadleck, Kenmore, assignors to Niagara Machine & Tool Works, Buffalo, N. Y. Shear. 2,452,525, Oct. 26.
- Munshower, Clarence F., assignor to Colbar, Inc., Columbus, Ohio. Forced air circulation cooler for bottled beverages. 2,439,261, Apr. 6.
- Munsingwear, Inc., assignee: *See—*
- Donaldson, Eleanor, and Gibney.
- Hendricks, Elsie A.
- Munson, Joseph J., Houma, La. Cane loader. 2,445,076, July 13.
- Munves, Joseph: *See—*
- Kolodner, Irving, and Munves.
- Murata, Hideko, assignor to King Shoyu Company, Honolulu, Territory of Hawaii. Sauce preparation. 2,444,577, July 6.
- Murcek, Slavo J., Duquesne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,438,017, Mar. 16.
- Murcko, Paul J., Bridgeport, Conn. Safety guard for presses. 2,440,111, Apr. 20.
- Murdoch, Alexander, Jr., Philadelphia, Pa., assignor to Radio Corporation of America. Magnetostrictive electroacoustic transducer. 2,451,968, Oct. 19.
- Murdock, Harold E., Oneida, Ill. Supporting rack for milk strainers. 2,445,859, July 27.
- Murdock, Iris M., executrix and assignee: *See—*
- Murdock, James A.
- Murdock, James A., deceased, Chicago, Ill.; I. M. Murdock, executrix, assignor to I. M. Murdock, individually. Bottle stopper. 2,446,661, Aug. 10.
- Murdock, Wayne V., Los Angeles, Calif. Asphalt pump intake. 2,446,384, Aug. 3.
- Murer, Harvey K., Summit, and W. A. Mitchell, Cedar Grove, N. J., assignors to General Foods Corporation, New York, N. Y. Production of starch from cereal grains. 2,437,036, Mar. 2.
- Murex Limited, Inc., assignee: *See—*
- Miller, George L.
- Murino, Matthew, New York, N. Y. Fluorescent lighting fixture. 2,452,137, Oct. 26.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for safety razor blades. 2,446,715, Aug. 10.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade handling device. 2,454,197, Nov. 16.
- Murphree, Eger V.: *See—*
- Campbell, Donald L., Martin, Murphree, and Tyson.
- Murphree, Eger V.: *See—*
- Russell, Robert P., Murphree, and Hemminger.
- Tyson, Charles W., Fischer, and Murphree.
- Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Preparation of chlorine. 2,436,870, Mar. 2.
- Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Production of butadiene. 2,451,040, Oct. 12.
- Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Catalytic cracking and reforming the production of aviation gasoline. 2,451,041, Oct. 12.
- Murphy Automatic Pinsetter Co., Inc., assignee: *See—*
- Murphy, John F.
- Murphy, Clyde G., Metuchen, and J. P. Sermattel, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and a stripping agent. 2,455,855, Dec. 7.
- Murphy, Clyde G., Metuchen, and J. P. Sermattel, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Strippable coating composition comprising a polychloroprene and carbon black. 2,455,856, Dec. 7.
- Murphy, Daniel, New Castle, Pa. Seal for centrifugal pumps. 2,453,249, Nov. 9.
- Murphy, Everett E., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making platform shoes. 2,439,900, Apr. 20.
- Murphy, Harold P., Ridley Park, Pa., assignor to The Electric Storage Battery Company. Gas diffusion device for storage batteries. 2,452,066, Oct. 26.
- Murphy, Howard, assignee: *See—*
- Rausenberger, Herman G.
- Murphy, James F., Philadelphia, Pa. Punch. 2,444,946, July 13.
- Murphy, John E., Denver, Colo. Bag holder. 2,448,821, Sept. 7.
- Murphy, John F., Middleboro, assignor to Murphy Automatic Pinsetter Co., Inc., Cambridge, Mass. Automatic pin setting machine. 2,450,249, Sept. 28.
- Murphy, John P., Jr., Chicago, Ill. Lading brace for freight cars. 2,437,832, Mar. 16.
- Murphy, Nicholas V., Claymont, Del. Thermosafety control for railroad cars. 2,436,727, Feb. 24.
- Murphy, Philip H., Helena, Mont. Land vehicle, adapted for fire suppression. 2,449,311, Sept. 14.
- Murphy, Ralph E., Beverly Hills, Calif. Shadow box container for merchandise. 2,455,795, Dec. 7.
- Murphy, Ralph T. J., Crestline, Ohio. Stocking and leg protector. 2,442,507, June 1.
- Murphy, Thomas J., Stamford, Conn. Electric reciprocating motor. 2,434,671, Jan. 20.
- Murray, Alan E., Wilmington, Del. Laminated pile-fabric shoe sole. 2,448,455, Aug. 31.
- Murray, Arthur G., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Preparing mepacrine dihydrochloride dihydrate. 2,439,746, Apr. 13.
- Murray, Charles W., Glenside, Pa., assignor to the United States of America, as represented by the Secretary of Agriculture. Insecticidal fumigant composition with solid rubber carrier particles. 2,440,781, May 4.
- Murray Company, The, assignee: *See—*
- Day, Dewey D.
- Graebe, Herman C.
- Murray Corporation of America, The, assignee: *See—*
- Glazier, Harold P.
- Haberstump, Alfred H.
- Polle, Henry D.
- Murray, D. J., Manufacturing Co., assignee: *See—*
- Lemke, Lawrence H.
- Rosmait, John A.
- Murray, Earl F., and C. E. Hermann, Minneapolis, Minn. Fish stringer. 2,437,331, Mar. 9.
- Murray, Forrest F., Brockton, assignor to F. F. and H. R. Murray, a co-partnership, doing business as Murray Manufacturing Co., Avon, Mass. Edge trimming machine. 2,450,842, Oct. 5.
- Murray, George W.: *See—*
- Roehner, Theodore G., and Murray.
- Murray, George W., Pleasantville, and C. D. Thayer, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Block greases. 2,449,312, Sept. 14.
- Murray, Harry R., assignee: *See—*
- Murray, Forrest F. and H. R.
- Murray, Joseph A., Bethesda, Md., assignor to National Blank Book Company, Holyoke, Mass. Three-prong loose-leaf binder. 2,453,807, Nov. 16.
- Murray, Joseph M., assignee: *See—*
- Perez, Stephen J.
- Murray Manufacturing Co.: *See—*
- Murray, Forrest F.
- Murray, Maxton F.: *See—*
- Livak, John E., and Murray.
- Murray-Ohio Manufacturing Company, The, assignee: *See—*
- Kraefft, Herman L., and Walters.
- Murray, Peter R., Dayton, Ohio. Remote control system for aircraft landing gear and landing flaps. 2,449,084, Sept. 14.
- Murray, Thomas F., Jr., and G. F. Sharrard, assignors to Eastman Kodak Company, Rochester, N. Y. Heat-sealing adhesive tape. 2,448,638, Sept. 7.
- Muse, William P., Odin, Ill. Extensible pipe union. 2,448,232, Aug. 31.

- Muse, Wilson B.: *See*—
Metzger, Leopold H., and Muse.
Metzger, Leopold H., Muse and Pease.
Musmeche, Vincent M., assignee: *See*—
Meadows, Marshall F.
Musher Foundation, Incorporated, assignee: *See*—
Musher, Sidney.
Zenezes, Alexander M.
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Cosmetic preparations. 2,426,818, Mar. 2.
Musico, Winston T.: *See*—
Abercrombie, David J., Brettingham-Moore, and Musico.
Muskat, Irving E., Glenside, Pa., assignor to Vulcan Detinning Company, Sewaren, N. J. Treating tin-containing materials. 2,434,283, Jan. 13.
Muskat, Irving E., Glenside, Pa., assignor to Vulcan Detinning Company, Sewaren, N. J. Treating tin-containing materials. 2,434,284, Jan. 13.
Muskat, Morris: *See*—
Coggeshall, Norman D., and Muskat.
Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical exploration by microwaves. 2,455,940, Dec. 14.
Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Geophysical prospecting in boreholes by microwaves. 2,455,941, Dec. 14.
Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Method of and apparatus for measuring the electrical properties and surface characteristics of materials. 2,456,012, Dec. 14.
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. High efficiency lubricants. 2,439,819, Apr. 20.
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Compound lubricants. 2,439,820, Apr. 20.
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant preparation. 2,439,821, Apr. 20.
Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Preparing composition of matter suitable for use as a lubricant and as an addition agent to lubricants. 2,441,587, May 18.
Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricant. 2,444,947, July 13.
Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricant. 2,444,948, July 13.
Musser, Clarence W., Philadelphia, Pa., assignor to The United States of America, as represented by the Secretary of War. Recoilless firearm. 2,444,949, July 13.
Musser, Clarence W., Philadelphia, Pa. Apparatus for aligning preengraved projectiles in rifled firearms. 2,456,011, Dec. 14.
Musser, David M., Orange, N. J., assignor to Pacific Mills, Boston, Mas. Cellulose ethers of 3,4 epoxy 1-butene and their oxidation products. 2,455,083, Nov. 30.
Musso, Leo P., Ecorse, assignor of forty-nine percent to C. A. Kamper, Lincoln Park, Mich. Spool support. 2,445,534, July 20.
Muter Company, The, assignee: *See*—
Rollefson, Karl E.
Muto, Peter A.: *See*—
Hector, Luther G., Baker, and Muto.
Mutual Boiler Insurance Company, assignee: *See*—
Begley, John J.
Myer, Bert W., Jr., assignee: *See*—
Myer, Bert W., Sr.
Myer, Bert W., Sr., assignor of one-half to B. W. Myer, Jr., Manitou Springs, Colo. Adjustable watch band. 2,455,796, Dec. 7.
Myers, Barton E., Rome, assignor of one-half to W. T. Kozlowski, Clark Mills, N. Y. Piston ring ridge remover. 2,444,614, July 6.
Myers, Cecil H., and H. A., Chicago, Ill. Hydraulic clutch and variable-speed drive. 2,451,638, Oct. 19.
Myers, Charles H., and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Helmet. 2,455,797, Dec. 7.
Myers, Claude G.: *See*—
Hansford, Rowland C., Rasmussen, Myers, and Sachanen.
Myers, Claude G., Bryn Mawr, Pa., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Isomerization of alicyclic hydrocarbons. 2,435,691, Feb. 10.
Myers, David I.: *See*—
Weisblatt, David I., and Myers.
Myers, David T., Charlotte, N. C. Electrical game board. 2,442,014, May 25.
Myers, Donald R.: *See*—
Weisblatt, David I., Myers, and Wise.
Myers, E. A., & Sons, assignee: *See*—
Lybarger, Samuel F.
Myers, F. E., & Bro., Company, assignee: *See*—
Spreng, Warren M.
Myers, Frederick, Charlestown, Mass. Electrotherapeutic apparatus. 2,447,269, Aug. 17.
Myers, Harold C., assignor to Butler Manufacturing Company, Kansas City, Mo. Internal mandrel. 2,453,531, Nov. 9.
Myers, Henry C.: *See*—
Pakala, William E., and Myers.
Myers, Hubert A.: *See*—
Myers, Cecil H., and H. A.
Myers, John H., Tornillo, Tex. Rake. 2,451,402, Oct. 12.
Myers, Joseph C., Arlington, Va. Aircraft with blast or like tube and closure therefor. 2,445,235, July 13.
Myers, Joseph W.: *See*—
Walder, Emil, and Myers.
Myers, Latimer D.: *See*—
Fitzpatrick, J. D., and Myers.
Myers, Latimer D., Cincinnati, and V. J. Muckerheide, Silverton, assignors to Emery Industries, Inc., Cincinnati, Ohio. Dibasic acid drying oils. 2,440,667, Apr. 27.
Myers, Latimer D., Cincinnati, and Victor J. Muckerheide, Silverton, assignors to Emery Industries, Inc., Cincinnati, Ohio. Cutting oil base. 2,443,833, June 22.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Ribbon guide for typewriters or like machines. 2,442,245, May 25.
Myers, Lewis C., Freeport, and W. Graepel, Brooklyn, assignors to Royal Typewriter Company, Inc., New York, N. Y. Ribbon guide for typewriters or like machines. 2,442,244, May 25.
Myers, Louis, Rockford, Ill. Juice extractor. 2,454,256, Nov. 16.
Myers, Mahlon C., Takoma Park, Md. Game projectile. 2,436,174, Feb. 17.
Myers, Richard A., assignor to Warren Plastics Corporation, Warren, Pa. Molding machine. 2,440,376, Apr. 27.
Myers, Robert P., and M. L. Speck, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Method of producing corn steep nutrient. 2,448,680, Sept. 7.
Myers, Rufus A., Chicago, Ill. Tank cap lock. 2,436,016, Feb. 17.
Myers, Stuart J., assignor to Warren Plastics Corporation, Warren, Pa. Molding machine. 2,440,377, Apr. 27.
Myers, Walter, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop mechanism for sewing machines. 2,454,710, Nov. 23.
Myers, William A., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Pressure-proof reproducer. 2,434,469, Jan. 13.
Myers, William A., and W. A. Hall, Springfield, assignors to The Atlantic Refining Company, Philadelphia, Pa. Fluid catalyst regenerator system. 2,451,573, Oct. 19.
Myers, Woolmer W., Taunton, assignor to Wolverine Equipment Co., Cambridge, Mass. Slasher hood. 2,443,924, June 22.
Myerson, Simon, Brookline, Mass. Apparatus for extrusion molding of plastic articles. 2,456,141, Dec. 14.
Mvklestad, Nils O., Pasadena, Calif. Hydraulic brake. 2,453,808, Nov. 16.
Mynall, Dennis J., Rugby, England, assignor to General Electric Company, Oscillator. 2,442,612, June 1.
Myres, William J., El Paso, Tex. Natural draw holster. 2,443,397, June 15.
Myrick, Travis M., Hattiesburg, Miss. Open pan evaporator. 2,435,153, Jan. 27.
Myskowski, Edwin T., and H. F. Taylor, Washington, D. C. Screen for casting risers. 2,451,505, Oct. 19.
N. V. Optische Industrie "De Oude Delft," assignee: *See*—
Bouwers, Albert.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Compressor. 2,449,408, Sept. 14.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,456,529, Dec. 14.
Naamlooze Vennootschap Kunstzijdespinnerij Nyma: *See*—
Blaas, Theeuwus A. H.
Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Möller, Fredrik A., and Lolkema.
Nabors, William C., Mansfield, La. Tandem axle assembly. 2,445,686, July 20.
Nabstedt, Arthur T., Hamden, assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Axially engaging friction clutch. 2,439,611, Apr. 13.
Nachod, Frederick C., Haddonfield, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Desulfurization of hydrocarbons. 2,442,982, June 8.
Nachtman, John S., Youngstown, Ohio. Contact roll construction. 2,446,548, Aug. 10.
Nachtman, John S., Youngstown, Ohio. Terne electroplating bath. 2,446,716, Aug. 10.
Nachtrieb, Charles G., Sreator, Ill. Swinging window construction. 2,447,421, Aug. 17.
Nachtrieb, Norman D.: *See*—
Martin, Don S., Jr., Nachtrieb, and Seegmiller.
Naco Manufacturing Company, assignee: *See*—
Root, Ralph R.

- Nadeau, Ross, East Orange, N. J. Display card filling apparatus. 2,433,862, Jan. 6.
- Nader Engineering Co., assignee: *See*—
Roys, Carl S.
Nader, Joseph.
- Nader Engineering Company, assignee: *See*—
Nader, Joseph.
- Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Co., Chicago, Ill. Dynamo-electric machine. 2,435,692, Feb. 10.
- Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Company, Chicago, Ill. Condenser and brush mounting for dynamoelectric machines. 2,450,809, Oct. 5.
- Nader, Joseph, and J. F. Mailander, Glen Ellyn, Ill. Troque and speed responsive mechanism. 2,455,435, Dec. 7.
- Nadolsky, Isaac: *See*—
Stevenson, Ralph, and Nadolsky.
- Nadon, Eugene O., assignor to Vermont Hosiery and Machinery Co., Northfield, Vt. Hosiery knitting machine. 2,457,782, Dec. 28.
- Naef, Alfred H., Chatham, assignor to The Daven Company, Newark, N. J. Ground connecting device. 2,449,313, Sept. 13.
- Nagel, George E., Columbus, Ohio. Method and apparatus for producing concrete beams. 2,440,754, May 4.
- Nagel, Gerhard R., and M. E. Johnson, assignors to Distillation Products, Inc., Rochester, N. Y. Ionization gauge circuits. 2,455,437, Dec. 7.
- Nageotte, Neil S., Lansing, Mich. Equipment for attaching price tags to greeting cards. 2,449,614, Sept. 21.
- Naghski, Joseph, Philadelphia, Pa., J. W. White, Jr., Washington, D. C., and S. R. Hoover, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Recovery of rubber in plants by fermenting with clostridium. 2,440,554, Apr. 27.
- Nagy, Daniel E.: *See*—
Redmon, Byron C., and Nagy.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing guanamines. 2,446,980, Aug. 10.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1-aryl,5-alkyl, biguanides. 2,455,896, Dec. 7.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1,5-diaryl-biguanides from aromatic amines and dicyanimide. 2,455,897, Dec. 7.
- Nagy, Daniel E., and B. C. Redmon, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of alkali metal salts of dicyanimide. 2,455,895, Dec. 7.
- Nagy, Michael J.: *See*—
Northrop, John K., and Nagy.
- Nagy, Milo J., Richmond Hill, and L. Belz, Brooklyn, N. Y. Device for resurfacing grinding wheels. 2,451,235, Oct. 12.
- Naidor, George, Gouldsboro, Pa. Open heel shoe having a heel covering and making same. 2,439,217, Apr. 6.
- Naidor, George, Gouldsboro, Pa. Fur-covered shoe vamp. 2,455,436, Dec. 7.
- Nakken, Theodore H., New York, N. Y., assignor to The Soundcriber Corporation, New Haven, Conn. Rapid start and stop clutch mechanism for phonographs. 2,441,836, May 18.
- Nalbach, John R., Oak Park, and W. F. Gresham, Chicago, Ill. Power operated mechanism. 2,439,262, Apr. 6.
- Nalbandian, Peter, assignor to Improved Carloading Company, Fresno, Calif., a copartnership composed of Peter Nalbandian and D. D. Byrnes. Method of and apparatus for precooled loaded cars. 2,442,932, June 8.
- Nalick, Stanley, Los Angeles, Calif. Spinner. 2,438,817, Mar. 30.
- Namenyi-Katz, Laszlo, assignor to English Numbering Machines Limited, London, England. Device for automatically inserting marking strips in piles of sheets. 2,452,138, Oct. 26.
- Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Apparatus for loading freight or the like. 2,454,473, Nov. 23.
- Nancarrow, Harry L., Philadelphia, and A. R. Wilson, Lansdowne, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Method of and device for retracking rail vehicles. 2,451,042, Oct. 12.
- Nance, Wilbur O., Ardmore, Okla. Paintbrush holder. 2,454,474, Nov. 23.
- Napco Chemical Company, assignee: *See*—
Richter, Richard, and Miskel.
- Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W.
Ramsay, Frank R. F.
Snell, Leonard S.
- Napier, Henry, assignor to F. E. Schundler & Co., Inc., Joliet, Ill. Lightweight material and its preparation. 2,456,643, Dec. 21.
- Napier, Melvin J., assignor to Miami Boiler & Machine Company, Inc., Akron, Ohio. Cooking apparatus. 2,439,780, Apr. 13.
- Napoli, John, Monterey, Calif. Propulsion means for boats. 2,456,834, Dec. 21.
- Napton, John R., Marshall, Mo. Hinged heel shoe. 2,450,250, Sept. 28.
- Narbutovskih, Paul, Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical induction apparatus. 2,445,450, July 20.
- Narcus, Harold, Worcester, Mass. Metalization on non-conductors. 2,454,610, Nov. 23.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starting mechanism. 2,437,400, Mar. 9.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter. 2,446,297, Aug. 3.
- Nardone, Romeo M. Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Scavenging means for aircraft engines. 2,447,912, Aug. 24.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator and control assembly for retractable landing gears. 2,451,109, Oct. 12.
- Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Milburn, N. J. Combined starter and generator. 2,451,767, Oct. 19.
- Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Fluid pressure servomotor. 2,456,211, Dec. 14.
- Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Drive. 2,435,050, Jan. 27.
- Narki, Bettie, Cleveland, Ohio. Thread case. 2,437,888, Mar. 16.
- Narracott, Eric S.: *See*—
Fawcett, Eric W. M., and Narracott.
- Narrell, Jessie V., assignee: *See*—
Rice, Chester J., and Narrell.
- Nash, Carl B., assignor to Divco Corporation, Detroit, Mich. Fuel feeding apparatus for internal-combustion engines. 2,448,043, Aug. 31.
- Nash, Cleve C., Jr., Tulsa, Okla., assignor to Standard Oil Development Company. Controlling phase relationships in an electronic circuit. 2,451,861, Oct. 19.
- Nash Engineering Company, assignee: *See*—
Adams, Harold E.
- Nash, James, assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Parallel ruler and making the same. 2,439,346, Apr. 6.
- Nash, James, assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Edge for T-square and the like. 2,454,938, Nov. 30.
- Nash, John C., Providence, R. I. Tenter machine clip. 2,437,967, Mar. 16.
- Nash, John J., assignor to American Fixture & Manufacturing Co., St. Louis, Mo. Refectory table. 2,456,835, Dec. 21.
- Nash-Kelvinator Corporation, assignee: *See*—
Kishline, Floyd F.
Philipp, Lawrence A.
Wahlberg, Nils E., and Hedstrom.
Wahlberg, Nils E., and Kishline.
- Nashua Gummed and Coated Paper Company, assignee: *See*—
Gautier, Trevor R., and Hoitt.
- Nasmith, John William, Henton Mersey, Manchester, England. Combing machine for textile fibres. 2,440,870, May 4.
- Nass, Lawrence, assignor to J. Briskie, New York, N. Y. Adjustable device. 2,440,017, Apr. 20.
- Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. Cover on take-up roll for looms. 2,438,296, Mar. 23.
- Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. Connector for belt. 2,449,950, Sept. 21.
- Naster, Bert K., Chicago, Ill. Electrical socket. 2,436,661, Feb. 24.
- Natchuk, John, East Islip, N. Y. Miniature tennis game. 2,444,999, July 13.
- Nathan, Carl: *See*—
Leggett, Guy O., and Nathan.
- Nathan Manufacturing Company, assignee: *See*—
Angel, Charles M., and Culbertson.
Folke, Bengt E.
Shepard, Ralph H.
Winther, Howard.
- Nathan, Tracy D., Cuyahoga Falls, assignor of one-third to T. S. Rowe, Kent, and one-third to J. M. W. Chamberlain, Akron, Ohio. Cushioning device. 2,447,712, Aug. 24.
- Nathanson, Alfred A., assignee: *See*—
Mason, George T.
- Nathanson, Max, Montreal, Quebec, Canada. Fluorescent tube lighting system. 2,436,399, Feb. 24.
- Nathanson, Max, Montreal, Quebec, Canada. Fluorescent tube lighting system. 2,436,400, Feb. 24.
- Nathanson, Max, Montreal, Quebec, Canada. Ballast unit for fluorescent lamp lighting apparatus. 2,444,522, July 6.
- National Acme Company, The, assignee: *See*—
Brown, Harry W.
Jeffrey, Max L.
Moss, Jacob E.
Rundquist, Bennett C.
- National Agri. Company, Inc., assignee: *See*—
Hale, William J.
- National Aluminate Corporation, assignee: *See*—
Kell, Robert W.
Ryznar, John W.

- National Battery Company, assignee: *See—*
Sargent, William C.
- National Biscuit Company, assignee: *See—*
Moore, George A.
- National Blank Book Company, assignee: *See—*
Murray, Joseph A.
Schade, John.
Schade, Frank S.
Schade, John and F. S.
- National Brass Company, assignee: *See—*
Lickteig, Albert F.
Quigley, Herbert, and Lickteig.
Quigley, Herbert, and Ter Meer.
- National Bread Wrapping Machine Co., assignee: *See—*
Hoppe, William.
- National Brooch & Machine Company, assignee: *See—*
Praeg, Walter S.
Mentley, Max B.
- National Bronze and Aluminum Foundry, The, assignee: *See—*
Mosley, Alfred J.
- National Carbon Company, Inc., assignee: *See—*
Ramadanoff, Dimitar.
Carmichael, Robert, and Seidler.
Williford, Edward A.
Winter, Lester L.
- National Cash Register Company, The, assignee: *See—*
Adams, Clyde S.
Braner, Henry J.
Carey, Edward J., and Geers.
Carter, Elmer C., and Dudis.
Christian, Raymond A.
Christian, Raymond A., Ganger, and Paden.
Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sadgebury.
Desch, Joseph R., Gulden, and Mumma.
Goodbar, Mayo A., and Cocup.
Lambert, Harry L.
Moellenbeck, Arthur J., and Stauffer.
Mumma, Robert E.
Mumma, Robert E., and Bucher.
Mumma, Robert E., and Kilheffer.
Randall, Harold O., and Geers, and More.
Thompson, Merrill M., and Moline.
- National Clay Pipe Research Corporation, The, assignee: *See—*
Montgomery, Earle T.
- National Company, Inc., assignee: *See—*
Larkin, William J.
- National Cylinder Gas Company, assignee: *See—*
Candy, Albert M.
Mott, Chester, Chouinard, and Harding.
- National Dairy Research Laboratories, Inc., assignee: *See—*
Myers, Robert P., and Speck.
Weisberg, Samuel M., and Stimpson.
- National Development Company, assignee: *See—*
Liberty, George W.
- National Distillers Products Corporation, assignee: *See—*
Pattee, Ellis C.
- National Drug Company, The, assignee: *See—*
Avakian, Souren.
Martin, Gustav J., and Avakian.
Souren, Avakian, and Martin.
Urist, Harold, and Martin.
- National Electric Instrument Company, Inc., assignee: *See—*
Arnesen, Walter A., Hertweck, and Doty.
- National Electric Products Corporation, assignee: *See—*
Clayton, Martin M.
Kennedy, Frank J.
- National Equipment Co., assignee: *See—*
Perkins, George S.
- National Fitch Corporation, assignee: *See—*
Norbom, Ragnar A.
- National Folding Box Company, Incorporated, assignee: *See—*
Tennent, Charles B., Sr.
Williamson, M. I.
- National Greenhouse Co., assignee: *See—*
McKee, Philip L.
- National Lead Company, assignee: *See—*
Meister, Walter F.
Smith, Carleton H.
Truner, Joseph L., and Plechner.
Worrall, George H.
- National Lock Co., assignee: *See—*
Burke, William O.
North, Edwin W., and Stone.
Stone, Roy A.
- National Malleable and Steel Castings Company, assignee: *See—*
Metzger, William J.
Spence, Hubert L.
- National Marking Machine Company, The, assignee: *See—*
Keuper, William J.
- National Motor Bearing Co., Inc., assignee: *See—*
Helfrecht, Fred A.
- National Organ Supply Company, assignee: *See—*
Cloyd, Harold S.
- National Pneumatic Company, assignee: *See—*
Parvin, Edward G.
- National Radiator Company, The, assignee: *See—*
O'Sullivan, Frederick J., and du Pont.
- National Rubber Machinery Company, assignee: *See—*
De Ghetto, Anselm.
Heston, Allen L.
- National Secondary Recovery Corporation, assignee: *See—*
Steffen, Ralph M.
- National Sewing Machine Company, assignee: *See—*
Best, Clarence S.
- National Sherardizing and Machine Company, assignee: *See—*
Johnson, John E.
- National Simplex-Bludworth, Inc., assignee: *See—*
Bludworth, Timothy F.
- National Slug Rejectors, Inc., assignee: *See—*
Wallin, Fred E.
- National Stamping Company, assignee: *See—*
Nofz, Harold E.
- National Standard Company, assignee: *See—*
Adler, Orville E.
Frazier, Larry C.
Pierce, Robert C.
- National Steam Conservation Company, The, assignee: *See—*
Friedrich, Frank.
- National Steel Corporation, assignee: *See—*
Gilchrist, Lawrence B.
Rees, William J.
Wilson, Abram B.
- National Sugar Refining Company, The, assignee: *See—*
Lang, Louis.
- National Supply Company, assignee: *See—*
Hanners, Harvey W.
Shepherd, Harold F.
- National Technical Laboratories, assignee: *See—*
Beckman, Arnold O.
- National Tube Company, assignee: *See—*
Hamilton, Keith C.
Kennedy, Truman H.
Kubic, Raymond R., and Nylander.
Price, Edmund G.
Scharff, Fritz M.
- National Union Radio Corporation, assignee: *See—*
Allen, Howard B., Jr.
Hector, Luther G., Baker, and Muto.
Schneider, Gerhard G.
Schneider, Gerhard G., and Donohue.
- National Urn Bag Co., Inc., assignee: *See—*
Hirschhorn, Louis.
Irmischer, Hans O.
- Naucleur, Johan O., Stocksund, Sweden. Destroying froth. 2,446,717, Aug. 10.
- Naugle, John J., New York, and L. Wickenden, Manhasset, assignors of two-fifths to Andres Bay Trading Corporation, and two-fifths to Cuban Dominican Sales Corporation, New York, N. Y. Treatment of sugar-containing liquids. 2,441,281, May 11.
- Naumburg, Robert E., West Englewood, N. J., assignor to Jonas & Naumburg Corporation, New York, N. Y. Carroting and drying of fur-bearing animal skins. 2,438,226, Mar. 23.
- Naumburg, Robert E., West Englewood, N. J., assignor to Jonas & Naumburg Corporation, New York, N. Y. Apparatus for treating fur-bearing animal skins. 2,438,227, Mar. 23.
- Nau-Touron, Albert, Le Vesinet, assignor to Societe a responsabilite limitee Fonderie de Precision, Nanterre, France. Revolving thread guiding flier. 2,451,352, Oct. 12.
- Navy, United States of America, as represented by the Secretary of, assignee: *See—*
Anderson, Milton B.
Baker, Hayward E., and Zisman.
Barth, Theodore H.
Bennett, Harold F.
Brode, Robert B.
Coffin, Francis P., Jr., Bothwell, and Crout.
Dilks, Uselma C. S.
Downs, George W., Jr.
Ensinger, Willis B.
Gillett, Glenn D.
Grace, William J.
Halsey, Arthur S.
Hare, Donald G. C.
Hayes, Harvey C.
Hebb, Malcolm H.
Hickman, Clarence N.
Hisserich, Charles A.
Hite, George, and Whitham.
Jordan, James D.
Lawson, Herbert E.
Lawson, James L.
Long, John H., and Lupish.
Martin, Don S., Jr., Nachtrieb, and Seegmiller.
McNall, John W.
Myers, William A.
Nichols, Harry J.
Pound, Robert V.
Salisbury, Winfield W.
Schmitt, Otto H.
Schuck, Oscar H.
Shoemaker, David P.
Speck, John C., Jr.
Street, Jabez C.
Swennes, Benjamin A.

- Navy, United States of America, as represented by the Secretary of, assignee: *See*—Continued.
 Swenson, Carl E.
 Tobias, Cornelius A.
 Watt, Bob E.
 Wilson, Finley B.
 Zisman, William A., and Baker.
- Naylor, Beatrice: *See*—
 Armstrong, George J., Naylor, and Dunning.
- Naymik, Joseph: *See*—
 Jennings, Lawrence D., and Naymik.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Wiring device. 2,446,240, Aug. 3.
- Naythons, William B., administrator: *See*—
 Witlin, Isadore B.
- Nazareth Mills, Incorporated, assignee: *See*—
 Neel, Albert G.
- Neal, Arthur M., Wilmington, and J. J. Verbanc, Tuxedo Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive cement compositions. 2,436,222, Feb. 17.
- Neal, Ernest C., assignor, by mesne assignments, to himself and E. Brandell, Chicago, Ill. Automatic firearm. 2,436,175, Feb. 17.
- Neal, Ernest C., Chicago, Ill., assignor of one-half to G. H. Neal and one-half to C. Jacobsen, Portland, Oreg. Gun-sight. 2,444,844, July 6.
- Neal, George H., assignee, et al.: *See*—
 Neal, Ernest C.
- Neal, Mary L., Baton Rouge, La. Baby garment. 2,451,300, Oct. 12.
- Neal, William E., Houston, Tex. Gun perforator. 2,436,118, Feb. 17.
- Neary, Thomas C.: *See*—
 Sidnam, Alan N., Bolté, and Neary.
- Neaves, Ernest J., Boston, Mass. Trouser hanger. 2,456,014, Dec. 14.
- Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Airplane control surface. 2,443,323, June 15.
- Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Shockproof aerial delivery contrivance. 2,452,783, Nov. 2.
- Necker, George J., U. S. Navy. Valve spring compressor. 2,443,193, June 15.
- Nederlandsche Organisatie voor toegepast-natuurwetenschappelijk onderzoek ten behoeve van de Voeding: *See*—
 Van der Laan, Pancras J.
- Neef, Frederick E., Jr., U. S. Army, Hartsdale, N. Y. Portable self-contained drum cleaner. 2,454,289, Nov. 23.
- Neel, Albert G., assignor to Nazareth Mills, Incorporated, Nazareth, Pa. Garment and making same. 2,444,404, June 29.
- Neel, Albert G., assignor to Nazareth Mills, Incorporated, Nazareth, Pa. Garment and making the same. 2,444,405, June 29.
- Neel, Carr B., Palo Alto, Calif. Aircraft carrier. 2,440,345, Apr. 27.
- Neely, Charles A., deceased, Seattle, assignor of forty per cent to H. J. Sweeney, Everson, Wash.; S. L. Langley, administratrix of said C. A. Neely. Deep well pump. 2,455,084, Nov. 30.
- Neely, David R., Ellijay, Ga. Spinning frame control. 2,445,687, July 20.
- Neely, William E., assignee: *See*—
 Miller, Ellen W.
- Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic sequence timer. 2,443,398, June 15.
- Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electric gauging head. 2,452,862, Nov. 2.
- Neffen, Karl F.: *See*—
 Peters, Chauncey G., Harris, Emerson, Cooter, and Neffen.
- Nefske, Frank J.: *See*—
 Putnam, Earl R., and Nefske.
- Neft, Isadore E., Los Angeles, Calif. Pocket cigarette lighter. 2,442,508, June 1.
- Nehab, Kurt, Stretford, England, now by change of name, K. E. Ney. Air-conditioning system. 2,445,121, July 13.
- Neher, A. G. (Neher S. A.), assignee: *See*—
 Faucherre, Henry G.
- Neher, Eldon P., North Manchester, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Shock absorbing device. 2,437,206, Mar. 2.
- Neher, Eldon P., North Manchester, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Resilient mounting. 2,457,706, Dec. 28.
- Neher, Harry T.: *See*—
 Croxall, Willard J., and Neher.
 Glavis, Frank J., and Neher.
- Neher, Harry T., Bristol, and F. J. Glavis, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Hydraulic fluids. 2,435,950, Feb. 10.
- Neher, Harry T., Bristol, and F. J. Glavis, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Suspension polymerization. 2,440,808, May 4.
- Neher, Harry T., Bristol, and L. V. N. Bauer, assignors to Röhm & Haas Company, Philadelphia, Pa. Laminated plastic material. 2,444,059, June 29.
- Neighbour, Leonard B., Moline, and F. A. Thomann, East Moline, assignors to Deere & Company, Moline, Ill. Vehicle body side wall bracing construction. 2,443,265, June 15.
- Nehls, Arthur G. C., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,435,943, Feb. 10.
- Nehrke, Charles, New York, N. Y. Lipstick container. 2,453,250, Nov. 9.
- Neldorf, Samuel W., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Method of forming glass beads. 2,436,819, Mar. 2.
- Neijstrom, Kenneth, Harrisburg, Pa., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,454,829, Nov. 30.
- Neiley, Stephen B.: *See*—
 Ross, William C., and Neiley.
- Neiman, Robert, assignor to E. A. Steinbock, Louisville, Ky. Producing commercial castings. 2,456,424, Dec. 14.
- Neirynck, Roger, Mont-sur-Marchienne, assignor to Societe anonyme dite: Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Mercury-vapor electric converter. 2,455,602, Dec. 7.
- Neiser, Joseph, Miami, Fla. Electric heater. 2,438,861, Mar. 30.
- Nell, Burnice W., assignee, et al.: *See*—
 Nell, Orville.
- Nell, Johnnie E., assignee, et al.: *See*—
 Nell, Orville.
- Nell, Orville, assignor of one-fourth to J. E. Nell, Bridgeport, and one-fourth to B. W. Nell, Mount Carmel, Ill. Railway switch operating and locking means. 2,439,020, Apr. 6.
- Nellson, Stanley, New York, N. Y. Sanitary bottle spigot. 2,440,112, Apr. 20.
- Nelpin Manufacturing Company, assignee: *See*—
 Holohan, Bartholomew.
- Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Interlocking relay. 2,446,299, Aug. 3.
- Nelson, Adelbert M., deceased, by M. Witt, executrix, Milwaukee, Wis. Collapsible trailer. 2,456,013, Dec. 14.
- Nelson, Alex A., Pleasant Ridge, Mich. Soft cushion lining for artificial dentures and process. 2,446,298, Aug. 3.
- Nelson, Arthur C., Alexandria, Minn. Sole edge trimmer. 2,450,292, Sept. 28.
- Nelson, Arthur L., assignor to Super Treat, Inc., Cincinnati, Ohio. Cooling apparatus for treating cutting tools. 2,445,294, July 13.
- Nelson, August J.: *See*—
 Busch, Fred, and Nelson.
- Nelson, Axel, assignee: *See*—
 Hary, Philip R.
- Nelson, Clarence E., Chicago, Ill., assignor to Kraft Foods Company. Manufacture of oleomargarine. 2,434,429, Jan. 13.
- Nelson, Clifford H., Tujunga, Calif. Shoulder pad filler garment hanger. 2,448,726, Sept. 7.
- Nelson Company, The, assignee: *See*—
 Watson, Edgar.
- Nelson, Evan H.: *See*—
 Francis, Victor J., and Nelson.
- Nelson, Everett E., Litchfield, Minn. Valve assembly for hydraulic steering systems. 2,451,689, Oct. 19.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind head-bar organization. 2,455,135, Nov. 30.
- Nelson, Hilding E.: *See*—
 White, Ira M., and Nelson.
- Nelson, Homer B., United States Navy. Plumb bob reel. 2,445,332, July 20.
- Nelson, Homer B., and F. J. Walters, U. S. Navy. Floating dock and wharf. 2,453,155, Nov. 9.
- Nelson, Hulda C., Pittsburgh, Pa. Trousers hanger and creaser. 2,437,437, Mar. 9.
- Nelson, John D., and P. V. Steenstrup, Pittsfield, Mass., assignors to General Electric Company. Cellular phenolic resin. 2,446,429, Aug. 3.
- Nelson, John J., assignor of one-half to T. J. Rozar, Birmingham, Ala. Air hose connection. 2,449,245, Sept. 14.
- Nelson, John W., Wickliffe, Ohio. Detachable connection for electric cables. 2,457,593, Dec. 28.
- Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Drying of microspherical gels. 2,438,450, Mar. 23.
- Nelson, Nels O., San Juan, Tex. Transmission hoist. 2,433,921, Jan. 6.
- Nelson, Noble A., Chicago, Ill., assignor of one-fifth to H. Freevol, one-fifth to S. Smedberg, one-fifth to H. Brandon, and one-fifth to C. E. Anderson. Fishing reel support or frame. 2,451,862, Oct. 19.
- Nelson, Oliver J., Parsons, Kans., assignor to himself as trustee. Apparatus for producing rock wool. 2,450,013, Sept. 28.
- Nelson, Oscar G.: *See*—
 Hanson, Estyle D., and Nelson.
 Larsen, Elmer J., and Nelson.
- Nelson, Perley A., and W. R., El Segundo, Calif. Delayed action electric switch. 2,437,037, Mar. 2.

- Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Ionization-type vacuum gauge. 2,454,564, Nov. 23.
- Nelson, Richard C., Clearwater Beach, assignor, by mesne assignments, to Juice Industries, Inc., Dunedin, Fla. Method of making a pectin product. 2,455,382, Dec. 7.
- Nelson, Rolland D., Hales Corners, assignor to Line Material Company, South Milwaukee, Wis. Method and machine for winding coils. 2,441,439, May 11.
- Nelson, Rolland D., Hales Corners, and H. B. Behlmer, South Milwaukee, assignors to Line Material Company, Milwaukee, Wis. Coupling means for ground rods. 2,446,300, Aug. 3.
- Nelson, Roy: *See—*
Abrams, Talbert, Moore, and Nelson.
- Nelson, Royal G., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Electric switch. 2,439,747, Apr. 13.
- Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Thread guide. 2,440,151, Apr. 20.
- Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for plying strands. 2,442,775, June 8.
- Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Cutting apparatus. 2,446,097, July 27.
- Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Self-centering funnel. 2,446,301, Aug. 3.
- Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Rotary cutter. 2,447,617, Aug. 24.
- Nelson, Theodore W., Woodbury, H. D. Noll, Wenonah, and T. P. Simpson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,442,276, May 25.
- Nelson, Walter: *See—*
Hill, Irving, and Nelson.
- Nelson, Wilbur L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Closure device for crystal converters. 2,456,305, Dec. 14.
- Nelson, William, assignor to J. & L. Tool & Findings Co., Attleboro, Mass. Chain clasp. 2,447,422, Aug. 17.
- Nelson, William R.: *See—*
Nelson, Perley A. and W. R.
- Nemec, Frantisek, Prague-Brevnov, Czechoslovakia. Device for the mutual and detachable support of two objects. 2,456,425, Dec. 14.
- Nemeth, Joseph J., New York, N. Y. Soap holder. 2,454,083, Nov. 16.
- Nemeth, Otto R., Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Cooling system for portable motion-picture projectors. 2,449,713, Sept. 21.
- Nemeth, Otto R., Chicago, Ill. Projector lamp housing and cooling system therefor. 2,456,530, Dec. 14.
- Nemeth, Stephan P., Chicago, Ill. Toy helicopter. 2,439,143, Apr. 6.
- Nemic, Earl: *See—*
Boss, Floris, and Nemic.
- Nenninger, Lester F., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Knee actuating mechanism for milling machines. 2,452,674, Nov. 2.
- Nenstiehl, William: *See—*
Hoffecker, John W., Wilson, and Nenstiehl.
- Neo Beauty Line Company Ltd., assignee: *See—*
Marc-Aurele, Lionel A.
- Neracher, Carl A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mounting for transmission shifters. 2,442,660, June 1.
- Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Servomotor. 2,453,156, Nov. 9.
- Neracher, Carl A., W. T. Dunn, T. Iavelli, and A. J. Syrovoy, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,455,943, Dec. 14.
- Neracher, Otto: *See—*
Martin, Henry, Gysin, Neracher, and Hirt.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Apparatus employing cavity resonators. 2,445,236, July 13.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,452,317, Oct. 26.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,452,318, Oct. 26.
- Nergaard, Leon S., Verona, and D. G. Burnside, East Orange, N. J., and L. Pensak, Brooklyn, N. Y., assignors to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,445,077, July 13.
- Nergstein, Robert M., et al., assignees: *See—*
Bergstein, Samuel, and Van Guelpen.
- Nero, Fred P., assignor to Diebold, Incorporated, Canton, Ohio. Rotary card index and tray. 2,441,717, May 18.
- Nesbitt, Ethan A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,441,588, May 18.
- Nesbitt, Ethan A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,443,636, June 22.
- Nesbitt, William J.: *See—*
Wollin, Robert H.
- Ness, Harold J.: *See—*
Thomas, Charles E., Felter, and Ness.
- Ness, Irving S., and E. Motekevecz, Baldwin, N. Y. Automatic wire-cutting machine. 2,441,837, May 18.
- Ness, Walter E., Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y. Lakes of basic dyestuffs. 2,455,898, Dec. 7.
- Nesset, Maurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Closure. 2,442,983, June 8.
- Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Windshield wiper arm attachment. 2,443,113, June 8.
- Nestas, Nancy: *See—*
Daellenbach, Raymond E.
- Nestler, Max E.: *See—*
Mackenzie, Neil M., and Nestler.
- Nesty, Glenn A.: *See—*
Porter, Frank, and Nesty.
- Netherton, Charles N., Gilman City, Mo. Inclined rail ball rolling chance device. 2,456,725, Dec. 21.
- Netherwood, Paul H.: *See—*
Robinson, Preston, and Netherwood.
- Netschert, Franz, Glendale, assignor to Technical Glass Company, Los Angeles, Calif. Door latch. 2,454,754, Nov. 23.
- Nettel, Frederick, Manhasset, N. Y. Heat engine. 2,439,748, Apr. 13.
- Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Air supply arrangement for hot-air power plant furnaces. 2,434,950, Jan. 27.
- Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Turbine compressor plant. 2,457,594, Dec. 28.
- Nettenstrom, Arthur R., Chicago, Ill., assignor to American Brake Shoe Company, Wilmington, Del. Upset forging apparatus. 2,442,142, May 25.
- Netting, Ralph B., Grosse Pointe, Mich. Lighting equipment. 2,434,951, Jan. 27.
- Neuber, Herbert K., assignee: *See—*
Weathers, Paul.
- Neuburger, William, Elmhurst, N. Y. Fountain safety razor. 2,447,358, Aug. 17.
- Neufeld, Jacob, Tulsa, Okla. Navigational method and apparatus. 2,444,578, July 6.
- Neubaus, Robert G., assignor to Teletype Corporation, Chicago, Ill. Translating device. 2,456,726, Dec. 2.
- Neuhoff, Ermaline G., and B. F. Davenport, Los Angeles, Calif. Combination undergarment. 2,449,857, Sept. 21.
- Neumair, Joseph A.: *See—*
Johnson, Carl W., and Neumair.
- Neuman, Wilbur K., Skokie, Ill., and H. M. Slosberg, Ames, Iowa, assignors to Continental Can Company, Inc., New York, N. Y. Gas sampling device. 2,457,707, Dec. 28.
- Neumann, Henry T., New York, N. Y. Producing colored photographs. 2,439,901, Apr. 20.
- Neuner, Martin J., Fairview, assignor to Bendix Aviation Corporation, Teterboro, N. J. Commutator brush holder. 2,443,266, June 15.
- Neustadt, Herbert M., assignor, by mesne assignments, to Remco Electronics, Inc., New York, N. Y. Voltage regulator. 2,443,541, June 15.
- Neutra, Richard J., Los Angeles, Calif. Device for preventing underground freezing. 2,446,948, Aug. 10.
- Neutra, Richard J., Los Angeles, Calif. Foundation device for load supporting columns. 2,446,949, Aug. 10.
- Nevala, Lloyd A.: *See—*
Darby, Paul F., and Nevala.
- Neville Company, The, assignee: *See—*
Geiger, Lyle M., and Marsh.
- Voet, Andries.
- Nevin, James G., Toronto, Ontario, Canada. Adjustable clamping shoeshine fixtures. 2,440,871, May 4.
- Nevins-Church Press, The, assignee: *See—*
Davis, Albert G.
- Locke, Edwin A., Jr.
- New, Archibald A.: *See—*
Scott, Thomas R., and New.
- New, Archibald A., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Polystyrene electric insulating materials. 2,438,516, Mar. 30.
- New, Archibald A., S. G. Foord, and D. R. Beckwith, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric insulating material. Re. 23,062, Dec. 14.
- New, Roy W., Covington, Ky., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Safety type vertical door mounting and operating control. 2,441,503, May 11.
- Newark Plaster Company, assignee: *See—*
Cuppert, Charles H.
- Newberry, Meigs W., South Windsor, Conn. Collapsible and inflatable baby carriage. 2,446,302, Aug. 3.
- Newbery, Stanley, Peterborough, assignor of one-half to James Armstrong & Company Limited, London, England. Machine used in laundries for washing or drying articles. 2,451,403, Oct. 12.
- Newbold, Park L., Cedar Rapids, Iowa. Storm window support. 2,444,746, July 6.
- New Britain Machine Company, The, assignee: *See—*
Montgomery, Donald H.
- Rockwell, Edward A.

- New Castle Products, assignee: *See*—
Shearer, William A.
- Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Helical spline torque indicator. 2,444,363, June 29.
- Newcombe, Frank A.: *See*—
Whitmore, James B., Makenny, and Newcombe.
- Newcombe, Marguerite S., Crystal Lake, Ill. Garment. 2,434,714, Jan. 20.
- Newcomer, Everett J., Kew Gardens, assignor to City Vending Equipment Corp., Maspeth, Long Island, N. Y. Product vending machine. 2,436,223, Feb. 17.
- Newcomer, Keepers M., Pittsburgh, Pa. Liquid mixing valve. 2,453,809, Nov. 16.
- Newell, Arthur T., Huntington, assignor to Kenyon Instrument Co., Inc., Huntington Station, N. Y. Anemometer. 2,438,674, Mar. 30.
- Newell, Floyd B., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Adjusting arrangement for pneumatic relays of the force-labile type. 2,446,385, Aug. 3.
- Newell, Frederick T., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Pipe coupling. 2,445,151, July 13.
- Newell, George K.: *See*—
McCune, Joseph C., and Newell.
- Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and sanding control apparatus. 2,447,713, Aug. 24.
- Newell, Isaac L.: *See*—
Dissel, Theodore A., and Newell.
- Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Ball caster. 2,451,353, Oct. 12.
- Newell, William H., New York, and L. S. Brown, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Triangle solver. 2,438,818, Mar. 30.
- Newell, William H., New York, and H. F. McKenney, Flushing, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Electric motor follow-up system. 2,448,387, Aug. 31.
- Newey, Herbert A.: *See*—
Davis, Harold S., and Newey.
- Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine shuttle. 2,438,938, Apr. 6.
- New Haven Clock and Watch Company, The, assignee: *See*—
Whitehead, Richard H.
- Newhouse, Abe, Brooklyn, N. Y. Rotary pressing machine for continuous pressing operations. 2,452,483, Oct. 26.
- Newhouse, Ray C., Wauwatosa, Wis. Water heating system. 2,443,359, June 15.
- Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tube or ball mill with cooled trunnion. 2,456,073, Dec. 14.
- Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Overload responsive system for controlling feed and operation of crushing apparatus. 2,456,074, Dec. 14.
- Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rod deck screen with rubber-covered cylindrical clamping means. 2,456,075, Dec. 14.
- Newitt, John H., Maplewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,452,675, Nov. 2.
- Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic goniometer for radio direction finders. 2,450,014, Sept. 28.
- Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic switching system. 2,457,173, Dec. 28.
- New Jersey Zinc Company, The, assignee: *See*—
Boyle, Edward J., and Anderson.
Gamble, David L., Cyr, Siller, and Bisbing.
Handwerk, Erwin C., and Mahler.
Handwerk, Erwin C., Mahler, and Haupt.
Robson, Stanley.
Truesdale, Edward C.
- Newkirk, Arthur E., Schenectady, N. Y., assignor to General Electric Company. Resolution of azeotropic mixtures of chlorosilanes. 2,449,815, Sept. 21.
- Newkirk, Elmer M., St. Joseph, Mo. Window platform. 2,445,860, July 27.
- Newkirk, Thomas A.: *See*—
Bennett, Frederick D., and Newkirk.
- Newkirk, Thomas A., Fairfield, Ohio. Coaxial switch. 2,435,978, Feb. 17.
- Newkirk, Thomas A., Fairfield, Ohio. Variable inductance. 2,442,373, June 1.
- Newkirk, Thomas A., Fairfield, Ohio. Radio-frequency choke coil. 2,442,776, June 8.
- Newman, Albert J., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Machine for testing and marking parts magnetically. 2,455,874, Dec. 7.
- Newman, Albert M., and R. V. Miller, Los Angeles, Calif. Golf swing indicator. 2,445,839, July 27.
- Newman, Alexander I., River Forest, assignor to Precision Scientific Co., Chicago, Ill. Flask heater. 2,450,981, Oct. 12.
- Newman, Armand E., New York, N. Y. Suspension rack. 2,451,110, Oct. 12.
- Newman, Barbara, Forest Hills, N. Y. Crib and bed guard. 2,455,340, Nov. 30.
- Newman, Bruce K., U. S. Army, St. Louis, Mo. Cable separator and yoke. 2,447,025, Aug. 17.
- Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Restrictor tube for refrigerator systems. 2,434,118, Jan. 6.
- Newman, Henry J., Greenford, and E. F. Johnson, South-end-on-Sea, England. Vehicular amusement apparatus. 2,453,380, Nov. 9.
- Newman, Irving I., Leominster, Mass., assignor to Reliance Molded Plastics, Inc., Providence, R. I. Rack for poker chips and the like. 2,453,030, Nov. 2.
- Newman, John M., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for motor-driven apparatus. 2,452,257, Oct. 26.
- Newman, Max M., New York, N. Y., assignor to American Machine & Foundry Company. Necktie machine. 2,450,906, Oct. 12.
- Newman, Milton, Philadelphia, Pa. Warp-knitted fabric. 2,435,897, Feb. 10.
- Newman, Percy A.: *See*—
Davis, Francis H., Emerson, and Newman.
- Newman, Robert J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffins. 2,436,483, Feb. 24.
- Newman, William E., Chicago, Ill., assignor to Radio Corporation of America. Tuning control mechanism for radio receivers. 2,453,252, Nov. 9.
- Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Motor-operated push-button tuner. 2,453,251, Nov. 9.
- New Products Corporation, assignee: *See*—
Banker, Oscar H.
- New River Company, The, assignee: *See*—
Scott, John C.
- Newsom, Kitchener K., San Francisco, Calif. Fruit process. 2,444,579, July 6.
- Newsome, James W., Belleville, H. W. Heiser, East St. Louis, and J. R. Wall, Collinsville, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Treatment of sodium aluminate solutions. 2,440,378, Apr. 27.
- Newton, Alvin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigerating control apparatus. 2,453,584, Nov. 9.
- Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control means for plural stage refrigerating system. 2,434,221, Jan. 6.
- Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Low-temperature test chamber. 2,437,352, Mar. 9.
- Newton, Alvin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,454,263, Nov. 16.
- Newton, Amos S., Ames, Iowa, assignor to the United States of America, as represented by the United States Atomic Energy Commission. Preparing uranium hydride. 2,446,780, Aug. 10.
- Newton, Amos S., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparing uranium deuteride. 2,452,139, Oct. 26.
- Newton, Bertie F., Chelmsford, England, assignor to Norma Hoffmann Bearings Corporation, Stamford, Conn. Cage for roller bearings. 2,457,485, Dec. 28.
- Newton Brothers (Derby) Limited, England: *See*—
Newton, Frederick.
- Newton, Charles W., Kansas City, Mo. Thread holder and cutter. 2,445,629, July 20.
- Newton, Frederick, Sudbury, assignor to Newton Brothers (Derby) Limited, Derby, England. Hydraulic damper. 2,457,708, Dec. 28.
- Newton, Herman S., Temple, Tex. Sanding machine. 2,452,205, Oct. 26.
- Newton, Herman S., Temple, Tex. Sanding machine. 2,452,206, Oct. 26.
- Newton, John A., and N. Hoertz, assignors to Thompson Products, Inc., Cleveland, Ohio. Seal construction. 2,439,315, Apr. 6.
- Newton, John C., Bayside, and P. Halpert, Hempstead, N. Y., assignors to The Sperry Corporation. Turn control means for an automatic pilot. 2,450,907, Oct. 12.
- Newton, John S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-speed transmission for locomotive turbines. 2,435,633, Feb. 10.
- Newton, Robert J., Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Can dumping machine. 2,453,077, Nov. 2.
- Newton, Russell B., Danville, Va., assignor, by mesne assignments, to Dan River Mills, Incorporated. Tensioned roving and forming same. 2,454,830, Nov. 30.
- New Wrinkle, Inc., assignee: *See*—
Reynon, Nathan T.
Waldie, William A.
Williams, Gordon M.
- New York Air Brake Company, The, assignee: *See*—
Huber, Matthew W.
Klein, William F.
Sudduth, Henry N.
Whittingham, David J.
- New York & Brooklyn Casket Co. assignee: *See*—
Votey, Charles H.

- Ney, Edward P.: *See*—
Nier, Alfred O. C., and Ney.
- Ney, Kenneth E., by change of name: *See*—
Nehab, Kurt.
- Ney, William O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized heat polymerizable N-vinyl pyrrole compositions. 2,449,951, Sept. 21.
- Niagara Blower Company, assignee: *See*—
Olstad, Martin H., and Williams.
- Niagara Machine & Tool Works, assignee: *See*—
Munschauer, Frederick E.
- Niblack, Harley D., Denver, Colo. Massage table. 2,446,098, July 27.
- Niblack, Harley D., Denver, Colo. Massage roller. 2,446,099, July 27.
- Nicaró Nickel Company, assignee: *See*—
Lichtenwalter, Myrl.
- Nicolls, Walter C., San Jose, Calif. Folding concrete form. 2,451,112, Oct. 12.
- Nicewander, Daniel A.: *See*—
Hillyer, John C., and Nicewander.
- Nichol, Arthur V., Elkins Park, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electromagnetic system. 2,452,388, Oct. 26.
- Nicholas, Andrew J., North Haven, assignor to The Grenby Manufacturing Company, Plainville, Conn. Shipping container refrigerated by Dry Ice. 2,449,005, Sept. 7.
- Nicholas Equipment Company, assignee: *See*—
Nicholas, Herbert T.
- Nicholas, George K., La Porte, Ind. Warp tension attachment. 2,438,675, Mar. 30.
- Nicholas, Herbert T., Huron, Ohio, assignor to Nicholas Equipment Company. Polishing machine. 2,452,863, Nov. 2.
- Nicholas, John, assignor to E. S. & A. Robinson, Limited, Bristol, England. Paper bag making machinery. 2,438,787, Mar. 30.
- Nicholes, Postell M., Highland Park, and J. H. Taylor, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide photographic emulsions of enhanced light-sensitivity. 2,441,440, May 11.
- Nicholl, Leonard: *See*—
Bitler, William P., Aschner, and Nicholl.
- Nicholls, Kenneth H.: *See*—
Rose, Alfred G., and Nicholls.
- Nicholoy, Winford E., assignor to The Scott Viner Company, Columbus, Ohio. Root harvester and steering means therefor. 2,436,594, Feb. 24.
- Nichols, Arthur S.: *See*—
Prosser, Robert A., and Nichols.
- Nichols, Edgar B., Moorestown, N. J. Electric connector for corona discharge devices. 2,440,828, May 4.
- Nichols, Edgar B., Morristown, N. J. Writing instrument. 2,451,111, Oct. 12.
- Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Harness motions. 2,455,263, Nov. 30.
- Nichols, Frank, Pensacola, Fla. Welding rod holder. 2,441,589, May 18.
- Nichols, George B., assignor to Selberling Rubber Company, Barborton, Ohio. Calendaring and apparatus therefor. 2,436,446, Feb. 24.
- Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Easel back. 2,454,521, Nov. 23.
- Nichols, Harry J., Binghamton, N. Y. Fuse. 2,441,939, May 18.
- Nichols, Harry J., Binghamton, N. Y. Detonating or impact fuse. 2,446,019, July 27.
- Nichols, Harry J., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of the Navy. Method of and apparatus for exploding armor piercing projectiles. 2,441,897, May 18.
- Nichols, Harry J., New York, N. Y. Projectile. 2,435,095, Jan. 27.
- Nichols, Harry J., New York, N. Y. Fuse. 2,455,603, Dec. 7.
- Nichols, Hayden, Salt Lake City, Utah. Shoe closure. 2,454,335, Nov. 23.
- Nichols, James B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making regenerated cellulose films. 2,445,333, July 20.
- Nichols, James B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Regenerated cellulose film manufacture. 2,451,768, Oct. 19.
- Nichols, Myron H., and J. F. Brinster, Princeton, N. J., assignors to Research Corporation, New York, N. Y. Multisignal transmission system. 2,444,950, July 13.
- Nichols, Peter L., Jr., and R. M. Hamilton, Philadelphia, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Plastic material from allyl starch. 2,449,816, Sept. 21.
- Nicholson, Edward W. S., Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils with finely divided catalyst. 2,456,306, Dec. 14.
- Nicholson, Edward W. S., and A. K. Redcay, Baton Rouge, La., assignors to Standard Oil Development Company. Conversion of hydrocarbon gases. 2,436,595, Feb. 24.
- Nicholson, Harlow W., Elwood, Ill. Portable grinding stand. 2,447,618, Aug. 24.
- Nicholson, Madison G., Jr.: *See*—
Burlingame, Ernest D., Carlson, Nicholson, and Scott.
- Nicholson, Ragnar C., White Plains, and N. H. Schneider, assignors to Master Rule Manufacturing Co., Inc., New York, N. Y. Tape rule. 2,446,020, July 27.
- Nickel Cadmium Battery Corporation, assignee: *See*—
Berg, Carl and M.
- Nickel, Willard T.: *See*—
Gardiner, Arthur W., and Nickel.
- Nickell, John B., McFarland, assignor of forty per cent to J. M. Yarbor, Delano, Calif. Animal trap. 2,446,486, Aug. 3.
- Nickerson, John T. R., Wakefield, Mass., assignor to General Foods Corporation, New York, N. Y. Stabilization of frozen grapefruit. 2,437,752, Mar. 16.
- Nickle, Arthur G.: *See*—
Nickle, Frank H., and A. G.
- Nickle, Arthur G., Saginaw, Mich. Retaining means for setscrews in bearing inner races. 2,437,305, Mar. 9.
- Nickle, Frank H. and A. G. G., Saginaw, Mich. Safety shear-pin drive. 2,438,676, Mar. 30.
- Nicodemus, Paul O., York, Pa., assignor to General Electric Company. Making polysiloxane electrical insulating composition. 2,442,618, June 1.
- Nicol, William H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Condensation derivatives of rubber. 2,439,369, Apr. 6.
- Nicolai, Arduo L., New York, N. Y. Method and apparatus for measuring constituents of gases. 2,448,111, Aug. 31.
- Nicolaus, Frank G.: *See*—
Hooker, Donald E., and Nicolaus.
- Nicolaysen, Hans, Brooklyn, N. Y. Fluorescent light holder for pianos. 2,455,798, Dec. 7.
- Nicolazzo, John J., assignor to The Jos-Nic Company, Bridgeport, Conn. Fused wall outlet box. 2,435,794, Feb. 10.
- Nicolin, George, and R. A. Hansen, Chicago, Ill. Door lock attachment. 2,435,634, Feb. 10.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Luminescent screen. 2,439,181, Apr. 6.
- Nicoll, Frederick H., and F. E. Williams, Princeton, N. J., assignors to Radio Corporation of America. Production of skeletonized low reflectance glass surface with fluosilicic acid vapor. 2,445,238, July 13.
- Niederer, Herbert O.: *See*—
Niederer, Otto C. and H. O.
- Niederer, Otto C. and H. O., Titusville, N. J. Apparatus for conveying and sorting headed articles in accordance with length of shank. 2,435,635, Feb. 10.
- Niederhauser, Robert J.: *See*—
Spiller, William R., and Niederhauser.
- Niederhauser, Warren D.: *See*—
Bruson, Herman A., and Niederhauser.
- Niederl, Joseph B., Brooklyn, N. Y. Halogenated condensation products. 2,435,014, Jan. 27.
- Niederl, Joseph B., Brooklyn, N. Y. Nitrated estrogenic hormones. 2,438,819, Mar. 30.
- Niederl, Joseph B., Brooklyn, N. Y. Phenolic condensation products. 2,440,909, May 4.
- Niederl, Joseph B., Brooklyn, and V. Niederl, Round Top, N. Y., and M. E. McGreal, Somersworth, N. H. N-benzyl-N-methylmorpholinium halides. 2,437,833, Mar. 16.
- Niederl, Joseph B., Brooklyn, N. Y., and W. F. Hart, Easton, Pa. N-alkyl thiomorpholines and derivatives. 2,439,749, Apr. 13.
- Niederl, Victor: *See*—
Niederl, Joseph B. and V., and McGreal.
- Nielsen, A. C., Company, assignee: *See*—
Clark, Robert A., Jr.
- Nielsen, Adolph, Oakland, Calif. Hand truck. 2,452,258, Oct. 26.
- Nielsen, Kenneth, Westby, Wis. Dip stick cleaner. 2,453,452, Nov. 9.
- Nielsen, Niels E., Summit, and F. G. Stirling, Maplewood, N. J. Bristle tuft and holding bar. 2,436,934, Mar. 2.
- Nielson, Morgan L., Richmond, Calif. Double-acting chain-type pipe vise. 2,455,517, Dec. 7.
- Niemand Bros. Inc., assignee: *See*—
Jensen, Paul J.
- Nier, Alfred O. C., New York, N. Y., and E. P. Ney, Charlottesville, Va., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Mass spectrometer system. 2,456,426, Dec. 14.
- Nies, Abby W., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Chromium complexes of pyrazolone azo dyes. 2,446,662, Aug. 10.
- Nies, Abby W., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyestuffs of the pyrazolone series. 2,447,867, Aug. 24.
- Nies, George L., Ephrata, Pa. Rotary fuel distributing valve. 2,447,423, Aug. 17.
- Nies, Hans C., Passaic, N. J. Cushion tire. 2,451,172, Oct. 12.
- Niessen, Paul F., Canal Fulton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of neoprene. 2,455,697, Dec. 7.
- Nietfeld, Albert B., Fort Laramie, Wyo. Circular saw reconditioning rig. 2,453,658, Nov. 9.
- Nietsche, Hans E., Detroit, Mich. Motor mechanism. 2,452,864, Nov. 2.

- Nietsche, Hans E., Detroit, Mich. Toy. 2,452,865, Nov. 2.
- Niewoehner, Fred, Bergenfield, N. J., assignor to Postage Stamp Machine Co., New York, N. Y. Coin-controlled vending machine. 2,444,747, July 6.
- Nightingale, William J., Oak Park, assignor, by mesne assignments, of one-half to S. E. Bruen, Chicago, Ill. Boring apparatus. 2,447,424, Aug. 17.
- Nightingall, Charles M. G., executor, et al.: *See—*
- Nightingall, Victor C. J.
- Nightingall, Ruth V., executor, et al.: *See—*
- Nightingall, Victor C. J.
- Nightingall, Victor Charles John, deceased, late of Heidelberg, Victoria, Australia, by R. V. Nightingall, A. M. Old, and C. M. G. Nightingall, executors, Melbourne, assignors to Di-Met Proprietary Limited, West Melbourne, Victoria, Australia. Protectively coated ferrous metal surfaces and producing same. 2,440,969, May 4.
- Nigro, Julia, Kansas City, Mo. Molding feather brushes. 2,443,430, June 15.
- Nikis, Mario, Puteaux, France. Modulating and amplifying system. 2,435,547, Feb. 3.
- Nikitin, Alexander A., College Park, Ga., assignor to Tennessee Copper Company, New York, N. Y. Copper fungicides and producing same. 2,456,727, Dec. 21.
- Niles-Bement-Pond Company, assignee: *See—*
- Andrews, Douglas H., Jr., and Lipfert.
- Baierlein, George W.
- Chandler, Milton E.
- Childs, Gordon E.
- Drake, Alden M.
- Fox, Raymond, and Whitney.
- Gilbert, Stanley W.
- Hunt, Scott F.
- Jaeger, Jacob J.
- Ladrach, Aaron G.
- Lee, Leighton, II.
- Lipfert, Donald E.
- Mueller, Paul M.
- Potter, William W. and Fuller.
- Rusnak, John M., and Durkee.
- Shaw, John C.
- Shaw, Robert D.
- Niles, Kermit B., assignee, et al.: *See—*
- Galewski, George F.
- Nill, Earl E., assignee: *See—*
- Charley, Walter F.
- Nilson, Carl E. J., Storgatan, Angelholm, Sweden. Time controlling mechanism. 2,437,401, Mar. 9.
- Nilsson, Karl W., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Cradle-type telephone subset. 2,443,799, June 22.
- Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Frequency conversion system. 2,447,133, Aug. 17.
- Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electrical control system. 2,447,134, Aug. 17.
- Nims, Paul T., and A. Chadkewicz, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Spark plug. 2,442,858, June 8.
- Nineteen Hundred Corporation, assignee: *See—*
- Cooper, Leonard R.
- Geldhof, Peter E., and Ringer.
- Ringer, Luther.
- Wooster, Vernon J.
- Ninger, Frederick C., Flushing, assignor to Vick Chemical Company, New York, N. Y. Aluminum hydroxide antacid composition. 2,446,981, Aug. 10.
- Nipa Laboratories, Limited, assignee: *See—*
- Boehm, Erich.
- Nisbet, Robert H., Stroud, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Automatic regulating system having a movable control element and a follow-up element. 2,440,183, Apr. 20.
- Nisbet, Robert H., Stroud, and A. P. Glenny, Amberley, assignors to The Sperry Gyroscope Company Limited, Brentford, England. Automatic control system for aircraft. 2,439,750, Apr. 13.
- Nisensohn, Jules: *See—*
- Gabrielsen, Christian, and Nisensohn.
- Nisensohn, Jules, assignor to Publix Metal Products, Inc., New York, N. Y. Venetian blind tilt-bar support. 2,435,288, Feb. 3.
- Niskanen, William, and E. L. Christofferson, Minneapolis, Minn. Support for containers. 2,448,456, Aug. 31.
- Nissen, Warren I., Newark, N. J. Cigar lighter. 2,449,314, Sept. 14.
- Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter construction. 2,455,698, Dec. 7.
- Nissenbaum, Moses D., Brooklyn, assignor to J. and L. Howard, co-partners, doing business as Hardware Products Co., New York, N. Y. Sandpaper holder. 2,454,668, Nov. 23.
- Nitrallay Corporation, The, assignee: *See—*
- Floe, Carl F.
- Partiot, Maurice.
- Nivison-Welskopf Company, The, assignee: *See—*
- Curtis, Edna H.
- Nixon, Alan C.: *See—*
- Davis, Orris L.
- Nixon, Alan C., and D. L. Yabroff, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,438,018, Mar. 16.
- Nixon, Alan C., and O. L. Davis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Aluminum oxide compositions. 2,450,766, Oct. 5.
- Nixon, Willoughby F.: *See—*
- De la Riestra, Juan C. and M. A., and Nixon.
- Noakes, Henry F., and J. R. Martyn, James Island, British Columbia, Canada, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive and making the same. 2,436,596, Feb. 24.
- Nobelt Company, The, assignee: *See—*
- Hardie, Harry.
- Noble, Daniel E.: *See—*
- Fruth, Hal F., and Noble.
- Noble, John C., Bath Township, Greene County, and B. F. Hardt, Dayton, Ohio. Radio system. 2,449,565, Sept. 21.
- Noble, Kenneth B.: *See—*
- Van Veen, Anton, and Noble.
- Noble, Kenneth B., Hartford, Conn. Ellipsograph. 2,452,484, Oct. 26.
- Noble, Lilly F. S., assignee: *See—*
- Noble, Warren.
- Noble, Milner, assignor to Aerofin Corporation, Syracuse, N. Y. Purge arrangement for heating coils. 2,434,580, Jan. 13.
- Noble, Warren, Washington, D. C., assignor to L. F. S. Noble, Garden City, L. I., N. Y. Joint construction. 2,446,846, Aug. 10.
- Noblett, Wayland J., Long Beach, Calif. Can opener. 2,456,307, Dec. 14.
- Noblitt-Sparks Industries, Inc., assignee: *See—*
- Booth, Earl C.
- Noecker, Louis J., St. Clair, Mo. Machine for turning and binding the edges of leather. 2,440,113, Apr. 20.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Glass tube bending apparatus. 2,439,902, Apr. 20.
- Noel, Guy E., assignor to Noel Manufacturing Company, Muncie, Ind. Simulated baseball box score game. 2,448,151, Aug. 31.
- Noel Manufacturing Company, assignee: *See—*
- Noel, Guy E.
- Noffsinger, Fred P., Greeley, Colo. Potato digger attachment for tractors. 2,455,264, Nov. 30.
- Nofz, Harold E., assignor to National Stamping Company, Detroit, Mich. Seat slide structure. 2,446,241, Aug. 3.
- Nogueira, Bernardino, New York, N. Y. Aerial bomb. 2,442,374, June 1.
- Noguera, Joseph, Prestwich, Manchester, assignor to Casablanca High Draft Company Limited, Salford, Manchester, England. Roller stand for spinning and preparing machines. 2,446,021, July 27.
- Noguera, Joseph, Prestwich, Manchester, assignor to Casablanca High Draft Company Limited, Salford, Manchester, England. Collector for textile drafting mechanisms. 2,450,251, Sept. 28.
- Nokes, Ernest S.: *See—*
- Chase, Ernest E., Nokes, Stratton, and Goodhue.
- Nokes, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Area measuring machine using light beams. 2,450,054, Sept. 28.
- Nolan, Thomas W.: *See—*
- Arave, Franklin M., and Nolan.
- Noland, Thomas T.: *See—*
- Berger, Henry G., Noland, and Fuller.
- Nolde, Arthur H., assignor to The Falk Corporation, Wauwatosa, Wis. Jig bushing. 2,457,709, Dec. 28.
- Noll, Henry D.: *See—*
- Nelson, Theodore W., Noll, and Simpson.
- Nolte, Claude B.: *See—*
- Yates, Cecil F., and Nolte.
- Noma Electric Corporation, assignee: *See—*
- Otis, Carl W.
- Noodleman, Samuel, Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation. Single phase motor control switch. 2,442,207, May 25.
- Noodleman, Samuel, Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation. Reversing control for capacitor motors. 2,442,208, May 25.
- Noodleman, Samuel, Dayton, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical motor control system. 2,452,784, Nov. 2.
- Nopco Chemical Company, assignee: *See—*
- Buxton, Loran O.
- Buxton, Loran O., and Dryden.
- Kapp, Roland, Pickel, and Rosenberg.
- Licata, Francis J.
- Miskel, John J., and Dombrow.
- Pickel, Frank D., and Rosenberg.
- Pickel, Frank D., and Weinstock.
- Price, Donald, and Sprules.
- Robinson, Edwin A., and Beach.
- Noponen, William, assignee, et al.: *See—*
- Warring, Alfred.
- Norberg Manufacturing Company, assignee: *See—*
- Anderson, Karl V.
- Kraft, Selmer A.
- Talboys, Henry H.
- Norberg, William A., Quincy, Ill., assignor to Raynor Manufacturing Company, Dixon, Ill. Overhead door construction. 2,442,309, May 25.

- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Locking containers on vehicles. 2,436,972, Mar. 2.
- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Transport vehicle. 2,440,379, Apr. 27.
- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Fluid meter construction. 2,457,710, Dec. 28.
- Nord, Eric T., assignor to U. S. Automatic Corporation, Amherst, Ohio. Milling mechanism. 2,450,350, Sept. 28.
- Nord, Friedrich F., New York, N. Y. Food composition containing fusaria. 2,450,055, Sept. 28.
- Nordberg, Charles H., Chicago Heights, Ill., assignor to Pettibone Mulliken Corporation. Cast rail crossing structure. 2,438,070, Mar. 16.
- Nordberg Manufacturing Company, assignee: *See*—Anderson, Karl V.
Froehlich, Kurt, and Grieshaber.
Grieshaber, Emil, and Anderson.
Gruender, Oscar C.
Kellogg, Joseph.
Symons, Loren G.
- Norde, Leslie, Hempstead, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. Adjustable wave coupling system. 2,451,444, Oct. 12.
- Nordell, Robert, Sundbyberg, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Device for signalling or releasing by electric power capacitors. 2,449,817, Sept. 21.
- Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Chlorinated methylpolysiloxane resins. 2,439,669, Apr. 13.
- Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Polymers of an unsaturated alkyl resin and an unsaturated halogenated compound and method of producing same. 2,450,682, Oct. 5.
- Nordlander, Birger W., and W. E. Cass, Schenectady, N. Y., assignors to General Electric Company. Modified wax-compatible ethylene glycoltetrachlorophthalate resins. 2,455,873, Dec. 7.
- Nordman, Edwin F.: *See*—Carlsen, Herbert M., and Nordman.
- Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Automatic reel. 2,434,119, Jan. 6.
- Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Chair seat. 2,449,500, Sept. 14.
- Nordquist, Robert G., Glen Ellyn, assignor to Patent License Corporation, Chicago, Ill. Lighting fixture. 2,434,049, Jan. 6.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container positioning mechanism for filling machines. 2,434,952, Jan. 27.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Feeding and gauging mechanism. 2,436,821, Mar. 2.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Producing can bodies. 2,444,463, July 6.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can closing machine. 2,447,524, Aug. 24.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can closing machine. 2,447,525, Aug. 24.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Seaming roller mounting. 2,452,596, Nov. 2.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Conveyor to fish canning machine. 2,454,831, Nov. 30.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Expandable tunnel fish canning machine. 2,455,944, Dec. 14.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Seamer for filled cans with countersunk bottoms. 2,456,644, Dec. 21.
- Nordquist, Ronald E. J., Maplewood, and H. F. Cox, Jr., Summit, N. J., assignors to American Can Company, New York, N. Y. Feeding articles to be marked. 2,436,820, Mar. 2.
- Nordsieck, Arnold T., New York, N. Y., assignor to the United States of America, as represented by the Secretary of War. High-frequency tuning device. 2,437,889, Mar. 16.
- Nordstrom, Yngve H., assignor to Norton Company, Worcester, Mass. Pulpstone joint material. 2,446,513, Aug. 3.
- Norelli, Patrick: *See*—Auxier, Robert W., and Norelli.
- Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Pulse radar system. 2,455,265, Nov. 30.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Pulse generator. 2,436,662, Feb. 24.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Saw-tooth wave generator. 2,436,663, Feb. 24.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Crystal oscillator circuits. 2,452,951, Nov. 2.
- Norgauer, John W.: *See*—Craig, Ralph P., and Norgauer.
- Norgren, Carl A., Denver, Colo. Lubricant injecting means. 2,442,777, June 8.
- Norin, Allan A., assignor to Gaylord Products, Incorporated, Chicago, Ill. Comb. 2,446,781, Aug. 10.
- Norin, Allan A., and F. D. Reynolds, assignors to Gaylord Products, Incorporated, Chicago, Ill. Hair curler. 2,456,645, Dec. 21.
- Norlin, Clarence F., Chicago, Ill. Pencil eraser. 2,454,399, Nov. 23.
- Norma Hoffmann Bearings Corporation, assignee: *See*—Newton, Bertie F.
- Norma-Hoffmann Bearings Corporation, assignee: *See*—Batesole, Dwight E.
- Norman, Augustus, Pittsburgh, Pa. Float valve. 2,446,549, Aug. 10.
- Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Inductor generator assembly. 2,441,282, May 11.
- Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Inductive electrical indicator with compensated damper. 2,451,404, Oct. 12.
- Norman, Joseph T., Huntington Mills, Pa. Automatic stoker. 2,454,400, Nov. 23.
- Norman, Noah M., and A. S. Brumby, assignors to J. P. K. Fontaine, Birmingham, Ala. Trailer coupling mechanism. 2,440,152, Apr. 20.
- Norquist, Glenn H., Jamestown, N. Y. Apparatus and method for flanging metal-clad fibrous base panels. 2,439,397, Apr. 13.
- Norquist, Glenn H., Jamestown, N. Y. Shipping assembly. 2,457,262, Dec. 28.
- Norquist, Glenn H., Jamestown, N. Y. Soldering stand assembly. 2,457,263, Dec. 28.
- Norris, Edward O., Westport, Conn. Paint spray machine. 2,441,327, May 11.
- Norris, Paul A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for molding. 2,445,405, July 20.
- North, Anna P.: *See*—North, Charles E. and A. P.
- North, Charles E. and A. P., Montclair, N. J. Apparatus for breaking and making emulsions. 2,455,945, Dec. 14.
- North, Dwight O.: *See*—Herold, Edward W., and North.
- North, Edwin W., and R. A. Stone, assignors to National Lock Company, Rockford, Ill. High chair tray slide. 2,440,224, Apr. 20.
- North Electric Manufacturing Company, The, assignee: *See*—Breese, Lemuel R.
- North, Gerald C., and L. Little, assignors to Beatrice Creamery Co., Chicago, Ill. Cottage cheese. 2,446,550, Aug. 10.
- North, James P., Green Bay, Wis. Liquid clarifier. 2,450,522, Oct. 5.
- North & Judd Manufacturing Company, The, assignee: *See*—Frank, Herman M.
- Northam Warren Corporation, assignee: *See*—Erk, Anthony S.
- North American Aviation, Inc., assignee: *See*—Andrews, Anatol N.
Dobbins, John P.
Henrichsen, Knut.
Leitch, Donald M.
Martin, Eric L.
Patch, Arthur C.
Sprague, Robert B., and Berthelson.
Stockton, Oliver L.
Torresen, Carel T.
Villepigue, Julius G.
- North American Cement Corporation, assignee: *See*—Amberg, Charles R., and Knapp.
- North American Rayon Corporation, assignee: *See*—Creswell, Arthur.
- North American Research Corporation, assignee: *See*—Hammann, Carl F.
Metcalf, Arthur G. B.
- Northcutt, Robert T., Westfield, and R. T. Northcutt, Jr., Fanwood, N. J., assignors to Food Concentrates, Inc., New York, N. Y. Preparation of dried fruit products. 2,435,842, Feb. 10.
- Northcutt, Robert T., Jr.: *See*—Northcutt, Robert T. and R. T., Jr.
- Northern Equipment Company, assignee: *See*—Schlieder, Harold A.
- Northern Ordnance Incorporated, assignee: *See*—Hawley, John B., Jr.
- Northern Pump Company, The, assignee: *See*—Gondek, John T.
Kane, Garold A.
- Northey, Elmore H.: *See*—Hultquist, Martin E., and Northey.
- Northey, Elmore H., Bound Brook, and J. S. Webb, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing 2-sulfanilamidopyrazine. 2,444,012, June 22.
- Northfield Iron Company, assignee: *See*—Erickson, Carl E., and Zufelt.

- Northrop Aircraft, Inc., assignee: *See*—
McKellar, John D.
Northrop, John K., and Nagy.
Northrop, John K., Los Angeles, and M. J. Nagy, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Prosthetic wrist. 2,457,316, Dec. 28.
Northrup, Harold B., Johnstown, N. Y. Garment. 2,434,809, Jan. 20.
Northwest Engineering Company, assignee: *See*—
Holloway, John H.
Northwest Plastics, Inc., assignee: *See*—
Diethert, Russell S.
Northwestern University, assignee: *See*—
Cashman, Robert J.
Norton, Charles C., assignee, executor, co-trustee, et al.: *See*—
Lyon, Alfred L.
Norton, Charles L., Jr.: *See*—
Fletcher, James, and Norton.
Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Abrasive materials and manufacturing the same. 2,441,534, May 11.
Norton Company, assignee: *See*—
Beth, Hugo W. H.
Bush, Alonzo O.
Coes, Loring, Jr.
Drown, William L.
Fetterley, Guy H.
Flygare, Carl G.
Flygare, Carl G., and Alvord.
Flygare, Carl G., La Fleur, and Silven.
Foundy, Francis W.
Garside, John I.
Hollstrom, Gunnar E.
Indge, Herbert S.
Jeppson, George N.
Kasparson, Lennart A.
La Fleur, Elphege D.
Marshall, Veikko J.
Nordstrom, Yngve H.
Silven, Herbert A.
Teague, Ernest D.
Van der Pyl, Edward.
Wagner, Herbert W., and Wickstrom.
Norton, James A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorination of hydrocarbons. 2,446,430, Aug. 3.
Norton, James P.: *See*—
Goodhue, William V., and Norton.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electrostatic microwave measuring system. 2,442,614, June 1.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electronic system for measuring microwave transmission through a waveguide. 2,451,769, Oct. 19.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Frequency modulation system. 2,453,453, Nov. 9.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electrostatic microwave energy measuring apparatus. 2,453,532, Nov. 9.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Electrostatic microwave energy measuring apparatus. 2,453,533, Nov. 9.
Norton, Orlo C., Erie, Pa. Centrifugal pump. 2,439,577, Apr. 13.
Norton, Orlo C., Erie, Pa., assignor of twenty-five per cent to Norman I. Book, Kenmore, N. Y. Internal-combustion engine. 2,444,108, June 29.
Norton, Orlo C., and A. E. Hahn, Erie, Pa. Disposal of refuse. 2,447,425, Aug. 17.
Norton, Orrie W., executor: *See*—
Volic, Orville O.
Norway, Harold L.: *See*—
Ruttner, William C., and Norway.
Norwine, Andrew C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code for code modulation transmission. 2,453,454, Nov. 9.
Norwood, Arthur F. B., Dalkeith, Victoria, Australia. Treatment of gold- and silver-bearing ores, residues, and other products. 2,454,336, Nov. 23.
Norwood, Donald W., Pasadena, Calif. Device for use in determining photographic exposures. 2,444,464, July 6.
Nostrip Inc., assignee: *See*—
Johnson, James M.
Notesteln, Edison L., Wayne, and R. J. Rumpf, Dearborn, Mich., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane towing mechanism. 2,443,114, June 8.
Novak, Arthur E., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Synthesizing vitamins in stillage. 2,447,814, Aug. 24.
Novak, George A., Broadview, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Grip for kitchen utensils. 2,457,394, Dec. 28.
Novello, Joseph, San Francisco, Calif. Machine for molding concrete slabs. 2,436,176, Feb. 17.
Novelty Jewelry Corporation, assignee: *See*—
Gruenwald, Andrew.
Novick, William, Brooklyn, N. Y. Soap holding brush. 2,441,898, May 18.
Noville, George O., Van Nuys, assignor to Great American Universal Aircraft Loading Service, Los Angeles, Calif. Apparatus for handling aircraft cargo. 2,441,367, May 11.
Novotney, Arthur R.: *See*—
Johnston, Ralph J., and Novotney.
Nowery, James R., Shreveport, La. Mud mixer. 2,447,202, Aug. 17.
Nowka, Wilfred A., Hastings, Nebr. Kite. 2,437,038, Mar. 2.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Bendix, N. J. Clutch. 2,437,207, Mar. 2.
Noyes, Harry A., Watertown, Mass. Treating apples. 2,443,866, June 22.
Noyes, Harry A., Watertown, Mass. Obtaining concentrates from weak solutions. 2,443,867, June 22.
Noyes, Harry W., West Haven, Conn. Sound-operated toy. 2,443,834, June 22.
Noyes, Stanley E., Los Angeles, Calif. Dental impression composition. 2,434,005, Jan. 6.
Nu-Art Engraving Company, assignee: *See*—
Freund, Clarence H.
Nudelman, Eoina, assignor to Whitehall Publishing Company, Chicago, Ill. Animated toy book. 2,454,669, Nov. 23.
Nudelman, Eoina, Chicago, Ill. Children's amusement device. 2,455,266, Nov. 30.
Nuffer, Joseph H., Toledo, Ohio, and L. H. Latta, Deerfield, Ill., assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Blower control device for suction cleaners. 2,439,182, Apr. 6.
Nugent, Frederick V., Abington, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sole attaching. 2,448,112, Aug. 31.
Null, George W., assignee: *See*—
Simons, Edward W.
Nunes, Edward, San Francisco, Calif. Folding back rest for bleacher seats. 2,445,362, July 20.
Nunes, Robert K., assignee: *See*—
Overton, George N.
Nuodex Products Co., Inc., assignee: *See*—
Fischer, Alfred.
Minich, Arthur.
Nusbaum, Lee, Philadelphia, Pa. Apparatus for filling containers. 2,441,204, May 11.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Carburetor control linkage. 2,436,897, Mar. 2.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,439,630, Apr. 13.
Nutt, Harold, Chicago, Ill., and R. L. Smirl, Detroit, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. Re. 22,967, Jan. 27.
Nutter, Okey K., Jamaica, N. Y. Fish bite signal device. 2,448,681, Sept. 7.
Nutting, Howard S.: *See*—
Pletcher, Donald E., and Nutting.
Nutting, Howard S., and A. R. Sexton, assignors to The Dow Chemical Company, Midland, Mich. Method and catalysts for the production of alkenyl cyanides. 2,436,774, Feb. 24.
Nutting, Robert D., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dielectric material and making same. 2,434,079, Jan. 6.
Nuvoplas Corporation, assignee: *See*—
Casalino, Joseph.
Nyberg, Curt E., Chicago, Ill., assignor to J. F. Barnes, trustee. Baby tender and the like. 2,436,664, Feb. 24.
Nyberg, David, assignee, et al.: *See*—
Klint, Bernard C.
Nyberg, Emma, assignee, et al.: *See*—
Klint, Bernard C.
Nyborg, Tage G., assignor to The Mining Engineering Company, Limited, Worcester, England. Rotary intersecting vane engine and compressor. 2,448,233, Aug. 31.
Nyden, Robert, Manhasset, and H. K. Dickerman, Buffalo, assignors to F. M. Burt Company, Inc., Buffalo, N. Y. End structure for powder cans. 2,442,959, June 8.
Nye, James H., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode line connector system. 2,442,778, June 8.
Nye, Norman H., Cuyahoga Falls, and W. E. Rogers, Stow, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Draw bench carriage. 2,434,006, Jan. 6.
Nye, Norman H., Cuyahoga Falls, and W. E. Rogers, Stow, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Apparatus for surface conditioning wires and the like. 2,444,523, July 6.
Nye, Ralph D., and D. J. Demorest, Columbus, Ohio. Extracting uranium, radium, and vanadium from their ores. 2,442,429, June 1.
Nye-Walt Company, Inc., assignee: *See*—
Bryant, Leslie E.
Fonda, Harold H.
Nygaard, Herman, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Electronic motor control system. 2,454,401, Nov. 23.
Nygard, Erick A., Woonsocket, R. I. Button back. 2,436,323, Feb. 17.
Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,441,121, May 4.

- Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,264, Dec. 28.
- Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,265, Dec. 28.
- Nygren, Carl, assignor to Michiana Products Corporation, Michigan City, Ind. High-temperature fan. 2,457,711, Dec. 28.
- Nyhagen, Barney R., New York, N. Y. Cue tip clamp. 2,453,157, Nov. 9.
- Nylander, Carl H.: *See—*
Kubic, Raymond R., and Nylander.
- Ny-Lint Tool & Mfg. Co.: *See—*
Klint, Bernard C.
- Nyman, Carl R., Washington, D. C. Card separating device. 2,450,442, Oct. 5.
- Nystrom, Axel C.: *See—*
Merwin, Harry H., and Nystrom.
- Nytricia, assignee: *See—*
Algon, Raoul Maurice Georges.
- Nyvall, Yngve J., San Pedro, and T. O. Chapman, Glendale, Calif. Firing mechanism for rifles. 2,441,029, May 4.
- O. K. Ko-Op Rubber Welding System, assignee: *See—*
French, Elby E.
- Oakes, George W., Crystal City, Mo. Combination clamp and closure. 2,451,405, Oct. 12.
- Oakes, Raymond S., Brookfield, Ill. Coin and disk projector for amusement devices. 2,454,939, Nov. 30.
- Oakley, Henry D., Schenectady, N. Y., assignor to General Electric Company. Apparatus for balancing rotors. 2,451,863, Oct. 19.
- Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine drive. 2,444,021, June 22.
- Oakley, Llewellyn C., Jr., Tampa, Fla., assignor to Tennessee Corporation, New York, N. Y. Production of sodium fluosilicate. 2,447,359, Aug. 17.
- Oakley, Thurman, Belleville, Ill., assignor to James R. Kearney Corporation, St. Louis, Mo. Obtaining load and voltage recordings of electrical distribution systems on a single recorder. 2,454,882, Nov. 30.
- Oakley, Thurman, Belleville, and M. J. Westenhaver and R. E. Eggmann, East St. Louis, Ill., assignors to Electronic Tester of Gas Meters, Inc., St. Louis, Mo. Gas meter prover apparatus. 2,448,616, Sept. 7.
- Oberbeck, August L., and J. Martin, Jefferson City, Mo. Internal-combustion engine. 2,444,665, July 6.
- Oberdorf, George S., and T. J. Oberdorf, Chula Vista, Calif. Tether apparatus. 2,437,786, Mar. 16.
- Oberdorf, Thelma J.: *See—*
Oberdorf, George S. and T. J.
- Oberg, Ture T.: *See—*
Hopkins, Werner B., and Oberg.
- Obergfell, Amanda, executrix: *See—*
Henrikson, Oscar W., and Obergfell.
- Obergfell, Herbert F.
Sargisson, Robert L., and Obergfell.
- Obergfell, Herbert F.: *See—*
Sargisson, Robert L., and Obergfell.
- Obergfell, Herbert F., deceased, late of River Forest, Ill., by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone substation set. 2,439,218, Apr. 6.
- Oberman, Lucile M., Escondido, Calif. Canning rack. 2,436,524, Feb. 24.
- Obernauer, William, assignor to E. Jacobson, New York, N. Y. Sealing and carrying device. 2,452,485, Oct. 26.
- Obert, Maximilian J., North Merchantville, N. J., assignor to Radio Corporation of America. Securing leads to electrical capacitors. 2,455,136, Nov. 30.
- Oberwegner, Alfred R., Los Angeles, Calif. Turret tool post. 2,438,644, Mar. 30.
- Oberwegner, Alfred R., Los Angeles, Calif. Adjustable socket wrench. 2,443,774, June 22.
- Oblad Alex G.: *See—*
Houston, Victor E., and Oblad.
- Oblad, Alex G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating olefins from hydrocarbon mixtures. 2,436,698, Feb. 24.
- Oblad, Alex G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of cyclohexane. 2,440,414, Apr. 27.
- Oblad, Alex G., and E. R. Boedeker, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Preparation of catalysts. 2,446,100, July 27.
- O'Boyle, Charles M., assignee: *See—*
Stultz, Posy G.
- Obrecht, Paul: *See—*
Bender, Harry, Obrecht, and Kling.
- O'Brien, Daniel P., Stamford, Conn. Explosives. 2,451,864, Oct. 19.
- O'Brien, Edgar, assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Adjustable inductor. 2,452,676, Nov. 2.
- O'Brien, James E., Cleveland, Ohio. Coaling chute. 2,453,253, Nov. 9.
- O'Brien, James E., Cleveland, Ohio. Locomotive coaling apparatus. 2,456,308, Dec. 14.
- O'Brien, John C.: *See—*
Knapp, James W., and O'Brien.
- O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Radio transmitting system. 2,441,504, May 11.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Simplified feed unit for serially-connected wiring units. 2,436,775, Feb. 24.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Connector unit for electric conduits. 2,447,026, Aug. 17.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Conduit receptacle. 2,450,908, Oct. 12.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Back connection feed unit. 2,451,506, Oct. 19.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical outlet receptacle device. 2,451,507, Oct. 19.
- O'Brien, William A., Fostoria, Ohio. Control means for cupola furnaces. 2,443,960, June 22.
- O'Brien, William J., assignor to E. F. Andrews, Chicago, Ill. Gas tube controlled relay circuits. 2,442,430, June 1.
- O'Brien, William J., assignor to E. F. Andrews, Chicago, Ill. Dynamoelectric machine. 2,450,982, Oct. 12.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,438,573, Mar. 30.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio-frequency navigation system. 2,440,755, May 4.
- O'Brien, William J., London, assignor to The Decca Record Company, Limited, London, S. W. 9, England. Radio direction finder. 2,449,175, Sept. 14.
- O'Brien, William J., Los Angeles, Calif., assignor to The Decca Record Company, Limited, London, England. Antenna supply phase and amplitude control. 2,449,174, Sept. 14.
- O'Brien, William J., assignor to The Seamless Rubber Company, New Haven, Conn. Adhesive material. 2,451,865, Oct. 19.
- Obrist, Heinrich, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Control means for variable-pitch propellers. 2,441,838, May 18.
- Obuchowski, Jan, Stamford, Conn. Musical automatic finger exercising machine. 2,438,820, Mar. 30.
- Ocean City Manufacturing Company, assignee: *See—*
Hirsch, Stephen G.
- Och, Henry G.: *See—*
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
- Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Reciprocal actuator. 2,441,505, May 11.
- O'Clair, Norman W., Somerville, Mass. Self-contained portable film developing apparatus. 2,452,389, Oct. 26.
- Ocon, Cecilio L. and E. A.: said C. L. Ocon assignor to said E. A. Ocon, Yonkers, N. Y. Catalytic alkylation process for the manufacture of high antiknock gasoline. 2,441,249, May 11.
- Ocon, Ernest A.: *See—*
Ocon, Cecilio L. and E. A.
- O'Connell, Joseph, Kensington, Victoria, Australia. Apparatus for the molding of butter and like products. 2,451,301, Oct. 12.
- O'Connell, Richard A., Jr., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Thread advancing, storage, and stretching reel. 2,439,903, Apr. 20.
- O'Connor, Arthur F., Chicago, Ill. Writing instrument. 2,440,829, May 4.
- O'Connor, Arthur F., Chicago, Ill. Railway car end wall. 2,440,830, May 4.
- O'Connor, John C., Dayton, Ohio. Apparatus for transmitting intense vibrations for performing work. 2,439,219, Apr. 6.
- O'Connor, John M.: *See—*
Farris, Michael O., O'Connor, and Gottschalk.
- O'Daniel, John W., Newark, Del. Battle sled. 2,448,545, Sept. 7.
- Ödberg, John A. B., Soderfors, Sweden. Production of carbon monoxide. 2,447,426, Aug. 17.
- O'Dea, Frederick N., assignor of one-third to N. O'Dea and one-third to M. O'Dea, Baltimore, Md. Headrest. 2,434,007, Jan. 6.
- O'Dea, Marie, assignee, et al.: *See—*
O'Dea, Frederick N.
- O'Dea, Nora, assignee, et al.: *See—*
O'Dea, Frederick N.
- Odegaard, Norman N. O., McHenry, N. Dak. Steerable wheel shock absorber. 2,450,015, Sept. 28.
- Odell, George W., Rutherford, N. J. Means for use in computing elapsed time and the like. 2,454,711, Nov. 23.
- Oden, Knut, assignor to Aktiebolaget Hadar Schmidt, Stockholm, Sweden. Postal franking machine. 2,456,309, Dec. 14.

- Oden, William L., Nashville, Tenn. Airplane landing gear. 2,435,459, Feb. 3.
- Odessey, Paul H., Great Neck, N. Y., assignor to Raytheon Manufacturing Company, Newton, Mass. Stabilizer for alternating current line regulators. 2,436,822, Mar. 2.
- Odey, Ralph E., assignor to The Deming Company, Salem, Ohio. Connecting a driving motor to the shaft of a rotary pump. 2,445,182, July 13.
- Odin, Frank W., Chicago, Ill., assignor to Syndicate Glass, Inc., Indianapolis, Ind. Rockable shelf bracket. 2,453,254, Nov. 9.
- Oding, Carl A., Alameda, Calif. Fastening replacement means. 2,446,189, Aug. 3.
- Oding, Carl A., Alameda, Calif. Inflatable leak stopper. 2,446,190, Aug. 3.
- Odum, William H., Wilmette, assignor to Duro Metal Products Co., Chicago, Ill. Welded joint. 2,447,085, Aug. 17.
- O'Donnell, Roland E., Midland, Tex. Liner setting and cementing tool. 2,436,525, Feb. 24.
- Odor, Ralph K., Edmond, assignor to The Vornado Trust, Oklahoma City, Okla. Mounting for fan assemblies. 2,451,970, Oct. 19.
- Oechsli, Konrad, assignor to Aktiengesellschaft fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,453,928, Nov. 16.
- Oehler, William P., assignor to Deere & Company, Moline, Ill. Two-part sprocket. 2,451,690, Oct. 19.
- Oehser, Edward M.: *See—*
Salisbury, Robert H., and Oehser.
- Oertel, Carl H., Baltimore, Md. Colloid dental tray. 2,452,866, Nov. 2.
- Oertle, Lawrence C., assignor to La Ray Engineering and Equipment Co., Inc., Milwaukee, Wis. Gantry. 2,449,501, Sept. 14.
- Oeth, Earl W., assignor of one-third to R. A. Oeth, Evansville, Ind. Trailer for boat handling. 2,451,236, Oct. 12.
- Oeth, Ruby A., assignee: *See—*
Oeth, Earl W.
- Oetjen, Howard H., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric room heater. 2,440,018, Apr. 20.
- Oetzel, John G., assignor to Warner Electric Brake Manufacturing Company, Beloit, Wis. Solenoid with armature. 2,448,727, Sept. 7.
- Ofeldt, Frank W., assignor to Homestead Valve Manufacturing Company, Coraopolis, Pa. Multiple spark circuit. 2,456,076, Dec. 14.
- Office Furniture & Fixtures, Inc., assignee: *See—*
Blazey, Lawrence E.
- Office of Scientific Research and Development, United States of America, as represented by Director of, assignee: *See—*
Forbes, Theodore W.
- Strumla, Max M.
- Offner, Franklin, Chicago, Ill. Electrical treatment apparatus and control. 2,438,875, Mar. 30.
- Ofstedahl, Edwin N., Chicago, Ill. Meat product and process. 2,447,427, Aug. 17.
- Ogan, Elmer B., Charlotte, N. C. Tail set harness. 2,450,379, Sept. 28.
- Oganowski, Kasimir, Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Improving the adherence of aluminum coatings. 2,437,919, Mar. 16.
- Ogden, Ashley G., assignor to W. W. Darsie, Baltimore, Md. Photographic composing machine having a plurality of sets of character bearing slides. 2,441,899, May 18.
- Ogden, Floyd H.: *See—*
Heimlich, Milton, and Ogden.
- Ogden, Floyd H., Arlington, assignor to F. L. & J. C. Codman, Rockland, Mass. Manufacture of abrading elements. 2,450,859, Oct. 5.
- Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Traction motor control system. 2,451,237, Oct. 12.
- Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Protective system for electric motors. 2,456,427, Dec. 14.
- Ogden, William J., assignor to Papee Machine Company, Shortsville, N. Y. Metal forming machine. 2,442,859, June 8.
- Ogden, William L. W., Baltimore, Md., and W. R. Ryan, Fairfield, Conn., assignors to Bendix Aviation Corporation, South Bend, Ind. Pressure switch. 2,437,473, Mar. 9.
- Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Differential electromagnet having snap action. 2,436,224, Feb. 17.
- Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Apparatus for the manufacture of abrasive webs. 2,456,985, Dec. 21.
- Oglesby, Sabert, Jr.: *See—*
Kemler, Emory N., Pease, and Oglesby.
- Ogorzaly, Henry J.: *See—*
Laughlin, Kenneth C., and Ogorzaly.
- Ogorzaly, Henry J., Summit, and W. P. Lakin, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for contacting solids with gaseous fluids. 2,436,225, Feb. 17.
- O'Grady, Kathleen E., Chicago, Ill. Garment hanger. 2,457,486, Dec. 28.
- Ogren, Oscar H., Rockford, Ill. Single blank container for paper sheets. 2,450,558, Oct. 5.
- Ogren, Sexton P. F., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,435,321, Feb. 3.
- O'Hara, Charles M., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for continuously determining thickness and hardness of metallic strip. 2,441,283, May 11.
- O'Hara, Alvin F., Erie, Pa. Hydraulic pump. 2,453,929, Nov. 16.
- O'Harrow, Charles T., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vehicle running gear. 2,442,903, June 8.
- Ohio Brass Company, The, assignee: *See—*
Birch, Leland W.
- Bovard, William P.
- Taylor, John J.
- Taylor, John J., and Ross.
- Ohio Crankshaft Company, The, assignee: *See—*
Somes, Howard E.
- Somes, Howard E., and Purvin.
- Strickland, Harold A., Jr.
- Warnick, Alan.
- Ohio Rubber Company, The, assignee: *See—*
Meyers, George L., and Shutt.
- Ohio Steel Foundry Company, The, assignee: *See—*
Jackson, Harold F.
- Ohio-Kentucky Manufacturing Company, assignee: *See—*
Sonnert, William J., and Stobbe.
- Ohio State University Research Foundation, The, assignee: *See—*
Henne, Albert L.
- Lidington, Robert W.
- Smith, Edward P.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device and making it. 2,437,269, Mar. 9.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating device. 2,441,590, May 18.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light-sensitive electric device including silicon. 2,443,542, June 15.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating device. 2,444,060, June 29.
- Ohler, Albert A., Detroit, Mich. Fastener for tying elements. 2,436,935, Mar. 2.
- Ohls, Robert L., Houston, Tex. Pipe coupling. 2,451,354, Oct. 12.
- Ohlson, Clas, Insjon, Sweden. Cooking vessel with automatic pressure regulation. 2,446,605, Aug. 10.
- Ohlson, Reynold A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch actuating mechanism. 2,455,799, Dec. 7.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall bracket electric light fixture. 2,456,792, Dec. 21.
- Ohman, Karl Y., Saltsjobaden, assignor to Svenska Akkumulator Aktiebolaget Jungner, Stockholm, Sweden. Lens system with chromatic aberration and without noticeable magnification. 2,456,728, Dec. 21.
- Ohlman, Gustav V.: *See—*
Magnusson, Folke G. R., and Ohlman.
- Ohr, Albert P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Machine for removing burrs from gears. 2,441,078, May 4.
- Ohso, Ernest O.: *See—*
Waterman, Wendell W., and Ohso.
- Oil Center Tool Company, assignee: *See—*
Penick, Arthur J.
- Oil Distribution Appliances Limited, assignee: *See—*
Elliott, Peter M.
- Oil Equipment Manufacturing Corporation, The, assignee: *See—*
Kaufman, Daniel.
- Molaver, Harry.
- Oilfields Service Co., assignee: *See—*
Smith, Fred D.
- Oilgear Company, The, assignee: *See—*
Douglas, James K.
- Ferris, Walter.
- Wege, Ervin C.
- Oiljak Manufacturing Co., Inc., The, assignee: *See—*
Padelford, Lester E.
- Oil Well Supply Company, assignee: *See—*
Keim, Charles J.
- Mohnkern, Charles L.
- O'Keeffe, George W., Elkins Park, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Cloth steamer. 2,443,990, June 22.
- O'Kelly, Arlie A., Woodbury, N. J., and R. H. Work, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of aromatic hydrocarbons by contact with heat-stable metal halide catalysts. 2,436,151, Feb. 17.
- O'Kelley, John F., Dallas, Tex. Hood and fender jig. 2,446,487, Aug. 3.
- Okonite-Callender Cable Company, Incorporated, assignee: *See—*
Bennett, Charles E., and White.

- Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Bennett, Charles E., and White.
- Okrain, Lazar, New York, N. Y. Xylophone. 2,454,402, Nov. 23.
- Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency conductor. 2,434,509, Jan. 13.
- Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic device. 2,454,337, Nov. 23.
- Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,456,858, Dec. 21.
- Okress, Ernest C., Montclair, N. J., and P. Kusch, New York, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coupling device. 2,434,508, Jan. 13.
- Olafson, Alvin O., St. Paul, Minn. Traffic actuated signal controller. 2,448,113, Aug. 13.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Car-end platform buffing mechanism. 2,449,135, Sept. 14.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,452,677, Nov. 2.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,453,255, Nov. 9.
- O'Leary, Rudolph, Rego Park, and G. Vollet, Freeport, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Electron gun for cathode-ray tubes. 2,436,264, Feb. 17.
- Olcott, Charles A., West Milford, N. J. Curb syrup separator. 2,441,368, May 11.
- Olcott, Charles A., West Milford, N. J. Fluid pressure operated curb sirup separator. 2,452,207, Oct. 26.
- Olcott, Charles A., West Milford, N. J. Speed responsive brake for deceleration of centrifugal machines. 2,453,854, Nov. 16.
- Olcott, Harold S.: *See*—
Fraenkel-Conrat, Heinz L., Humfeld, Lewis, Dimick, and Olcott.
- Olcott, Harold S., and James C. Lewis, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Glutamic acid-free protein hydrolysate and the production thereof. 2,434,715, Jan. 20.
- Olcott, Harold S., and Heinz L. Fraenkel-Conrat, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of gramicidin. 2,453,534, Nov. 9.
- Olcott, James, and A. C. Hoffman, assignors to United Aircraft Products, Inc., Dayton, Ohio. Fluid flow-regulator. 2,440,059, Apr. 20.
- Old, Aubrey M., executor, et al.: *See*—
Nightingall, Victor C. J.
- Oldershaw, Charles F.: *See*—
Heitz, Robert G., and Oldershaw.
- Oldham, Henry V., McRoberts, Ky. Undergarment. 2,455,604, Dec. 7.
- Olds, Earl M., Jr., Van Nuys, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic apparatus. 2,453,031, Nov. 2.
- O'Leary, Jerry, Cleveland, assignor of one-fourth to M. B. Baubach, Norwood, Ohio. Automobile tire guard. 2,447,428, Aug. 17.
- Oles, Herbert E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making spark gaps and products thereof. 2,440,153, Apr. 20.
- Oles, Herbert E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Spark gap. 2,440,154, Apr. 20.
- Olesky, Anthony P., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Push-button tuning control. 2,438,763, Mar. 30.
- Olesky, Anthony P., Chicago, Ill., assignor to Belmont Radio Corporation. Magnetic-core inductance device. 2,448,190, Aug. 31.
- Oleson, Wrisley B., trustee, et al.: *See*—
Kraybill, Henry R., and Beadle.
- Olin Industries, Inc., assignee: *See*—
Berwick, John D.
Burlte, Jerome G., and Brandt.
Franz, Arvel O., and Keplinger.
Kopp, Walter R.
Koppelman, Morris D.
Mitchell, Edmund G., and Timberman.
Reinhardt, Otto K., and Fallon.
Warner, Clifford H.
Wilson, Golder P.
Wilson, Golder P., MaNair, and Waters.
- Olin, John F.: *See*—
Eaton, John L., and Olin.
Robinson, Correl N., Jr., and Olin.
- Olin, John F., Grosse Ile, and J. L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,434,510, Jan. 13.
- Olin, Norman E., New York, N. Y. Picture frame. 2,449,907, Sept. 21.
- Oliver, Benton A., Bloomington, Ind. Land anchor. 2,455,800, Dec. 7.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generation circuit. 2,433,863, Jan. 6.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric pulse delay circuit. 2,435,598, Feb. 10.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control voltage means in pulse receiver. 2,451,632, Oct. 19.
- Oliver, Charles C.: *See*—
Johnson, Avin C., Oliver.
- Oliver Corporation, The, assignee: *See*—
Gemberling, Cameron H.
Stewart, Milford D.
- Oliver, Herbert F., West Springfield, assignor to The F. W. Sickles Company, Chicopee, Mass. Securing device. 2,450,252, Sept. 28.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Roughening machine. 2,437,753, Mar. 16.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun primer mechanism. 2,457,266, Dec. 28.
- Oliver, Ralph J., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,444,109, June 29.
- Oliver, Sheffield F., Auburn, Calif. Sitz bath. 2,450,607, Oct. 5.
- Oliver United Filters Incorporated, assignee: *See*—
Denhard, Harry W., Brittain, and Serpas.
- Oliver, Wilbur C., assignor to Adel Precision Products Corp., Burbank, Calif. Hydraulic lock. 2,453,855, Nov. 16.
- Olivier, Benjamin, New York, N. Y. Cigarette receptacle and dispenser. 2,434,222, Jan. 6.
- Olivier, Jules A., Grosse Pointe Farms, and W. E. George, Detroit, Mich. Convertible automobile top. 2,434,332, Jan. 13.
- Olney, Nathaniel M., assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming die. 2,440,809, May 4.
- Olney, William H., Youngstown, Ohio. Trailer hitch. 2,452,785, Nov. 2.
- O'Loughlin, Charles E. A., St. Paul, Minn. Gauge knife. 2,438,517, Mar. 30.
- Olsen, Arnold O., Brooklyn, N. Y. Brush cleaning device. 2,449,818, Sept. 21.
- Olsen, Gustav A., assignor to Albertson & Company, Inc., Sioux City, Iowa. Abrasive disc holder. 2,439,751, Apr. 13.
- Olsen, Ivan, Muskegon, Mich. Mold for producing crankshafts. 2,454,712, Nov. 23.
- Olsen, Leif C., Newcastle-on-Tyne, England. Synchronizing device. 2,451,691, Oct. 19.
- Olsen, Marvin R., Glen Ellyn, assignor to Justrite Manufacturing Company, Chicago, Ill. Window clamp. 2,457,317, Dec. 28.
- Olsen, Robert I., U. S. Navy. Low-temperature engine starting aid. 2,452,597, Nov. 2.
- Olsen, Rodney H., Racine, Wis. Electroplating apparatus. 2,447,270, Aug. 17.
- Olsen, Thorsten Y., assignee: *See*—
Sundby, Harold C.
- Olsen, Tinius, Testing Machine Company, assignee: *See*—
Moran, William C.
- Olson, Andrew R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vaporizer. 2,456,889, Dec. 21.
- Olson, Arthur A., Youngstown, Ohio. Combined building structure and heating system. 2,445,920, July 27.
- Olson, Carl A., East Rockford Station, Ill. Closure control. 2,447,271, Aug. 17.
- Olson, Carl-Axel, Sunne, Sweden. Fluid pressure operated vise. 2,443,775, June 22.
- Olson, Carl M., Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrolyzable titanium solutions. 2,452,390, Oct. 26.
- Olson, Elmer: *See*—
Hieger, Robert H., Olson, and Udale.
- Olson, Elmer, Ferndale, and S. M. Udale, Detroit, Mich., assignors to G. M. and E. Holley. Safety device. 2,441,369, May 11.
- Olson, Eric, Beloit, Wis. Razor blade sharpener. 2,440,520, Apr. 27.
- Olson, Frederick F., Sudbury, and Frank J. MacDonald, Brookline, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Method for making heat-molded articles containing fabric reinforcements. 2,448,114, Aug. 31.
- Olson, Frederick F., Sudbury, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Close-fitting boot. 2,455,801, Dec. 7.
- Olson, Harry F., Princeton, and J. Preston, Hopewell, N. J., assignors to Radio Corporation of America. Method and apparatus for noise control of reproduced sound. 2,457,712, Dec. 28.
- Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring arbor. 2,436,526, Feb. 24.
- Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Automatic poultry waterer. 2,435,015, Jan. 27.
- Olson, John W.: *See*—
Bechle, Charles W., and Olson.
- Olson, John W., Hastings-on-Hudson, N. Y., and C. W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company. Bituminous flame resistant compositions and articles coated therewith. 2,442,706, June 1.

- Olson, John W., Hastings-on-Hudson, N. Y., and C. W. Beehle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company. Bituminous flame resistant compositions, and articles coated therewith. 2,442,707, June 1.
- Olson, Malven L., and E. A. Berger, Indianapolis, Ind., assignors to Union Carbide and Carbon Corporation. Backfire arrester and flashback preventer. 2,447,086, Aug. 17.
- Olson Manufacturing Company, assignee: *See*—Hall, Howard E.
- Olson, Nels L., Detroit, Mich. Combined toilet seat and cover. 2,434,249, Jan. 13.
- Olson, Olaf P.: *See*—Hoffman, Widof J.
- Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Pasteurizing system. 2,455,605, Dec. 7.
- Olson, Robert V., and B. A. Johnson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation. Cop holder. 2,448,457, Aug. 31.
- Olsson, Paul: *See*—Graybill, Howard W., and Olsson.
- Olstad, Martin H., Port Washington, and A. E. Williams, White Plains, assignors to Niagara Blower Company, Buffalo, N. Y. Apparatus for cooling compressed gases. 2,454,883, Nov. 30.
- Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,451,508, Oct. 19.
- Olvis, James E., Glendale, Calif. Combined door holder and burglar alarm. 2,447,526, Aug. 24.
- Olvis, James E., Glendale, Calif. Window operable burglar alarm. 2,447,527, Aug. 24.
- Oman, Carl, Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impulse transmitter for metering systems. 2,451,971, Oct. 19.
- O'Meara, James P., assignor to W. M. Sprinkman Corporation, Milwaukee, Wis. Filter. 2,452,486, Oct. 26.
- O'Meara, Thomas J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Polarized electrical relay. 2,454,713, Nov. 23.
- Omega Machine Company, assignee: *See*—Harper, Lynous E.
- Omelina, Michael P., Cudahy, Wis. Ash tray. 2,453,256, Nov. 9.
- Omohundro, Allen L., Wilton, and E. C. Fanto, Fairfield, assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Abietate ester hair dressing. 2,440,555, Apr. 27.
- Omohundro, Arthur S., Temple City, Calif. Fishhook holder. 2,448,728, Sept. 7.
- O'Neil, Harold D., Hatboro, Pa. Hydrostatic testing device. 2,450,909, Oct. 12.
- O'Neil, John G., assignee: *See*—Zesbaugh, Lawrence G.
- O'Neil, William, assignee: *See*—Roberts, Gerald G.
- O'Neil, William M., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Manual unshift mechanism. 2,456,729, Dec. 21.
- O'Neill, Edward M., assignor to Union Machine Company, San Francisco, Calif. Mixing apparatus. 2,438,574, Mar. 30.
- O'Neill, Harry T., Taunton, Mass., assignor to the United States of America as represented by the Secretary of War. Cathode structure. 2,452,786, Nov. 2.
- Onsrud Machine Works, Inc., assignee: *See*—Groen, Willem, and Onsrud.
- Onsrud, Rudolf F.: *See*—Groen, Willem, and Onsrud.
- Onyx Oil & Chemical Company, assignee: *See*—Mosher, Hugh H., and Howard.
- Onzay, Leslie, Irvington, N. J. Typewriter ribbon reinking attachment. 2,441,973, May 25.
- Oosterhout, Johan C. D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Removing acid components from organic liquids. 2,439,670, Apr. 13.
- Openshaw, James A., Southampton, assignor to Stanley Home Products, Inc., Westfield, Mass. Apparatus for making brushes. 2,442,661, June 1.
- Operadio Manufacturing Co., assignee: *See*—Crane, Webster O.
- Stone, John M.
- Opitz, Fred W., Chicago, Ill. Liquid dispensing device. 2,453,856, Nov. 16.
- Opotow, Nathan, New York, N. Y. Dental flask. 2,440,910, May 4.
- Opotow, Nathan, New York, N. Y. Dental flask. 2,448,115, Aug. 31.
- Oppegard, Parnell H., McIntosh, Minn. Snow plow. 2,437,116, Mar. 2.
- Oppel, John A., Upper Darby, Pa., assignor to General Electric Company. Electric switch. 2,438,373, Mar. 23.
- Oppenheimer, Franz: *See*—Levinson, Sidney O., and Oppenheimer.
- Oppen, Anita V. L., New York, N. Y., and W. P. ter Horst, Little Silver, N. J., assignors to Virginia Carolina Chemical Corporation, Richmond, Va. Recovery of protein from proteinous materials. 2,450,810, Oct. 5.
- Opperman, Harry E., Jr.: *See*—Opperman, Harry E., Sr., and H. E., Jr.
- Opperman, Harry E., Sr., and H. E., Jr., Los Angeles, Calif. Pessary. 2,440,521, Apr. 27.
- Oppold, Harry E., Sterling, Ill. Recoil absorber for firearms. 2,455,438, Dec. 7.
- Orain, Francois M., Saint Cloud, France. Coupling device. 2,444,666, July 6.
- Oravetz, Albert S., New York, N. Y. Electronic power tube tester. 2,440,287, Apr. 27.
- Orban, Charles, Detroit, Mich. Dispensing pill box. 2,436,075, Feb. 17.
- Orchard Industries, Inc., assignee: *See*—Thompson, Richard A., Eriksson, and Carlson.
- Orcholl, James A.: *See*—Bessler, Edward T., and Orcholl.
- O'Rear, George M., United States Navy. Aerial bomb. 2,450,910, Oct. 12.
- Orefraction Incorporated, assignee: *See*—Horsfield, Basil.
- Wiegand, Edwin L.
- O'Reilly, Martin G., assignor to Ford Roofing Products Company, Chicago, Ill. Lock shingle. 2,447,466, Aug. 17.
- Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Two-way plow. 2,440,782, May 4.
- Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Dump cart. 2,437,890, Mar. 16.
- Oriani, Richard A.: *See*—Skow, Norman A., Seiler, Oriani, and Whitaker.
- Orinik, Michael T., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Solution consisting of a polymeric N-vinyl pyrrole compound and chloroform. 2,453,097, Nov. 2.
- Oriold, Joseph, Toronto, Ontario, Canada. Telescoping post. 2,442,779, June 8.
- Orlob, Glenn, Seattle, Wash., assignor to Boeing Airplane Company. Cam-controlled pressure regulator. 2,445,183, July 13.
- Orlove, Max, assignor of one-half to C. Schiffman, New York, N. Y. Electronic tube. 2,443,324, June 15.
- Orlove, Max, assignor to Smith Industries, Chicago, Ill. Photoelectric tube. 2,453,810, Nov. 16.
- Ormond, Clyde, Rigby, Idaho. Collapsible boat. 2,451,866, Oct. 19.
- Ornstein, Harry, assignee, et al.: *See*—Selden, Herman.
- O'Rourke, Charles P.: *See*—Lutz, Frederick G.
- Orozco, Gilbert H., Euclid, assignor to G. H. Orozco and R. A. Whitbeck, partners doing business as Gilron Products Company, Cleveland, Ohio. Anodic cleaning. 2,437,474, Mar. 9.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Speed density carburetor. 2,446,339, Aug. 3.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Speed density carburetor. 2,446,340, Aug. 3.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Gas turbine control. 2,457,595, Dec. 28.
- Orr, Eleanor A.: *See*—Orr, San W. and E. A.
- Orr, Franklin M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company. Elizabeth, N. J. Operation of a fluid catalytic conversion unit. 2,456,310, Dec. 14.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,440,613, Apr. 27.
- Orr, San W. and E. A., Madison, Wis. Thumb sucking inhibitor or novelty device. 2,442,176, May 25.
- Orser, Keith L., assignor to Columbian Rope Company, Auburn, N. Y. Electrical conductor. 2,456,015, Dec. 14.
- Orser, William D., assignor to Eastman Kodak Company, Rochester, N. Y. Periscope lens system. 2,453,336, Nov. 9.
- Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Hydraulic drive control mechanism for vehicles. 2,446,242, Aug. 3.
- Orshansky, Elias, Jr., New York, N. Y., assignor to The Acrotorque Company, Stamford, Conn. Hydraulic transmission. 2,456,077, Dec. 14.
- Orström, Gustaf: *See*—Ekström, Gunnar, and Orström.
- Orström, Gustaf, Alsten, Sweden, assignor to Arenco Aktiebolag. Bag feeding machine with bag opening and expanding means. 2,437,117, Mar. 2.
- Orthoefer, Richard H., Jr.: *See*—Love, Lee C., and Slauter, and Orthoefer.
- Orthwin, Sidney O., Dayton, Ohio. Hem marker. 2,446,319, Aug. 3.
- Ortleb, Douglas, St. Louis, Mo. Ink agitator. 2,447,868, Aug. 24.
- Orton, Kenneth L., St. Paul, Minn. Fish stringer retainer. 2,453,381, Nov. 9.
- Orton, Merritt K., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,439,370, Apr. 6.
- Orzabal, Raul M., Buenos Aires, Argentina. Self-starting synchronous electric motor. 2,441,079, May 4.
- Osborn, Hans, Port Washington, N. Y. Electrolytically zinc plating magnesium and magnesium base alloys. 2,437,612, Mar. 9.
- Osborn, Jesse C., Carlye, Ill. Manufacturing of capillary tubing. 2,434,008, Jan. 6.

- Osborn Manufacturing Company, The, assignee: *See*—
Abbrecht, Herman R.
Benyak, John B.
Peterson, Ruben O.
- Osborn, William H.: *See*—
Kingsbury, Albert, and Osborn.
- Osborne, Eugene F., Peach Bottom, Pa. Turbine engine. 2,446,847, Aug. 10.
- Osborne, Fred H., Snyder, N. Y., assignor to the Rudolph Wurlitzer Company, Chicago, Ill. Selector device for vending machines. 2,443,925, June 22.
- Osborne, Harry E., Shillington, Pa., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of open-toe shoes. 2,435,051, Jan. 27.
- Osborne, Marianne R.: *See*—
Chappell, Joseph J., and Osborne.
- Osborne, Ronald R., and E. G. Dunsford, Farnborough, England, assignors to the Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Apparatus for testing the operation of oxygen supply equipment for aircraft. 2,457,713, Dec. 28.
- Osborne, Sidney G., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Apparatus for compressing highly reactive gases. 2,452,526, Oct. 26.
- Oserowsky, Harold L., Bay City, Mich. Valve puller. 2,450,293, Sept. 28.
- Osgood, Charles F., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,452,082, Oct. 26.
- Osman, Ertogroul: *See*—
Alvarez, Octavio J., and Osman.
- Osman, Lee E., Marblehead, Mass., assignor to General Electric Company. High temperature alloy. 2,442,209, May 25.
- Osman, Ralph T., Whitefish Bay, Wis. Recurrent motion abrader. 2,441,508, May 11.
- Osofsky, Irving B., Buffalo, N. Y. Heat exchanging airplane propeller. 2,455,313, Nov. 30.
- Ospack, Joseph J., Detroit, assignor to Vinco Corporation, Detroit, Mich. Apparatus for dressing involute profiles. 2,434,810, Jan. 20.
- Ost, Clarence S., Atlantic City, N. J. Stop for dial indicators. 2,440,522, Apr. 27.
- Ost, William R., Verona, N. J., assignor to Walworth Patents Inc., Boston, Mass. Pipe joint. 2,448,907, Sept. 7.
- Osten, Reuben A., Wilmington, Del., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Manometer. 2,438,228, Mar. 23.
- Ostendorf, Bernard, Jr.: *See*—
Bascom, Henry M., Massonneau, Ostendorf, and Rea.
- Oster, John, Manufacturing Company, assignee: *See*—
Bylund, Eric.
- Osterberg, Harold, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for treating surfaces. 2,433,922, Jan. 6.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Heat storage control system. 2,450,983, Oct. 12.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,456,143, Dec. 14.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,456,144, Dec. 14.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder. 2,456,162, Dec. 14.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,457,596, Dec. 28.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater. 2,457,597, Dec. 28.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric air heater. 2,457,598, Dec. 28.
- Osterhof, Harold J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride film. 2,441,328, May 11.
- Osterhoudt, Walter J., Houston, Tex. Shock absorber. 2,450,154, Sept. 28.
- Osterlund, Soren B.: *See*—
De Giers, Clarence A., and Osterlund.
- Osterman, Joseph T.: *See*—
Erickson, Alvah O., and Osterman.
- Osterman, Joseph T., Northampton, and A. O. Erickson, Springfield, assignors to American Bosch Corporation, Springfield, Mass. Making electric coils. 2,434,511, Jan. 13.
- Osterman, Joseph T., Northampton, assignor to American Bosch Corporation, Springfield, Mass. Converter for ignition systems. 2,434,714, Nov. 23.
- Ostermayer, Robert W.: *See*—
Campbell, Charles H., and Ostermayer.
- Ostheimer, Frank C., Villa Platte, La. Inclinator. 2,442,265, June 29.
- Ostler, Virgil F., assignor to Lewis Equipment and Supply Company, Denver, Colo. Tire casing vulcanizer. 2,438,677, Mar. 30.
- Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Automatic telephone system having rating independent of routing. 2,437,118, Mar. 2.
- Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Rate-based restricted service telephone system. 2,445,000, July 13.
- Ostolaza, Frank, Florissant, and G. E. Holmes, assignors to Mexican American Hat Company, St. Louis, Mo. Head band connector. 2,445,921, July 27.
- Ostolaza, Frank, Florissant, and G. E. Holmes, assignors to Mexican American Hat Company, St. Louis, Mo. Adjustable hat band. 2,445,922, July 27.
- Ostrader, Eugene C.: *See*—
Leberknight, Charles E., and Ostrader.
- Ostrander, Charles W.: *See*—
Thomas, Robert M., Ostrander and Kaelin.
- Ostrander, John K., Philadelphia, Pa. Liquid rheostat. 2,447,087, Aug. 17.
- Ostrom, Carl B., and C. S. Schopmeyer, Lake City, Fla.; dedicated to the free use of the people in the territory of the United States. Increasing and prolonging the flow of oleoresin from trees. 2,435,724, Feb. 10.
- Ostrom, Lawrence B., assignee: *See*—
Lomelino, George F.
- O'Sullivan, Eugene, Chislehurst, England. Scaffolding and like structures. 2,452,487, Oct. 26.
- O'Sullivan, Frederick J., and W. B. du Pont, deceased, by M. A. du Pont, administratrix, assignors to The National Radiator Company, Johnstown, Pa. Heat exchanger. 2,452,391, Oct. 26.
- Oswald, Louis, Los Angeles, Calif. Land leveler. 2,440,642, Apr. 27.
- Oswald, Nina C., New York, N. Y. Infant's garment. 2,441,900, May 18.
- Oswald, Olaf, Honolulu, Hawaii. Carburetor. Re. 22,962; Jan. 6.
- Otis, Carl W., Rockville Centre, assignor to Noma Electric Corporation, New York, N. Y. Method and means for molding plastic objects. 2,436,597, Feb. 24.
- Otis Elevator Company, assignee: *See*—
Bruns, William H.
Krauer, Otto A.
Watson, Gavin, Bruns, and Galanty.
- Otis, Harold J., New Orleans, and J. Hesse, Gretna, La., assignors to Johns-Manville Corporation, New York, N. Y. Manufacture of cementitious sheets. 2,446,782, Aug. 10.
- O'Toole, Floyd F., L'Anse, Mich. Occupant propelled roundabout. 2,447,203, Aug. 17.
- Ott, Harvey N., Buffalo, N. Y. Fine adjustment of microscope objective. 2,439,525, Apr. 13.
- Ott, Harvey N., Buffalo, N. Y. Adjustable microscope eyepiece mounting. 2,439,526, Apr. 13.
- Ott, Harvey N., Buffalo, N. Y. Knife holder for microtomes. 2,439,671, Apr. 13.
- Ott, Harvey N., Buffalo, N. Y. Rotatable microscope eyepiece mounting and guard means therefor. 2,453,257, Nov. 9.
- Ottawa Steel Products, Inc., assignee: *See*—
Machin, Donald W.
- Otterson, Oscar, Butler, assignor to Frederic Schaefer, Pittsburgh, Pa. Brake beam. 2,446,341, Aug. 3.
- Ottinger, August F.: *See*—
Brady, Charles V., and Ottinger.
- Ottmar, Jerome, assignor to Metals & Controls Corporation, Attleboro, Mass. Burner safety control system. 2,449,858, Sept. 21.
- Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Production of ammonium sulphate. 2,435,898, Feb. 10.
- Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Apparatus for production of ammonium sulphate. 2,439,547, Apr. 13.
- Otto, Ferdinand P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic drying oil. 2,443,079, June 8.
- Otto, Merritt M.: *See*—
Cislak, Francis E., and Otto.
- Ottoson, Oscar, New York, N. Y. Abrasive sheet holder. 2,434,581, Jan. 13.
- Oughton, Charles D., Rochester, S. Sterling, Irondequoit, and A. F. Turner, Brighton, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for tempering glass articles. 2,455,085, Nov. 30.
- Oulton, Thomas Dixon, assignor to Filtrol Corporation, Los Angeles, Calif. Producing catalyst. 2,440,756, May 4.
- Outboard, Marine & Manufacturing Company, assignee: *See*—
Hook, Melvin S.
- Overby, Stanley, Inglewood, and C. S. Viall, Sr., Los Angeles, Calif.; said Viall assignor to said Overby. Spring seat construction. 2,437,119, Mar. 2.
- Overly Manufacturing Company, assignee: *See*—
Goodwin, John H.
- Overstedt, Ernest A., assignor to L. M., W. R., and F. R. Dalzen, trustees, Dalzen Trust, Detroit, Mich. Grinding wheel dresser. 2,439,263, Apr. 6.
- Overton, George N., assignor of one-half to Robert Karl Nunes, Kingston, Jamaica, British West Indies. Vaccination syringe. 2,437,920, Mar. 16.
- Overzat, Joseph J., New York, N. Y. Surfacing machine. 2,443,194, June 15.

- Ovrebø, Paul J., Dayton, Ohio. Measuring the power output of radio transmitters. 2,441,165, May 11.
- Ovrebø, Paul J., Dayton, Ohio. Direct reading radio-frequency wattmeter. 2,443,637, June 22.
- Ovrebø, Paul J., Dayton, Ohio. High radio frequency wattmeter. 2,448,044, Aug. 31.
- Owen, Benjamin F., Omaha, Nebr. Scraper. 2,454,475, Nov. 23.
- Owen, Carlton N.: *See*—
Kessler, Carl C., Black, Hicks, and Owen.
- Owen, Edmund C.: *See*—
Curd, Francis H. S., Hall, Owen, Rose, and Tuey.
- Owen, George W., North Attleboro, Mass. Tie clasp or cravat holders. 2,445,239, July 13.
- Owen, James E., Asheville, N. C. Loading device for trucks or other mobile vehicles. 2,441,591, May 18.
- Owen, John E., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Well logging apparatus. 2,446,303, Aug. 3.
- Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Activation of clay. 2,438,451, Mar. 23.
- Owen, Robert P., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray power indicator. 2,445,964, July 27.
- Owen, Robert P., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Keyed oscillator. 2,456,016, Dec. 14.
- Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glass cutting apparatus. 2,435,154, Jan. 27.
- Owen, William W.: *See*—
Candy, Charles M., and Owen.
- Owen, Wm. Walter, executor: *See*—
Willis, Bernard D.
- Owens-Corning Fiberglas Corporation, assignee: *See*—
Ebaugh, Paul.
Hicks, Joseph S.
Holtshulte, William F., and Philipps.
Slayter, Games.
Slayter, Games and Fletcher.
Slayter, Games, and Snow.
Swann, Carl C.
White, Erven, Steinman, and Biefeld.
- Owens, De Witt D., Crawfordsville, Iowa. Self-supporting, self-adjusting electric water heater. 2,448,617, Sept. 7.
- Owens, Freeman H., New York, N. Y. Apparatus for radio tuning, volume control, wave band selection, and other purposes. 2,452,067, Oct. 26.
- Owens, Freeman H., New York, N. Y. Photographic film magazine. 2,455,187, Nov. 30.
- Owens, Gomer F., assignor to Mathews Conveyer Company, Ellwood City, Pa. Take-up mechanism. 2,443,267, June 15.
- Owens, Harry S.: *See*—
McCready, Rolland M., Owens, and Maclay.
- Owens, Harry S., and W. D. Maclay, Berkeley, Calif., assignors to the United States of America, as represented by the Secretary of Agriculture. Pectic materials and preparing same. 2,444,266, June 29.
- Owens-Illinois Glass Company, assignee: *See*—
Ball, Charles O.
Ball, Charles O., Swope, and Scott.
Finley, Hugh P.
Hershey, Herman I.
Hoge, John R.
Hohl, John.
Hohl, John, and Bering.
Hohl, John, and Voigt.
Hoyer, Arnold.
Jobst, Conrad.
Schmid, William, and Fillmore.
Schultz, Harold R.
- Owens, Ivan L., Detroit, Mich. Boat trailer. 2,457,395, Dec. 28.
- Owens, James B.: *See*—
Marbury, Ralph E., Owens, and Cuttino.
- Owens, Neal, New Orleans, La., and R. L. Jewell, assignors to American Sterilizer Company, Erie, Pa. Burn bath table. 2,457,174, Dec. 28.
- Owens, Thomas B., Cleveland, Ohio. Holder for knives, forks, spoons, and the like. 2,440,207, Apr. 20.
- Owsley, Ollie M., Alexandria, Va. Testing device for sound projector. 2,451,509, Oct. 19.
- Owzarski, Peter: *See*—
Salvesen, Jorgen Richter, Brink, Diddams and Owzarski.
- Oxford Filing Supply Co. Inc., assignee: *See*—
Jonas, Frank D.
- Oxford, William F., Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Method of mitigating corrosion in wells. 2,437,475, Mar. 9.
- Oxford, William F., Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Drilling fluid. 2,455,188, Nov. 30.
- Oxhandler, Samuel: *See*—
Voight, Henry G., and Oxhandler.
- Oxley, George W.: *See*—
Tarr, Allan L., and Oxley, and Fyke.
- Oxley, Janet M., executrix: *See*—
Oxley, John H.
- Oxley, John H., Watertown, Mass., J. M. Oxley, executrix of said John H. Oxley, deceased, assignor to John H. Oxley Company, Watertown, Mass. Easel. 2,434,860, Jan. 20.
- Oxley, John H., Company, assignee: *See*—
Oxley, John H.
- Oxley, Peter: *See*—
Short, Wallace F., and Oxley.
- Oxzyrn Company, assignee: *See*—
Valentine, Joseph E.
- Ozai-Durrani, Ataulah K., Stuttgart, Ark., assignor to General Foods Corporation, New York, N. Y. Quick-cooking rice and making same. 2,438,939, Apr. 6.
- Ozai-Durrani, Ataulah K., Stuttgart, Ark. Processing rice bran and rice polish. 2,448,729, Sept. 7.
- Ozanich, Joseph A., Detroit, Mich. Electromagnetic sewing machine. 2,448,458, Aug. 31.
- Ozark-Mahoning Company, assignee: *See*—
Stengl, Rudolph J., and Bedwell.
- Ozols, Karlis V., Brooklyn, N. Y. Steam operated horn. 2,434,175, Jan. 6.
- Ozols, Karlis V., Brooklyn, N. Y. Automatically adjustable ladder. 2,451,113, Oct. 12.
- P. & V. Quicklocking Co., assignee: *See*—
Smith, Vernon C., and Bohn.
- Paasche, Jens A., Chicago, Ill. Erasing tool. 2,441,441, May 11.
- Pabis, Frank D., Amsterdam, N. Y. Electric burning-in knife. 2,452,259, Oct. 26.
- Pabst Brewing Company, assignee: *See*—
Marshall, Henry H.
- Pace, Henry A., assignor to Wingfoot Corporation, Akron, Ohio. Preparing fumaric nitrile. 2,438,019, Mar. 16.
- Pachl, Stephen J., New Haven, Conn. Wire drawing block. 2,446,058, July 27.
- Pachner, Leo, Chicago, Ill. Combination applicator and line dressing container. 2,434,861, Jan. 20.
- Pacific Can Company, assignee: *See*—
Bourland, Eli.
- Pacific Chain and Manufacturing Company, assignee: *See*—
Miller, Robert S.
- Pacific Clay Products, assignee: *See*—
McClintock, Cecil V.
- Pacific Coast Engineering Company, assignee: *See*—
Sjoberg, John G.
- Pacific Electric Manufacturing Corporation, assignee: *See*—
Brock, Arnold E.
Gerard, Roy H., and Smith.
- Pacific Mills, assignee: *See*—
Barnard, Kenneth H., Balsbaugh, and Blackwood.
Musser, David M.
Piron, Fernand.
Wilkie, Robert C.
- Pacific Pumps, Inc., assignee: *See*—
Miller, Paul B.
- Package Machinery Company, assignee: *See*—
Melhorn, Carl E.
Smith, Elmer L.
- Packaging Industries, Inc., assignee: *See*—
Rohdin, Howard A.
- Packard, Alden, Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Sweep control for panoramic oscilloscopes. 2,436,447, Feb. 24.
- Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.
Vande Bunte, Donald L.
Vincent, Jesse G.
Ware, Marsden.
- Packard, Olive M., assignee, et al.: *See*—
Tietsema, Tim.
- Packner & Koller, Inc., assignee: *See*—
Sharps, George J.
- Packing Industries, Inc., assignee: *See*—
Rohdin, Howard A.
- Packless Metal Products Corporation, assignee: *See*—
Guarnaschelli, Stephen.
- Packwood, George H., Jr., St. Louis, Mo. Soap powder dispenser. 2,450,155, Sept. 28.
- Packwood, Heza H., Baton Rouge, La. Power lawn mower with air filtering screen. 2,445,965, July 27.
- Pacotto, Joseph D., Dorchester, Mass. Potato ricer. 2,455,267, Nov. 30.
- Paddock, Levi S.: *See*—
Ramsbottom, John M., and Paddock.
- Paddock, Ormond H., Rossford, and J. P. Pearse, Swanton, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for bending glass. 2,452,488, Oct. 26.
- Padelford, Lester E., North Arlington, assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Automatic timer for toasters or other apparatus. 2,436,448, Feb. 24.
- Padelford, Lester E., North Arlington, N. J. Combination spraying booth and drying chamber. 2,445,451, July 20.
- Paden, Charles E., Pittsburgh, Pa. Stool attachment for barbers' chairs. 2,445,240, July 13.
- Paden, William L.: *See*—
Christian, Raymond, Ganger, and Paden.
- Padgett, Grady, Beaver, Pa. Vertical coke oven with regenerator. 2,434,862, Jan. 20.

- Padgett, Willie P.: *See*—
Harris, Leonard O. D., and Padgett.
- Page, Edward L., Flint, Mich. Friction disk brake for automobiles and the like. 2,454,084, Nov. 16.
- Page, Francis M.: *See*—
Bailey, Eric J. G., Page, and McGowan.
- Page, Harry C., Scarsdale, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Arrangement for producing a triggering effect in proximity to an object adapted to radiate radiant-wave energy. 2,441,030, May 4.
- Page, Herbert E., Alhambra, Calif. Pump for hydraulic jacks. 2,440,060, Apr. 20.
- Page, Herbert E., Alhambra, Calif. Power driven dry shaver. 2,440,061, Apr. 20.
- Page, Herbert E., Alhambra, Calif. Dry shaver. 2,440,114, Apr. 20.
- Page, Herbert E., Alhambra, Calif. Ice cube freezer and dispenser. 2,443,926, June 22.
- Page, Herbert E., Alhambra, Calif. Pressure-applying device. 2,445,630, July 20.
- Page, Herbert E., Alhambra, Calif. Ironing machine. 2,449,246, Sept. 14.
- Page, Herbert E., Alhambra, Calif. Hydraulic bumper jack. 2,450,608, Oct. 5.
- Page, Herbert E., Alhambra, Calif. Fluid jack with ram locking means. 2,455,439, Dec. 7.
- Page, Herbert E., Alhambra, Calif. Hydraulic jack. 2,455,440, Dec. 7.
- Page, Herbert E., Dayton, Ohio. Remote control hydraulic apparatus. 2,442,058, May 25.
- Page, Herbert E., Pasadena, Calif. Variable-speed drive. 2,436,936, Mar. 2.
- Page, Herbert E., Pasadena, Calif. Hydraulic jack. 2,439,183, Apr. 6.
- Page, Herbert E., Pasadena, Calif. Hydraulic pressure multiplying system. 2,442,057, May 25.
- Page, Herbert E., Pasadena, Calif. Hydraulic valve. 2,445,334, July 20.
- Page, James M., Jr.: *See*—
Evering, Bernard L., Lien, and Page.
- Page, John S., Long Beach, Calif. Tubing anchor. 2,435,899, Feb. 10.
- Page, Louis J., Hollis, N. Y. Semirimless ophthalmic mounting. 2,435,636, Feb. 10.
- Page, Ralph E., West Orange, and H. S. Beattie, East Orange, N. J. assignors to International Business Machines Corporation, New York, N. Y. Record controlled distributing and accounting machine. 2,434,512, Jan. 13.
- Page, Ralph E., West Orange, N. J., and H. S. Beattie, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Perforated card controlled alphabet and numeral printer. 2,438,071, Mar. 16.
- Page, Robert M., Washington, D. C. Multiple range indicator. 2,452,598, Nov. 2.
- Page, Robert M., Washington, D. C., and M. F. Distad, Cheverly, Md. Filament by-pass condenser. 2,445,256, July 13.
- Page, William, Cranford, N. J. Fur treating process. 2,443,475, June 15.
- Paget, Bertie K., Detroit, Mich. Ventilator. 2,456,311, Dec. 14.
- Paget, Bertie K., Detroit, Mich. Ventilator. 2,456,312, Dec. 14.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,434,120, Jan. 6.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania. Pressure controlling apparatus. 2,441,592, May 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure-regulating valve mechanisms. 2,442,780, June 8.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Cabin conditions controlling apparatus. 2,444,951, July 13.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pump control mechanism. 2,444,952, July 13.
- Pagliarul, Joseph N., deceased, Milwaukee, Wis.; E. P. Kowalsky (E. Kowalsky) executrix, assignor to Inland Wire Products Company, Chicago, Ill. Brake for wire-feeding devices. 2,442,933, June 8.
- Pagliarul, Joseph N., Milwaukee, Wis.; E. P. Kowalsky (Enez Kowalsky) executrix of J. N. Pagliarul, deceased, assignor to Inland Wire Products Company, Chicago, Ill. Wire stitching feed. 2,453,337, Nov. 9.
- Paige, Richard E., New York, N. Y. Puppet. 2,444,169, June 29.
- Paige, Weldon M.: *See*—
Brown, David C., and Paige.
- Paillard, S. A. (Paillard A. G., Paillard Limited), assignee: *See*—
Ascoli, Enzo.
- Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Manual reset valve. 2,456,078, Dec. 14.
- Pajak, Theodore P., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for inspecting sheet material. 2,453,338, Nov. 9.
- Pak Parachute Company Limited, assignee: *See*—
Caspar, Frank A.
- Pakala, William E.: *See*—
Garbuny, Max, and Pakala.
- Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,439,946, Apr. 20.
- Pakala, William E., Forest Hills, and H. C. Myers, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitron firing circuit. 2,436,324, Feb. 17.
- Pako Corporation, assignee: *See*—
Sardeson, Robert, and Savela.
- Pal Blade Co., Inc., assignee: *See*—
Henshaw, Charles N.
- Palagonia, Joseph R., Brooklyn, N. Y. Collar clip. 2,438,645, Mar. 30.
- Palazzo, Anthony B. C.: *See*—
Whipple, Jack V., and Palazzo.
- Pallas, Charles W., Elyria, Ohio. Mounting attachment for electrical outlet boxes. 2,453,535, Nov. 9.
- Pallas, Vernon R.: *See*—
Illmer, Louis, and Pallas.
- Pallenberg, Christian: *See*—
Telford, Clarence F., and Pallenberg.
- Pallet Engineering Company, assignee: *See*—
Bryson, Newall M.
- Palm, George A. V. and M. A., Pillana, South Australia, Australia. Measuring pump with adjustable stop. 2,445,279, July 13.
- Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Reciprocatory fluid pressure operated motor with piston actuated distributing valve. 2,443,568, June 15.
- Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Control valve and vibrating flow indicator. 2,445,887, July 27.
- Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Pump. 2,447,467, Aug. 17.
- Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Piston actuated air motor valve mechanism. 2,448,459, Aug. 31.
- Palm, Milton A.: *See*—
Palm, George A. V. and M. A.
- Palmatier, Everett P., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Deicing system for aircraft surfaces. 2,440,115, Apr. 20.
- Palmatier, Everett P., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Fan deicing or anti-icing means. 2,446,663, Aug. 10.
- Palmer, Albert, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Letoff for looms. 2,450,484, Oct. 5.
- Palmer, Albert, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Control means for motor driven letoffs. 2,450,485, Oct. 5.
- Palmer, Charles E., Buffalo, N. Y. Buffing and polishing machine. 2,434,513, Jan. 13.
- Palmer, Donald A., Sheffield, England. Tobacco-pipe scraping tool. 2,438,678, Mar. 30.
- Palmer, Elton M., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seismograph recording apparatus. 2,440,970, May 4.
- Palmer, Elton M., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seismograph recording apparatus. 2,440,971, May 4.
- Palmer, F. D., Inc., assignee: *See*—
Palmer, Frank D.
- Palmer, F. R., Inc., assignee: *See*—
Palmer, Frank D.
- Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Paper bottle. 2,435,155, Jan. 27.
- Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Paper box forming apparatus. 2,438,788, Mar. 30.
- Palmer, Frank D., Chicago, Ill., assignor to Frank D. Palmer, Inc. Paper bottle construction. 2,444,143, June 29.
- Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Carton. 2,452,952, Nov. 2.
- Palmer, John R.: *See*—
Palmer, Robert A. and J. R., and Smit.
- Palmer, John S., Chicago, Ill., assignor to International Harvester Company. Device for preventing excessive condensation in the insulating space of refrigerators. 2,454,715, Nov. 23.
- Palmer, L. H., Childersburg, Ala. Abrading tool. 2,437,650, Mar. 9.
- Palmer, Orion R., Jr., Beverly Hills, Calif. Vibrator attachment for electric razor actuating instruments. 2,437,402, Mar. 9.
- Palmer, Robert A. and J. R., and G. R. Smit, assignors to Western Corrugator Co., Parma, Idaho. Ditcher. 2,453,723, Nov. 16.
- Palmer, Robert T.: *See*—
Sevell, Henry R., and Palmer.
- Palmer, Rufus N., Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa. Tubular saw chuck. 2,454,522, Nov. 23.
- Palmer, Walter E., Cicero, Ill. Safety device. 2,434,009, Jan. 6.
- Palmieri, Mario, Beverly Hills, Calif. Constructing concrete vessels. 2,454,403, Nov. 23.
- Palnut Company, The, assignee: *See*—
Hotchkiss, James R.
- Ralotsee, John J., Youngstown, Ohio. Washer for articles or the like. 2,437,968, Mar. 16.

- Palotsee, John J., Youngstown, Ohio. Adjustable hone. 2,443,268, June 15.
- Palotsee, John J., Youngstown, Ohio. Hone adapter. 2,450,294, Sept. 28.
- Paluck, Nick A., Belfield, N. Dak. Wheel scraper. 2,454,002, Nov. 16.
- Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,440,556, Apr. 27.
- Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Protective arrangement for electrical windings. 2,456,986, Dec. 21.
- Palumbo, Joseph, Bronx, N. Y. Emergency telephone call and circuit therefor. 2,453,032, Nov. 2.
- Palya, Albert, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sensitive resistance device. 2,442,460, June 1.
- Pamphilon, Leon E., Yeadon, assignor to Airdesign, Incorporated, Upper Darby, Pa. Tape slitting machine. 2,454,003, Nov. 16.
- Pan American Refining Corporation, assignee: *See*—Kirkbridge, Chalmers G., and Hopkins.
- Ridgway, John A., Jr., and Hill.
- Wadsworth, Francis T., Lee, and Brandt.
- Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Mine car latch assembly. 2,451,406, Oct. 12.
- Pancoast, Harry M., assignor to Food Machinery Corporation, San Jose, Calif. Disinfecting and precooling vegetables. 2,440,911, May 4.
- Pancoast, William R., Evanston, Ill. Knife sharpener. 2,457,714, Dec. 28.
- Pancotti, Roberto, Brooklyn, N. Y. Sound deflector for accordions. 2,448,682, Sept. 7.
- Pandele, Charles L., Grand Rapids, Mich. Garment hanger. 2,448,234, Aug. 31.
- Pangborn Corporation, assignee: *See*—Evans, Archibald D.
- Gossard, Charles M.
- Keefer, Walter L.
- Vedder, Walter O.
- Pangborn, Mary C., Albany, N. Y., assignor to The People of the State of New York. Recovering and refining cardiolipin. 2,456,836, Dec. 21.
- Pangle, James R.: *See*—Smith, Chadwick P., and Pangle.
- Panhandle Eastern Pipe Line Company, assignee: *See*—Stephens, Dishman K.
- Young, Farrile S.
- Panish Controls: *See*—Allen, Oliver L. and E. F.
- Panish, Erwin J., assignee: *See*—Allen, Oliver L. and E. F.
- Panish, Erwin J., Bridgeport, Conn. Control station. 2,442,509, June 1.
- Panish, Erwin J., Bridgeport, Conn. Clutch and power supply control system. 2,444,364, June 29.
- Pankratz, Howard J.: *See*—Bunn, George P., and Pankratz.
- Panner, Owen M., Shawnee, Okla. Smoking pipe. 2,443,927, June 22.
- Panter, Charles M. R. D., Harlington, assignor to Shrager Bros. Limited, London, England. Adjustable chair. 2,452,140, Oct. 26.
- Pantex Manufacturing Corporation, assignee: *See*—Beede, Herbert G.
- Lornitzo, Frank C.
- Panzer, William C., Chicago, Ill. Ash receptacle closure with tilting means. 2,445,861, July 27.
- Paolucci, Vincent R., Cleveland Heights, Ohio. Vehicle attached jack operated from luggage compartment. 2,451,407, Oct. 12.
- Paolucci, Vincent R., Cleveland Heights, Ohio. Lifting device for automobiles. 2,451,408, Oct. 12.
- Papa, Domenick: *See*—Schwenk, Erwin, and Papa.
- Papas, Gus S., assignor of one-third to H. A. Contos, Chicago, Ill. Centrifugally operated, expanding shoe type, automatic clutch. 2,455,086, Nov. 30.
- Papee Machine Company, assignee: *See*—Ogden, William J.
- Van Sickle, Kenneth J.
- Papermaster, Roy L., Los Angeles, Calif. Thermometer case with rotating means. 2,456,837, Dec. 21.
- Paper Patents Company, assignee: *See*—Craig, Kenneth A., and Auchter.
- Paper Strap, Inc., assignee: *See*—Wallich, Maurice G. L.
- Pappas, Phillip M., Houston, Tex. Automatic control for washing machines. 2,454,198, Nov. 16.
- Papritz, Hans, Bern, assignor to Haag-Streit Werkstaten für Präzisionsmechanik, Bern-Liebelfeld, Switzerland. Bowl perimeter. 2,441,031, May 4.
- Paragon Revolute Corporation, assignee: *See*—Davis, Raymond R.
- Sullivan, Harry H., and W. L., and Wilde.
- Paramount Industries, Inc., assignee: *See*—Pollack, Israel.
- Sobel, Alfonse D.
- Paramount Textile Machinery Co., assignee: *See*—Mann, Arthur S., and Campbell.
- Richter, Henry.
- Paraschuk, John, New York, N. Y. Chip guard. 2,451,574, Oct. 19.
- Paraskevas, Louis, Washington, D. C. Skidless steel grip for auto tires. 2,448,730, Sept. 7.
- Paraskevas, Louis, New Orleans, La. Retractable auxiliary landing gear for aircraft. 2,454,611, Nov. 23.
- Parcaro, Michael, Arlington, N. J., assignor to Penn Electric Switch Co., Goshen, Ind. Electronic tube. 2,443,511, June 15.
- Parcell, Charles L., Mariemont, Ohio. Hand tool for cutting out hinge recesses. 2,440,208, Apr. 20.
- Parco Manufacturing Company, assignee: *See*—Rhodes, Harry E.
- Pardee, Curtis G.: *See*—Hoern, Joseph H., and Pardee.
- Pardee, William A., Pittsburgh, and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic cracking. 2,441,974, May 25.
- Parfentjev, Ivan A., Nyack, and A. J. Weil, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of toxins and toxoids. 2,454,755, Nov. 23.
- Paris, Robert H., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Conductive fluid electrical contact device. 2,435,725, Feb. 10.
- Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Interconnection device. 2,442,984, June 8.
- Parisi, Anthony, Brooklyn, N. Y. Hand knitting device. 2,457,064, Dec. 21.
- Parissi, Anthony J., Cohoes, N. Y. Clock with visible and audible alarm means. 2,444,748, July 6.
- Park, Arthur, Wheaton, Ill. Gripping means for game balls. 2,448,731, Sept. 7.
- Park, Arthur D., and N. A. Johnson, assignors to Armstrong Cork Company, Lancaster, Pa. Acoustical structure. 2,450,911, Oct. 12.
- Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl resin. 2,456,565, Dec. 14.
- Park, Joseph D.: *See*—Benning, Anthony F., and Park.
- Park, Lucille D., Westfield, N. J. Device for drawing on stockings. 2,443,115, June 8.
- Park, Marion A., St. Louis, Mo. Polio exercising machine. 2,456,017, Dec. 14.
- Park, Robert H.: *See*—Maltby, Wilson R., and Park.
- Park, Robert H., Millington, N. J., assignor to American Cyanamid Company, New York, N. Y. High gain amplifier. 2,434,223, Jan. 6.
- Parke, Davis & Company, assignee: *See*—Adams, Robert R., and Mosher.
- Bambas, Louis L.
- Bird, Orson D., and Binkley.
- Chaney, Lee C., and Piening.
- Cheney, Lee C., and Bywater.
- Hamilton, Cliff S.
- Hamilton, Cliff S., and Banks.
- Holcomb, Walter F., and Sweet.
- Jones, Eldon M., Rawlins, Burckhalter, and Holcomb.
- Rawlins, Albert L.
- Rieveschl, George, Jr.
- Van House, Russell W.
- Wagner, Romeo B.
- Parke, Norman M., Jacksonville, Fla. Game of the ball and mallet type. 2,451,770, Oct. 19.
- Parke, William F.: *See*—Brown, Curtis, and Parke.
- Parker Appliance Company, assignee: *See*—Fuhman, Robert C.
- Hartley, Emmett C., and Hull.
- Hull, Henry E., and Hartley.
- Margrave, Wilton.
- Parker, Arthur L.
- Parker, Arthur L. and H. M., and Melichar.
- Parker, Arthur L., and Vandervoort.
- Parker, Arthur L., and Wolfram.
- Vandervoort, Lorain N.
- Wolfram, John N.
- Parker, Arnold G., Longueuil, Quebec, Canada. Motion-transmitting unit. 2,438,182, Mar. 23.
- Parker, Arthur L., deceased, Cleveland, by H. M. Parker, executrix, Shaker Heights, and L. N. Vandervoort, assignors to The Parker Appliance Company, Cleveland, Ohio. Manifold tube coupling. 2,438,679, Mar. 30.
- Parker, Arthur L., deceased, Cleveland, by H. M. Parker, Shaker Heights, executrix, and J. F. Melichar, assignors to The Parker Appliance Company, Cleveland, Ohio. Engine primer. 2,450,295, Sept. 28.
- Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Sealing element for valves. 2,455,087, Nov. 30.
- Parker, Arthur L., and J. N. Wolfram, assignors to The Parker Appliance Company, Cleveland, Ohio. Two-piece hose coupling. 2,441,718, May 18.
- Parker, Charles F., Culver City, Calif. Portable tile cutter. 2,450,523, Oct. 5.
- Parker, Charles H., Jr.: *See*—Lane, Leslie C., and Parker.
- Parker, Elgin R., assignee: *See*—Maynard, James.
- Parker, Frederick, Houston, Tex. Mattress filling box. 2,436,119, Feb. 17.

- Parker, Helen M., executrix: *See*—
Parker, Arthur L. and H. M., and Melichar.
Parker, Arthur L., and Vandervoort.
- Parker, Herbert M., Oak Ridge, Tenn., assignor to the United States of America, as represented by the Atomic Energy Commission. Differential twin chamber neutron meter. 2,437,476, Mar. 9.
- Parker, Jack R.: *See*—
Watts, Albert E., Jr., and Parker.
- Parker, James H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Polyallyl amine and related polymeric amines. 2,456,428, Dec. 14.
- Parker, John J., and L. T. Morawski, Detroit, Mich. Mandrel. 2,445,184, July 13.
- Parker, John R., Southgate, assignor to Food Machinery Corporation, San Jose, Calif. Jet motor pump unit. 2,440,912, May 4.
- Parker, John W., Grosse Pointe, Mich. Surface grinder. 2,456,079, Dec. 14.
- Parker, Louis W., Woodside, N. Y. Television receiver. 2,448,908, Sept. 7.
- Parker, Louis W., Little Neck, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Projection cathode-ray tube. 2,457,175, Dec. 28.
- Parker Manufacturing Company, assignee: *See*—
Carlson, Andrew H.
- Parker, Oscar S., Jr.: *See*—
Baker, Vincent T., Davisson, and Parker.
- Parker Pattern and Foundry Company, The, assignee: *See*—
Stelzer, Earl E.
- Parker, Paul T.: *See*—
Vanderbilt, Byron M., and Parker.
- Parker Pen Company, The: *See*—
Randolph, Robert W.
- Teft, Ivan D.
- Parker, Robert P.: *See*—
Lecher, Hans Z., Parker, and Hofmann.
Lecher, Hans Z., Parker, and Long.
- Parker, Robert P., Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Alkenoxy amino diphenylamines. 2,449,006, Sept. 7.
- Parker, Robert R.: *See*—
Johnson, Paul H., and Parker.
- Parker, Ruth F., Memphis, Tenn. Compact. 2,437,120, Mar. 2.
- Parker, Van A., San Diego, Calif. Panoramic camera tripod control. 2,437,787, Mar. 16.
- Parker, William A., Marton, Blackpool, England. Scaffolding. 2,435,461, Feb. 3.
- Parkersburg Rig & Reel Company, The, assignee: *See*—
Dake, George E., and Lyne.
- Parkerton, Madeline J.: *See*—
Schottgen, Louis, and Parkerton.
- Parke, Ralph C., Glenside, Pa. Insulated panel. 2,447,272, Aug. 17.
- Parke, Ralph C., Glenside, Pa. Drying machine. 2,449,667, Sept. 21.
- Parkhill, Frederic W., Wichita, Kans., assignor of one-fourth to Harman E. Brown and one-fourth to Walter E. Ludwig, Kansas City, Mo. Caster. 2,434,863, Jan. 20.
- Parkhurst, Elmer, Indianapolis, Ind. Applicator's guide. 2,446,950, Aug. 10.
- Parkin, Leslie, and J. Simpson, Nottingham, England. Manufacture of articles from short lengths of tubes. 2,437,477, Mar. 9.
- Parkinson, David B.: *See*—
Lovell, Clarence A., and Parkinson.
- Parks, Carl R.: *See*—
Cheyney, La Verne E., and Parks.
- Parks and Woolson Machine Company, assignee: *See*—
Hadley, Wilfred N.
Richardson, Charles G.
- Parmalee, A. F., assignee: *See*—
Moeller, William C.
Wallace, Harold E.
- Parmelee, Alfred E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of tetra ethyl lead. 2,440,810, May 4.
- Parmelee, William E., Bethel Township, Allegheny County, Pa., assignor to Wheeling Stamping Company, Wheeling, W. Va. Method of and apparatus for manufacturing hollow plastic articles. 2,443,053, June 8.
- Parmley, Harry M., Harrisburg, Pa. Electrical heating unit. 2,457,065, Dec. 21.
- Parnell, Edwin H., Sr., Greenville, S. C. Fishing lure. 2,450,253, Sept. 28.
- Parra, Joseph, and W. White, Newark, N. J. Pin spotter carriage for pin setting apparatus. 2,445,688, July 20.
- Parrett, Frank, Arapaho, Okla. Apparatus and method for molding circular concrete tanks. 2,435,052, Jan. 27.
- Parrish, Charles I., Drexel Hill, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing aldehydic material. 2,435,460, Feb. 3.
- Parrish, Maxfield, Jr., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Visor. 2,444,524, July 6.
- Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Altitude compensating ignition device. 2,441,284, May 11.
- Parrott, Robert D.: *See*—
Wise, Raleigh J., Ridings, and Parrott.
- Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machine loop takers. 2,447,987, Aug. 24.
- Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,456,591, Dec. 14.
- Parry, Robert D., assignor to Dayton Acme Co., Cincinnati, Ohio. Motion-picture apparatus. 2,445,689, July 20.
- Parson, Donald, Jr., Framingham, Mass. Keying system. 2,447,088, Aug. 17.
- Parsons, John B., Toledo, Ohio. Vehicle window regulator. 2,436,728, Feb. 24.
- Parsons, John B., Toledo, Ohio. Switch structure. 2,446,141, July 27.
- Parsons, John B., assignor to M. W. Fraser, trustee, Toledo, Ohio. Window regulator mechanism. 2,447,360, Aug. 17.
- Parsons, John B., Toledo, Ohio. Actuating mechanism for refrigerator tops or the like. 2,456,429, Dec. 14.
- Parsons, Joseph R., assignor to United States Gypsum Company, Chicago, Ill. Manufacture of dense products from cement material. 2,451,445, Oct. 12.
- Parsons, Joseph R., assignor to United States Gypsum Company, Chicago, Ill. Light-weight fiber containing product. 2,451,446, Oct. 12.
- Parsons, Louis R., assignor of one-fifth to W. W. Holland, Macomb, Ill. Railroad rail clamp. 2,450,559, Oct. 5.
- Parsons Marine Steam Turbine Company Limited, The, assignee: *See*—
Cook, S. S., and Douglas.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Door latch. 2,441,033, May 4.
- Parsons, William F.: *See*—
Thuline, Horace C., Parsons, and Waugh.
- Parsons, William F., Rochester, N. Y., and J. R. Dann, Boulder, Colo., assignors to Eastman Kodak Company, Rochester, N. Y. Thermosetting lens cement. 2,445,535, July 20.
- Parsons, William F., Cambridge, Mass., and J. R. Dann, assignors to Eastman Kodak Company, Rochester, N. Y. Thermosetting lens cement. 2,445,536, July 20.
- Partee, Watkins W., Memphis, and M. Gray, deceased, late of Memphis, Tenn., by E. L. Bruce Company, Memphis, Tenn., assignee. Wood finishing apparatus. Re. 23,002, May 18.
- Partin, Albert, Portales, N. Mex. Adjustable draw bar for trailer couplings. 2,449,315, Sept. 14.
- Partiot, Maurice, Noroton, Conn., assignor to The Nitralloy Corporation. Electric resistance welding a laminated sheet metal structure. 2,445,801, July 27.
- Partridge, Maurice W.: *See*—
Short, Wallace F., and Partridge.
- Partridge, William A., and H. J. Alty, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Motor fuels. 2,452,489, Oct. 26.
- Parveau, Lucien: *See*—
Boucher, Auguste, and Parveau.
- Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Magnetic flaw detector. 2,439,184, Apr. 6.
- Pascoe, Frank T., Carnegie, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Recall control means. 2,449,176, Sept. 14.
- Pascoe, Alex, Bronx, N. Y. Bookmark. 2,442,708, June 1.
- Pasdertz, Joseph R., Joliet, Ill. Die holder. 2,452,141, Oct. 26.
- Pasnaw, Bud W., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Metering valve. 2,445,631, July 20.
- Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.
- Passal, Frank, now by judicial change of name: *See*—
Passalacqua, Frank.
- Passalacqua, Frank, now by judicial change of name, F. Passal, Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Method of producing articles having fissured chromium surface electrodeposits. 2,450,296, Sept. 28.
- Passarelli, Dominic A., Danbury, Conn. Hand slicer. 2,443,928, June 22.
- Pastor, John, and L. J. Standish, assignors to The Bridgeport Casket Hardware Company, Bridgeport, Conn. Casket handle. 2,436,598, Feb. 24.
- Pastore, Alfredo, Brooklyn, N. Y. Gem grinding and polishing tool. 2,450,984, Oct. 12.
- Pastoret, John E.: *See*—
Rambo, Rawdon E., and Pastoret.
- Pastoret, John E., and J. W. Morrow, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brushholder mounting. 2,447,662, Aug. 24.
- Patch, Arthur C., Van Nuys, Calif., assignor to North American Aviation, Inc. Landing gear system. 2,452,787, Nov. 2.
- Patch, George W. Jr.: *See*—
Van Vleet, James G., and Patch.
- Patchett, George W., Chigwell, England. Telescopic firearm. 2,437,548, Mar. 9.
- Patelhold Patenverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Gaudenzi, Arthur, and Schärli.

- "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Favre, Marcel.
- "Patelhold" Patentverwertungs- & Elektro-Holding A.-G. of Glarus, assignee: *See*—
Matthias, Bernd.
- Pateman, Arthur: *See*—
Brumhill, Claude W., and Pateman.
- Patent Button Company, The, assignee: *See*—
Zwiebel, William A.
- Patent and Licensing Corporation, The, assignee: *See*—
Golden, Victor.
- Patent License Corporation, assignee: *See*—
Nordquist, Robert G.
- Patent License Corporation, assignee: *See*—
Arenberg, Albert L.
- Patents Corporation, The, assignee: *See*—
Tanner, Robert R.
- Patents, Inc., assignee: *See*—
Winter, Henry A.
- Pateras Pescara, Raul, assignee: *See*—
Huber, Robert.
- Pateras Pescara, Raul, Lisbon, Portugal. Engine with synchronised free opposed pistons. 2,442,470, June 1.
- Paterson Engineering Company Limited, The, assignee: *See*—
Smalley, William.
- Paterson Parchment Paper Company, assignee: *See*—
Dodge, Wesley.
- Paterson, William J., Newton Highlands, Mass., assignor to Lever Brothers Company. Hydrobleaching and hardening glyceride oils. 2,437,705, Mar. 16.
- Paterson, William J., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Hydrobleaching glyceride oils. 2,437,706, Mar. 16.
- Patissaul, Charles E., Milledgeville, Ga. Electric heater. 2,435,363, Feb. 3.
- Patnode, Winton I. *See*—
Burkhard, Charles A., and Patnode.
- Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Lower alkylpolysiloxaneborates and their production. 2,434,953, Jan. 27.
- Patrick, Frederick O., Jacksonville, Fla. Switch for model railway construction. 2,447,273, Aug. 17.
- Patrick, Joshua, Detroit, Mich. Trap. 2,448,618, Sept. 7.
- Patrick, Joshua, Detroit, Mich. Juicer with hand reciprocated rotary reamer. 2,454,085, Nov. 16.
- Patrick, Lawrence M., assignor of one-third to A. A. Locke and one-third to R. F. Ternes, Detroit, Mich. Regulator. 2,456,212, Dec. 14.
- Patrosio, William, Jersey City, and W. Ferber, assignors to Keuffel & Esser Company, Hoboken, N. J. Dustproof leveling screw. 2,438,479, Mar. 23.
- Patt, Conrad J., Chicago, Ill. Ladder attachment step. 2,439,185, Apr. 6.
- Pattamaly, Elavathur S. V., Kannimangalam, Nemmara Post, India. Electron oscillator. 2,445,690, July 20.
- Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Recovering potassium acid tartrate from winery residues containing potassium acid tartrate and other organic materials not in solution. 2,433,864, Jan. 6.
- Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Method of concentrating distillery still slop. 2,434,672, Jan. 20.
- Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Mashing cereals. 2,451,510, Oct. 19.
- Pattee, John R., assignor to The Bristol Company, Waterbury, Conn. Electric motor control system. 2,439,096, Apr. 6.
- Patten, Samuel, assignee: *See*—
Weed, John H.
- Patterson, Charles E., Los Angeles, Calif. Coupling. 2,457,105, Dec. 21.
- Patterson, Edgar W., Downey, Calif. Setback means for pumping units. 2,456,531, Dec. 14.
- Patterson, Franklin G.: *See*—
Alexanderson, Ernst F. W., and Patterson.
- Patterson, Franklin G., Schenectady, N. Y., and M. W. Sims, Fort Wayne, Ind., assignors to General Electric Company. Telemetering apparatus. 2,456,430, Dec. 14.
- Patterson, James M., Jennings, assignor to Central Mine Equipment Co., St. Louis, Mo. Welding mechanism. 2,440,696, May 4.
- Patterson, James M., Jennings, assignor to Central Mine Equipment Co., St. Louis, Mo. Work operator for welding mechanism. 2,440,697, May 4.
- Patterson, James M., Jennings, assignor to Central Mine Equipment Company, St. Louis, Mo. Manufacture of silted articles. 2,440,698, May 4.
- Patterson, James N., Pitman, N. J. Valve. 2,443,929, June 22.
- Patterson, John A.: *See*—
Kluge, Herman D., and Patterson.
- Patterson, John A., and H. D. Kluge, Beacon, assignors to The Texas Company, New York, N. Y. Rust and oxidation inhibited lubricating compositions. 2,452,319, Oct. 26.
- Patterson, Julian E., Brownfield, Tex. Safety device for hoists. 2,456,646, Dec. 21.
- Patterson, Velt C., assignor to York Corporation, York, Pa. Food freezing apparatus. 2,435,462, Feb. 3.
- Patterson, Velt C., assignor to York Corporation, York, Pa. Vacuum drying apparatus using a refrigerant system for heating and cooling. 2,453,033, Nov. 2.
- Patterson, Wilbur I., Fairfax, Va., and M. B. Williamson, Darby, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. Antioxidant. 2,455,088, Nov. 30.
- Pattison, Arthur H., assignor to Arthur Pattison Limited, Coventry, England. Flexible drive coupling. 2,448,732, Sept. 7.
- Pattison, Arthur, Limited, assignee: *See*—
Pattison, Arthur H.
- Pattison, Herbert J., Grosse Pointe, assignor to Briggs Manufacturing Company, Detroit, Mich. Apparatus for making molds. 2,435,507, Feb. 3.
- Pattison, Herbert J., assignor to Briggs Manufacturing Company, Detroit, Mich. Making molds. 2,449,136, Sept. 14.
- Patton, Alva R., Fort Collins, Colo. Controlling potato chip color. 2,448,152, Aug. 31.
- Patton, Benjamin B., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Mechanical time fuse. 2,435,979, Feb. 17.
- Patton, Charles C.: *See*—
Dillinger, Joy F., and Patton.
- Patton, James G., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Milling machine attachment. 2,456,730, Dec. 21.
- Patzner, Raymond C., assignee: *See*—
Woditsch, Frank J.
- Paucek, Andrew J., Flushing, N. Y., assignor to Burndy Engineering Company, Inc. Forming tubular structures. 2,449,247, Sept. 14.
- Paul, Benson H.: *See*—
Limbach, John P., and Paul.
- Paul, Frederick J., Fredonia, assignor to Huntley Manufacturing Company, Brocton, N. Y. Method and apparatus for separating peanuts from debris. 2,449,007, Sept. 7.
- Paul, Joseph, Milwaukee, Wis. Sanding block. 2,443,399, June 15.
- Paul, Lawrence C., Newton, assignor to Badger Fire Extinguisher Company, Somerville, Mass. Expansion joint. 2,434,224, Jan. 6.
- Paul, Nathan, Long Island, assignor to Elliott F. Barlow, Yonkers, N. Y. Deformable switch. 2,437,969, Mar. 16.
- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Acyl thio-carbamo sulfenamides as new chemicals. 2,441,032, May 4.
- Paul, Philip T., and L. B. Tewksbury, Jr., Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of dithio bis-arylamines. 2,435,508, Feb. 3.
- Paul, Richard, and G. F. Sulfrian, Newark, N. J. Shipping container. 2,453,930, Nov. 16.
- Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Power transmission for agricultural implements. 2,442,731, June 1.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit interrupter. 2,436,665, Feb. 24.
- Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,439,264, Apr. 6.
- Paul, William E., Schenectady, N. Y., and J. W. Timmerman, Jr., Springfield, and R. E. Bold, Drexel Hill, Pa., assignors to General Electric Company. Circuit interrupting apparatus. 2,452,953, Nov. 2.
- Pauley, Robert D., assignor to Wood Conversion Company, Cloquet, Minn. Packing insulation material. 2,439,605, Apr. 13.
- Pauley, Robert D., assignor to Weyerhaeuser Timber Company, Longview, Wash. Separation of pure bark fiber from finely comminuted bark. 2,446,551, Aug. 10.
- Paulic, Leo S., East Lansing, Mich. Trouser hanger. 2,434,430, Jan. 13.
- Paulsboro Manufacturing Company, assignee: *See*—
Jones, James R.
- Paulsen, Hans C., Medford, assignor to J. W. Moore Machinery Corporation, Everett, Mass. Machine for handling and feeding washers. 2,434,885, Jan. 20.
- Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and machine for use in preparing soles for cement attachment to shoe bottoms. 2,443,693, June 22.
- Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Insole rib cementer. 2,455,518, Dec. 7.
- Paulson, Bernard J., Waukesha, Wis. Blower. 2,434,745, Jan. 20.
- Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave meter. 2,439,527, Apr. 13.
- Paulus, Charles L., Dayton, Ohio. Electric servomotor unit. 2,441,593, May 18.
- Paulus, Charles L., Dayton, Ohio. Aircraft flight stabilizing control unit and system. 2,449,566, Sept. 21.
- Paulus, Charles L., Dayton, Ohio. Electric servo. 2,454,832, Nov. 30.
- Paulus, Charles L., and R. K. Stout, Dayton, Ohio. Electrical socket. 2,440,288, Apr. 27.

- Paulus, Charles L., Dayton, Ohio, and H. A. Klein, Oakdale, Pa. Control system for target aircraft. 2,452,599, Nov. 2.
- Paust, Lawrence R., Chicago, Ill. Power supply for electronic apparatus. 2,450,985, Oct. 12.
- Pava, Jack R., assignee: *See*—
Pincok, Douglas F.
- Pava, Jack R., assignor of one-half to D. F. Pincok, Santa Barbara, Calif. Plaster bandage forming machine. 2,445,078, July 13.
- Pavelle Color Incorporated, assignee: *See*—
Rabinowitz, Jacob.
- Pavesi, Louis, and F. F. Rodoni, San Francisco, Calif. Knife sharpener. 2,444,110, June 29.
- Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetals and mercaptals of aldehydes having two vicinal mercapto groups and their self-condensation polymers and preparing same. 2,444,525, July 6.
- Pawckett, Lawrence S.: *See*—
Harpole, Thomas M., and Pawckett.
- Pawley, William D., Jr., Miami Beach, Fla. Sailboat. 2,444,526, July 6.
- Pawlshen, Edward: *See*—
Gordon, Clifford D., and Pawlshen.
- Pawlshen, John, administrator: *See*—
Gordon, Clifford D., and Pawlshen.
- Paxman, Edward P., Colchester, England. Construction of internal-combustion engines. 2,436,729, Feb. 24.
- Paxman, Edward P., Colchester, England. Fuel injection device for internal-combustion engines. 2,445,923, July 27.
- Paxman, Edward P., Colchester, England. Construction of internal-combustion engines. 2,454,612, Nov. 23.
- Paxton, Charles N., U. S. Navy. Airplane pilot's seat. 2,442,375, June 1.
- Paxton, Donald D., Burbank, Calif., assignor to Adel Precision Products Corp. Hydraulic selector valve. 2,451,575, Oct. 19.
- Paxton, Gerald C.: *See*—
Stilwell, Glenn E., and Paxton.
- Paxton, Homer W.: *See*—
Ladd, Elbert C., and Paxton.
- Paxton, John W.: *See*—
Hurst, Edmund E., and Paxton.
- Paxton, John W., assignee: *See*—
Goff, Francis L.
- Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Coiling machine. 2,453,724, Nov. 16.
- Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for bending work such as tubing into serpentine coils. 2,454,290, Nov. 23.
- Payne, Charles E., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Continuously variable inductance. 2,452,490, Oct. 26.
- Payne, F. S., Co., assignee: *See*—
Tarbox, Arthur M.
- Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Coupling. 2,443,145, June 8.
- Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,447,663, Aug. 24.
- Payne, John W.: *See*—
Bodkin, Ernest A., and Payne.
- Daley, Henry G., Payne, and Sargent.
- Simpson, Thomas P., and Payne, and Valas.
- Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for forming gel into beads. 2,446,783, Aug. 10.
- Payne, John W., Woodbury, C. V. Hornberg, Wenonah, and R. D. Drew, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for separation of vapors from a contact mass. 2,448,272, Aug. 31.
- Payne, John W., P. D. Valas, E. H. Atwood, Woodbury, and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for washing gel pellets. 2,450,351, Sept. 28.
- Payne, John W., T. P. Simpson, and J. I. Butzner, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Making a substantially alkali-free hydrogel catalyst. 2,453,585, Nov. 9.
- Payne, Paul B.: *See*—
Kevin, Thomas D., and Payne.
- Payne, Ralph W., Washington, D. C. Insulated rail joint. 2,441,329, May 11.
- Payne, Samuel T.: *See*—
Lemonier, Camille R., and Payne.
- Payne, William H., Hinsdale, Ill. Automatically controlling arc furnace electrodes. 2,440,380, Apr. 27.
- Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Container treating machine. 2,447,528, Aug. 24.
- Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Low alloy high tensile strength, high impact strength steel. 2,447,089, Aug. 17.
- Pazzano, Frederick F., Waltham, Mass. Bait-holding casting bob. 2,457,715, Dec. 28.
- Peabody Engineering Corporation, assignee: *See*—
Graham, David P.
- Harmon, Robert R.
- Kopita, Robert.
- Peterson, Eric G., and Graham.
- Vroom, Robert C., and Dunn.
- Peach, Harry L.: *See*—
Karp, Marvin I., and Peach.
- Peachey, Leroy S., Kenosha, and R. P. Knull, Lake Geneva, Wis. Adjustable ring holder for spinning machines. 2,445,966, July 27.
- Peachman, Mary E., assignee, et al.: *See*—
Elder, Esther R.
- Peacock, Arnold L.: *See*—
Lowry, Erwin F., Peacock, and Leyshon.
- Peacock, Arnold L., Danvers, and B. A. Jensen, Boston, assignors to Sylvania Electric Products Inc., Salem, Mass. Glow relay. 2,457,487, Dec. 28.
- Peacock, Willie S., Atlanta, Ga. Crutch. 2,439,316, Apr. 6.
- Peaden, William H., Muskogee, Okla. Cleaning device for conduits. 2,454,884, Nov. 30.
- Peaker, Charles R., Union City, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of synthetic rubber latices. 2,446,101, July 27.
- Peale, Rembrandt, Jr., assignee, trustee: *See*—
Peale, Richard and R., Jr.
- Peale, Richard, Clearfield, Pa., and R. Peale, Jr., Greenwich, Conn., assignors to themselves as trustees. Coal loading and conveying mechanism. 2,457,267, Dec. 28.
- Pealer, Robert B., Garretttsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Abrasive cutoff machine. 2,435,156, Jan. 27.
- Pear, Charles B., Jr., College Park, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. System for improving operation of electrical hygrometers in radiosondes. 2,444,111, June 29.
- Pearce, Albert F., Hampton Hill, and N. C. Barford, Hayes, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device utilizing cavity resonators. 2,444,749, July 6.
- Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Control. 2,448,273, Aug. 31.
- Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Electrical control system. 2,451,576, Oct. 19.
- Pearce, Harold, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Camera diaphragm setting arrangement. 2,435,752, Feb. 10.
- Pearce, Harold, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Apparatus for ophthalmic photography. 2,441,370, May 11.
- Pearce, Leslie O. G., Hammond, Ind., assignor to American Maize-Products Company. Making prolamines. 2,448,002, Aug. 24.
- Pearce, Owen A.: *See*—
McClew, John W., and Pearce.
- Pearce, Stephen F.: *See*—
Bremner, John G. M., Jones, Pearce, and Smith.
- Pearl, Irwin A.: *See*—
Lewis, Harry F., and Pearl.
- Pearl, Irwin A., Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation. Production of organic acids. 2,438,789, Mar. 30.
- Pearl, Irwin A., assignor to The Institute of Paper Chemistry, Appleton, Wis. Production of vanillic acid. 2,441,839, May 18.
- Pearl, Irwin A., Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation. Production of vanillic acid. 2,446,606, Aug. 10.
- Pearlman, Jack, Kew Garden Hills, Long Island, N. Y. Merchandise handling apparatus. 2,442,549, June 1.
- Pearlman, Samuel: *See*—
Darvie, Samuel and I., and Pearlman.
- Pearse, John P.: *See*—
Paddock, Ormond H., and Pearse.
- Pearse, John P., Swanton, and W. P. Bamford, Maumee, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for bending glass. 2,450,297, Sept. 28.
- Pearson, Herbert F., Menomonee Falls, and L. T. Bentzien, Milwaukee, Wis. Cleaner rod guide for gun barrels. 2,447,869, Aug. 24.
- Pearson, John C., Jr., Oklahoma City, Okla. Conveyor belt. 2,435,694, Feb. 10.
- Pearson, John L., Tacoma, Wash. Hat construction and sweatband therefor. 2,439,984, Apr. 20.
- Pearson, John W., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making pressure-sensitive adhesive sheeting. 2,442,876, June 8.
- Pearson, John W., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive sheet. 2,453,258, Nov. 9.
- Pearson, Otto H., assignor to L. N. Strike, Salt Lake City, Utah. Pressing machine tail clamp. 2,456,145, Dec. 14.
- Pearson, Paul E., and A. Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can end treating machine. 2,448,116, Aug. 31.
- Pearson, Paul E., and A. Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Electrolytic can treating machine. 2,448,117, Aug. 31.
- Pearson, Thomas V., and M. Lahood, assignors to Good-year Aircraft Corporation, Akron, Ohio. Reversible tube bender with side angle indicator. 2,436,776, Feb. 24.
- Pearson, Willie T., Vicksburg, Miss. Gyro top. 2,435,364, Feb. 3.

- Peart, Charles J., San Francisco, Calif. Smoking stand. 2,440,783, May 4.
- Pease, Benjamin F., Worcester, Mass. Truss. 2,443,800, June 22.
- Pease, Fred J.: *See—*
Metzger, Leopold H., Muse, and Pease.
- Pease, Lester R., Valyermo, Calif. Stepladder. 2,440,831, May 4.
- Pease, Marshall C., Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Transmission line for radio frequencies. 2,444,206, June 29.
- Pease, William C., III: *See—*
Kemler, Emory N., Pease, and Oglesby.
- Pecher, Lawrence H., Akron, Ohio. Artificial bait. 2,437,549, Mar. 9.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Composite titanium dioxide-metal oxide pigment. 2,437,171, Mar. 2.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Preparation of a stabilized titanium dioxide pigment. 2,441,225, May 11.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Preparation of titanium dioxide. 2,445,691, July 20.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process of and apparatus for producing titanium dioxide. 2,450,156, Sept. 28.
- Peck, Albert C.: *See—*
Fisher, Harmon F., and Peck.
- Peck, Carl M.: *See—*
Smith, Herschel G., Hill, and Peck.
- Peck, Edward B., Elizabeth, N. J., assignor to Standard Oil Development Company. Distillation of oil shale under fluidized conditions. 2,449,615, Sept. 21.
- Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Complex salts of streptomycin and preparing same. 2,446,102, July 27.
- Peck, Robert L., Plainfield, S. A. Harris, Westfield, R. Mazingo, Elizabeth, D. E. Wolf, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. dl-N-cyclohexylacetylserine hexahydrobenzyl amide. 2,447,361, Aug. 17.
- Peck, William F., Buffalo, and K. W. Harper, East Aurora, N. Y., and R. S. Estey, Arlington, Va., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Actuating means for colorimetric apparatus. 2,437,550, Mar. 9.
- Peck, William H., Royal Oak, Mich. Chisel retainer for pneumatic hammers. 2,453,536, Nov. 9.
- Pecker, Anne G., assignee: *See—*
Pecker, Joseph S.
- Pecker, Joseph S., and H. A. Simpson, Philadelphia, Pa.; said Simpson assignor to said Pecker. Forming pressed articles from powders. 2,449,008, Sept. 7.
- Pecker, Joseph S., Upper Darby, Pa., assignor to Dennison Manufacturing Company, Framingham, Mass. Making identification tags. 2,451,355, Oct. 12.
- Pecker, Joseph S., assignor of one-half to A. G. Pecker, Philadelphia, Pa. Viscosity control. 2,452,142, Oct. 26.
- Peckett, Samuel C., Toronto, Ontario, Canada. Means for preparing true surfaces. 2,450,157, Sept. 28.
- Peden, Douglas T.: *See—*
Kline, John E., Peden, and White.
- Pedersen, Alfred, Warren, Pa. Work holder for wood-working machines. 2,455,189, Nov. 30.
- Pedersen, Charles J.: *See—*
Downing, Frederick B., and Pedersen.
- Pedersen, Charles J., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of mercaptans. 2,443,835, June 22.
- Pedersen, Tage, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine fuel supply means. 2,438,251, Mar. 23.
- Pederson, Ben, Chicago, Ill. Paper roll holding fixture. 2,434,368, Jan. 13.
- Pedigo, Benjamin H., Jackson, Tenn. Spark arrester frame for locomotives. 2,438,862, Mar. 30.
- Pedolin, Alex.: *See—*
Jenny, Alfred, and Pedolin.
- Pedrick Tool & Machine Company, assignee: *See—*
Shaw, Ralph M., Jr.
- Peebles, David D., Hillsborough, assignor to Golden State Company, Ltd., San Francisco, Calif. Heating apparatus. 2,452,260, Oct. 26.
- Peebles, David D., Hillsborough, and T. V. Marquis, Santa Cruz, assignors to Western Condensing Company, San Francisco, Calif. Manufacture of milk sugar. 2,439,612, Apr. 13.
- Peebles, David D., Hillsborough, and G. P. Hensley, assignors to Golden State Company, Ltd., San Francisco, Calif. Powder filling apparatus. 2,448,733, Sept. 7.
- Peed, Horace S., Denver, Colo. Window shade roller. 2,445,452, July 20.
- Peek, Robert L., Jr., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave translating device. 2,434,285, Jan. 13.
- Peek, Robert L., Jr., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive compressional wave transmitter or receiver. 2,437,270, Mar. 9.
- Peek, Robert L., Jr., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive device. 2,444,061, June 29.
- Peck, Walter E., assignor to Electronic Laboratories, Inc., Indianapolis, Ind. Direct current voltage doubler. 2,439,860, Apr. 20.
- Peerless of America, Inc., assignee: *See—*
Hoesel, Anthony F.
- Peet, Nick P., Goose Creek, Tex., assignor to Standard Oil Development Company. Catalytic cracking process. 2,449,617, Sept. 21.
- Pegg, Edward H. R., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic dust-precipitator. 2,443,662, June 22.
- Pegg, Edward H. R., Cranford, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Electrostatic coating apparatus and method. 2,447,664, Aug. 24.
- Pegg, Edward H. R., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical cleaning means. 2,448,045, Aug. 31.
- Peglow, Albert H., Milwaukee, Wis. Jack. 2,444,112, June 29.
- Peglow, Walter, Cazenovia, assignor to Carrier Corporation, Syracuse, N. Y. Refrigerator cabinet including means for preventing condensation. 2,441,080, May 4.
- Peillon, Paul, assignor to Salvage & Marine Company of Egypt S. A. E., Cairo, Egypt. Arc welding within hydrocarbon oil. 2,455,441, Dec. 7.
- Pekarek, Edward G.: *See—*
Bartlett, Kenneth M., and Pekarek.
- Pelatoski, Frank V., New Haven, Conn. Molding hollow concrete building units. 2,443,961, June 22.
- Pelc, Stanley, Sharon, Pa. Diesel engine air meter. 2,456,213, Dec. 14.
- Peles, Julius S., New York, N. Y. Birdproofing. 2,456,731, Dec. 21.
- Pelikan, George: *See—*
Munro, George R., and Pelikan.
- Pelle, Frederick H., San Mateo, Calif. Cigarette snuffer. 2,443,709, June 22.
- Pelletiere, Joseph A., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Pulsation absorber. 2,448,118, Aug. 31.
- Pelletiere, Joseph A., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Fluid sampling system. 2,452,143, Oct. 26.
- Pelley, Perry H., assignor to Beech Aircraft Corporation, Wichita, Kans. Window molding. 2,454,975, Nov. 30.
- Peltier, Arthur H., Williston Park, Long Island, N. Y. Mooring device. 2,440,972, May 4.
- Peltier, Walter J., and A. J. Diroff, Monroe, assignors to Woodall Industries Incorporated, Detroit, Mich. Sun visor. 2,454,613, Nov. 23.
- Pelton, Earl L., and C. O. Hutchenreuther, assignors to The Dow Chemical Company, Midland, Mich. Indigosol composition comprising a naphthol sulfonate and applying same. 2,445,632, July 20.
- Pelton Water Wheel Company, The, assignee: *See—*
White, Ira M., and Nelson.
- Pemberton, J. C., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Switching mechanism for electrical computers. 2,446,191, Aug. 3.
- Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. Stitchless billfold with interlocked closure flaps. 2,434,121, Jan. 6.
- Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. Cigarette case. 2,445,001, July 13.
- Pendleton, Irvin, Campbellsburg, Ky. Mail crane. 2,436,226, Feb. 17.
- Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Lamp socket and resistor. 2,457,488, Dec. 28.
- Penfold, Hilliard F., Flushing, and J. P. Della Corte, Forest Hills, N. Y., assignors to Fairchild Camera and Instrument Corporation. Automatic radio compass. 2,449,859, Sept. 21.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Well-head seal. 2,456,081, Dec. 14.
- Penick & Ford, Ltd., Incorporated, assignee: *See—*
Kessler, Carl C., Black, Hicks, and Owen.
- Penick, S. R., & Company, assignee: *See—*
Koons, Harold F.
- Penn Electric Switch Co., assignee: *See—*
De Wilde, Albert N., and Mansfield.
Emmons, Eugene R.
Kearney, Kenneth O.
Miller, Julian P.
Parcareo, Michael.
Penn, Ralph.
Rothwell, John J.
Schell, Paul.
Shaw, Burton E.
- Penn, Frederic H., Dallas, Tex. Emulsified food fats of improved keeping qualities. 2,444,307, June 29.
- Penn, George R., Danville, Va. Cigarette container for household use. 2,434,514, Jan. 13.
- Penn, Ralph, assignor to Penn Electric Switch Co., Goshen, Ind. Switch structure. 2,434,954, Jan. 27.
- Penn, Ralph, assignor to Penn Electric Switch Co., Goshen, Ind. Automatic control system. 2,437,551, Mar. 9.

- Pennell, Ford, assignor to J. B. Pennell, Webster Groves, Mo. Connector bolt. 2,450,158, Sept. 28.
- Pennell, Jane E., assignee: *See*—
Pennell, Ford.
- Pennella, Samuel, Pompton Lakes, N. J. Surface condenser. 2,449,616, Sept. 21.
- Penney, Gaylord W.: *See*—
Baker, Robert M., and Penney.
- Penney, Gaylord W., Wilkinsburg, and G. W. Hewitt, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Precipitator. 2,448,046, Aug. 31.
- Penney, James H., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan-cooled motor. 2,449,502, Sept. 14.
- Penniman, Ira B., assignor to The Weber Dental Manufacturing Co., Canton, Ohio. Relay. 2,443,991, June 22.
- Pennington, Gordon R., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Combination fluid coupling and friction clutch. 2,453,811, Nov. 16.
- Pennington, Gordon R., Bloomfield Hills, Mich. Radio circuit selector switch. 2,455,137, Nov. 30.
- Pennington, Lacy K., Fremont, Mich. Portable scaffold. 2,445,453, July 20.
- Pennow, Willis A., and E. W. Yungman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shutter. 2,449,503, Sept. 14.
- Pennoyer, Douglas H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Range and azimuth simulating system for radar instruction. 2,438,940, Apr. 6.
- Pennsylvania Engineering Works, assignee: *See*—
McFeaters, Harry L.
- Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Burroughs, Samuel G.
Corkery, Frank W.
- Pennsylvania Furnace and Iron Company, assignee: *See*—
De Fries, Joseph H.
- Pennsylvania Railroad Company, The, assignee: *See*—
Keller, William M.
Liebegott, George H.
Nancarrow, Harry L., and Wilson.
Steins, Carleton K.
- Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Parrish, Charles I.
Plump, Ralph E.
Smith, Adrian C., and Staubly.
Sprauer, Jerome W.
- Penny, John K., Grosse Pointe, assignor to Spirex Broach Corporation, Detroit, Mich. Broach. 2,436,325, Feb. 17.
- Pennybacker, Miles, Westport, Conn. Gas discharge lamp. 2,440,832, May 4.
- Pennybacker, Miles, Westport, Conn. Gas discharge lamp. 2,451,043, Oct. 12.
- Penrose, William F., Summit, N. J., assignor to Empire Electric Brake Company. Brake control apparatus. 2,454,291, Nov. 23.
- People of the State of New York, The, assignee: *See*—
Fangborn, Mary C.
- Pensak, Louis: *See*—
Nergaard, Leon S., Burnside, and Pensak.
- Pensyl, Daniel S., Garden City, N. Y., assignor to The Sperry Corporation. Automatic volume control for pulse systems. 2,440,289, Apr. 27.
- Pensyl, Daniel S., Garden City, N. Y., assignor to The Sperry Corporation. Electronic circuit. 2,443,195, June 15.
- Pentecost, Lionel G., Portland, Oreg. Honing device. 2,445,492, July 20.
- People in the Territory of the United States, Dedicated to the free use of the: *See*—
Carlsen, John A.
Cupples, Homer L.
Fleck, Almer E., and Preston.
Holst, Eugene C.
Leviton, Abraham.
Limbach, John P., and B. H. Paul.
McGovran, Edward R., and Gersdorff.
Ostrom, Carl E., and Schompfeyer.
Potts, Samuel E., and Spencer.
Sweet, Carroll V.
Weyl, Woldemar A., and Williams.
- Peppersack, Francis J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Access door for liquid containers. 2,457,066, Dec. 21.
- Peppel, William J., Lodi, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Preparation of unsaturated alcohols. 2,448,047, Aug. 31.
- Pepper, John A.: *See*—
Archer, John M., and Pepper.
- Pequet, Aubrey J., Grand Rapids, Mich. Display rack for rolls. 2,442,934, June 8.
- Perazzo, Peter L., Napa, Calif. Rod bender. 2,456,532, Dec. 14.
- Percival, William S., Ealing, London, assignor to Electrical & Musical Industries Limited, Hayes, Middlesex, England. High frequency tuner. 2,442,615, June 1.
- Percy, Joseph H.: *See*—
Keim, Gerald I., Ross, and Percy.
- Perdew, William E., Kechi Township, Sedgwick County, assignor to Globe Oil & Refining Company, Wichita, Kans. Regenerating a solid desiccating agent. 2,440,784, May 4.
- Pereira, Leonard, Astoria, N. Y. Automatic soldering iron feeding attachment. 2,444,267, June 29.
- Perelles, Maurice, East Orange, N. J. Spark plug. 2,436,973, Mar. 2.
- Perelson, Harold N., Huntington Park, Calif. Dispensing closure. 2,439,985, Apr. 20.
- Peremi, Edmund, Bayside, Long Island, and L. Toth, Flushing, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Window construction. Re. 23,045, Oct. 19.
- Perez, Horacio E., Valhalla, N. Y. Windshield wiper motor. 2,455,089, Nov. 30.
- Perez, Stephen J., assignor of one-half to J. M. Murray, Rochester, N. Y. Cam cutter. 2,435,900, Feb. 10.
- Perfect Circle Company, The, assignee: *See*—
Teetor, Ralph R.
- Perfect Circle Corporation, assignee: *See*—
Mummert, Arden J., and Phillips.
Thompson, Joseph C.
- Perfection Manufacturing Corporation, assignee: *See*—
Dinesen, Laurits.
- Perfection Patents Inc., assignee: *See*—
Williams, John J.
- Perfection Steel Body Company, The, assignee: *See*—
Brick, Perry A.
Seckel, Wallace H.
Wagner, William A.
- Perfection Stove Company, assignee: *See*—
Resek, Marc, Focke, and Kirkpatrick.
- Perfex Corporation, assignee: *See*—
Malone, Homer E., and Traver.
- Perham, James A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Switch handle for portable electric tools. 2,450,380, Sept. 28.
- Perish, Peter W.: *See*—
Dolza, John, Croissant, Gaubatz, and Perish.
- Peritz, Bernard B., New York, N. Y. Cuticle stick and nail cleaner. 2,437,834, Mar. 16.
- Perkins, Alwin E., Kilburn, London, assignor of one-half to J. L. Burton, London, England. Pocket lighter. 2,434,515, Jan. 13.
- Perkins, Baker Limited, assignee: *See*—
Pointon, John E., and Tunley.
- Perkins, Donald G., Chestertown, Md., assignors to E. R. Squibb & Sons, New York, N. Y. Sulfa preparation for animal mastitis. 2,453,259, Nov. 9.
- Perkins, George C. H., Hamilton, Mass. Pivoted bender with reversible clamp and former. 2,455,138, Nov. 30.
- Perkins, George S., Kew Gardens, Long Island, assignor to National Equipment Co., New York, N. Y., a copartnership composed of J., H., S., and S. Greenberg. Rapping mechanism for confection coating machines. 2,446,386, Aug. 3.
- Perkins, James F., Oakland, Calif. Prerotation means for airplane landing wheels. 2,451,771, Oct. 19.
- Perkins, John, London, England. Device for sharpening drills. 2,439,144, Apr. 6.
- Perkins, Julian L., West Springfield, Mass., assignor, by mesne assignments, to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Drive mechanism. 2,453,586, Nov. 9.
- Perkins, Kenneth, Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Molded impeller. 2,454,200, Nov. 16.
- Perkins Machine and Gear Company, assignee: *See*—
Croft, Hiram D.
Deloghia, Louis E.
Oakley, John.
- Perkins, Ralph E., Ashland, Mass. Flatiron holder bracket. 2,456,987, Dec. 21.
- Perkins, Raymond H.: *See*—
MacLeod, Douglas W., and Perkins.
- Perkins, Roderick B., Jr., Houston, Tex., assignor, by mesne assignments, to Petrolite Corporation, Ltd., Wilmington, Del. Removing impurities from hydrocarbons. 2,447,529, Aug. 24.
- Perkins, Roderick B., Jr., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Purifying oils. 2,447,530, Aug. 24.
- Perkins, Ronald R., Dallas, Tex. Butter slicer. 2,457,716, Dec. 28.
- Perley, George A., Wyncote, assignor to Leeds and Northrup Company, Philadelphia, Pa. pH-responsive glass electrode. 2,444,845, July 6.
- Perman, Horace C., Waterloo, Iowa. Load moving machine. 2,453,755, Nov. 16.
- Permanente Metals Corporation, The, assignee: *See*—
Anderson, Harold P.
Austin, Leslie W.
Church, Howard.
Collins, Neil R., Mower, and Church.
Fisher, Harmon F.
Fisher, Harmon F., and Peck.
Hansging, Fritz J.
Van Loenen, William F.
Woodard, Teynham, Vettel, and Scandrett.
- Permotlux Corporation, assignee: *See*—
Gilman, Webster, E.

- Permutit Company, The, assignee: *See*—
Pick, Eric, and Carlson.
Sussman, Sidney.
- Permutite Company, The, assignee: *See*—
Calmon, Calvin.
- Pernini, Henry M., Chicago, and Nano F. Contardi, Highland Park, Ill. Hot clamp. 2,439,347, Apr. 6.
- Peroutky, Donald C.: *See*—
Wargin, Edward F., and Harkness, and Peroutky.
- Perreau, Armand R. E. A., Lyon, France; vested in the Attorney General of the United States. Metallic cushion tire. 2,435,599, Feb. 10.
- Perret, Henri, Zug, Switzerland, assignor to Landis & Gyr, A. G. Relay for reliable operation with definite excitation. 2,455,699, Dec. 7.
- Perretti, Attilio, Milan, Italy. Atomizing oil burner. 2,457,067, Dec. 21.
- Perrigo, Albert E. B., assignor to H. Frost and Company Limited, Walsall, England. Slot closer for dynamo-electric machines. 2,451,633, Oct. 19.
- Perrin, William H., Grand Rapids, Mich. Child's toilet seat. 2,454,199, Nov. 16.
- Perrine, John H.: *See*—
Bruun, Johannes H., and Perrine.
- Perron, Marcel P.: *See*—
Mizuet, Paul L. J., and Perron.
- Perrucci, Cosimo: *See*—
Eck, Herbert P., Karlan, and Perrucci.
- Perry, Cam R., and J. C. McCormack, assignors, by mesne assignments, to White Metal Awning Company, Pensacola, Fla. Awning. 2,441,081, May 4.
- Perry, Charles, Bexley, England, assignor to Vickers-Armstrongs Limited. Cam profiling machine. 2,456,146, Dec. 14.
- Perry, Clarence J., Los Angeles, Calif. Plumber's snake and feeding device therefor. 2,450,486, Oct. 5.
- Perry, Julian P., Holicong, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,296, Apr. 27.
- Perry, Leslie K., Los Angeles, Calif. Tilt-actuated switch. 2,449,177, Sept. 14.
- Perry, Melvin W., Algoma, Wis. Holding frame for core strips. 2,455,268, Nov. 30.
- Perry, Richard G.: *See*—
Dreyfus, Henry, Finlayson, and Perry.
- Perry, Sydney V., West Collingswood, N. J., assignor to Radio Corporation of America. Electrical calculator. 2,436,666, Feb. 24.
- Persak, Carl, Wallington, N. J. Vaporizer. 2,453,455, Nov. 9.
- Persons, Charles A., and J. G. S. Robinson, Worcester, assignors to Persons-Majestic Manufacturing Company, Worcester, Mass. Mechanical siren. 2,434,516, Jan. 13.
- Persons-Majestic Manufacturing Company, assignee: *See*—
Persons, Charles A., and Robinson.
- Personal Products Corporation, The, assignee: *See*—
Ganz, Henry.
- Persson, Tage G., Bloomfield, N. J. Hooks. 2,453,670, Nov. 9.
- Pervier, Charles F., Port Washington, assignor to Harnischfeger Corporation, Milwaukee, Wis. Engine cooling, cylinder, jacket, and head construction. 2,457,717, Dec. 28.
- Perwas, Ludwig F., Bronx, N. Y. Fountain pen. 2,449,567, Sept. 21.
- Pescara, Raul P., assignee: *See*—
Huber, Robert.
- Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Production of crystals. 2,447,862, Aug. 17.
- Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Art of metallizing nonmetallic bodies. 2,456,082, Dec. 14.
- Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Closing tube ends by dipping in molten solder. 2,457,599, Dec. 28.
- Pestrecov, Konstantin, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Three element objective lens. 2,453,260, Nov. 9.
- Pete, Charles A., Lufkin, Tex. Pencil grip gauge. 2,440,913, May 4.
- Peter, Leslie H., London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company, Pittsburgh, Pa. Apparatus for effecting and controlling the inflation of pneumatic tires for vehicle wheels. 2,452,527, Oct. 26.
- Peters, Allen F., Philadelphia, Pa. Starch dispersion and making it. 2,435,901, Feb. 10.
- Peters, Alva E., Olney, Ill. Pipe-bending machine. 2,451,302, Oct. 12.
- Peters, Burns C., Giddings, Tex. Topography plotting device. 2,453,261, Nov. 9.
- Peters, Byron M., Lathrop, Calif. Motor driven rotary cultivator. 2,440,757, May 4.
- Peters, Carl, St. Louis, Mo. Muffler. 2,440,009, Sept. 7.
- Peters, Chauncey G., Calvert County, Md., F. K. Harris, Washington, D. C., W. B. Emerson, York County, Maine, I. L. Cooter, Arlington, Va., and K. F. Neffen, Elkins, W. Va., assignors to the United States of America as represented by the Secretary of Commerce. Diamond die production and the like. 2,438,941, Apr. 6.
- Peters, George E., and L. E. Russell, assignors to Peters & Russell, Inc., Springfield, Ohio. Pump. 2,455,946, Dec. 14.
- Peters, Harry, and C. D. Pierson, assignors to The Raymond Bag Company, Middletown, Ohio. Sleeve inserting device for valve bags. 2,442,431, June 1.
- Peters, Harry C., assignor to The T. L. Smith Company, Milwaukee, Wis. Seal for chutes of concrete mixers. 2,454,940, Nov. 30.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Method and machine for making can bodies. 2,444,465, July 6.
- Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
- Peters, John H., Toledo, Ohio. Telescopic fishing rod. 2,452,788, Nov. 2.
- Peters, Joseph M., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Chuck. 2,453,262, Nov. 9.
- Peters, Melville F., Beltsville, Md., and J. J. Phillips, Irvington, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Dehydrator for ignition systems. 2,442,015, May 25.
- Peters & Russell, Inc., assignee: *See*—
Peters, George E., and Russell.
- Peters, Vladimir, Lakewood, assignor to The Lincoln Electric Company, Cleveland, Ohio. Apparatus for arc welding. 2,441,507, May 11.
- Peters, Walter, Linden, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,445,633, July 20.
- Peters, Walter, Linden, assignor to The Thomas & Betts Co., Elizabeth, N. J. Hole closure knockout plug. 2,444,268, June 29.
- Petersdorf, Walter M., Milwaukee, Wis. Lamp. 2,445,079, July 13.
- Petersen, Alfred, Chicago, Ill. Lawn mower attachment. 2,443,080, June 8.
- Petersen, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Remote control system. 2,446,607, Aug. 10.
- Petersen, Harry E., Waterloo, Iowa, assignor to Deere Manufacturing Co. Starting control mechanism for internal-combustion engines. 2,437,121, Mar. 2.
- Petersen, John H.: *See*—
Ingalls, David, and Petersen.
- Petersen, Julius, Cleveland Heights, Ohio, assignor to General Electric Company. Filament coiling apparatus. 2,439,904, Apr. 20.
- Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Mill. 2,441,901, May 18.
- Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Feeding and weighing apparatus. 2,447,594, Aug. 24.
- Petersen, Norman L., Nichols, Conn. Clothesline support. 2,444,879, July 6.
- Petersen Oven Company, The, assignee: *See*—
Mueller, William L., and Skarin.
- Stroman, Jack L.
- Petersen, Paul E.: *See*—
Crampton, Donald K., Petersen, and Wood.
- Petersen, Robert W., San Bernardino, Calif. Fuel injector control dial gauge. 2,449,137, Sept. 14.
- Petersen, Russell D., Bremerton, Wash. Cutting machine attachment. 2,436,401, Feb. 24.
- Petersen Showcase & Fixture Company, assignee: *See*—
Dunkin, Albert.
- Petersen, Tor, Stockholm, Sweden. Hand grenade. 2,437,001, Mar. 2.
- Peterson, Albert and R., St. Clements, Manitoba, Canada. Pivoted pawl ratchet wrench with radially-slotted head and socket. 2,456,838, Dec. 21.
- Peterson, Albert C., Park Ridge, and R. A. Hayes, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,446,342, Aug. 3.
- Peterson, Alfred, Wheaton, Ill. Antiskid chain. 2,457,068, Dec. 21.
- Peterson, Anton U., Chicago, and A. J. Meyer, River Forest, Ill., said Meyer assignor to said Peterson. Multiple toggle clamping means for vices and the like. 2,454,744, Nov. 23.
- Peterson, Arthur L., Long Beach, Calif. Double-ended multiple jaw pliers. 2,446,022, July 27.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Heddle release mechanism. 2,447,274, Aug. 17.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Winder. 2,449,788, Sept. 21.
- Peterson, C. Lynn, Salt Lake City, Utah. Making food product. 2,440,699, May 4.
- Peterson, C. Lynn, assignor to Peterson Filters and Engineering Co., Salt Lake City, Utah. Scraping device for rotary drum filters. 2,444,466, July 6.
- Peterson, Carl D., deceased, and E. J. Barth; M. F. Peterson executrix, assignors to Dana Corporation, Toledo, Ohio. Power take-off. 2,438,183, Mar. 23.
- Peterson, Carl D., and A. H. Deimel; said Deimel and M. F. Peterson, executrix of said C. D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio. Fluid seal. 2,440,155, Apr. 20.
- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Transmission mechanism. 2,450,056, Sept. 28.

- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Control system for transmission mechanisms. 2,454,614, Nov. 23.
- Peterson, Carl J.: *See*—
Redward, Dorothy B., and Peterson.
- Peterson, Clarence F., Filer, Idaho. Boat trailer. 2,448,119, Aug. 31.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Timing device. 2,456,018, Dec. 14.
- Peterson, Edward T., Reading, Pa. Wearing plates for crushers. 2,441,205, May 11.
- Peterson, Eric G., New York, and D. P. Graham, Westbury, assignors to Peabody Engineering Corporation, New York, N. Y. Gas heater. 2,446,059, July 27.
- Peterson, Eric O., Bridgeport, D. I. Wright, Westport, and H. T. Heaton, Milford, Conn., assignors to General Electric Company. Inductance unit. 2,455,875, Dec. 7.
- Peterson, Eugene: *See*—
Manley, Jack M., and Peterson.
- Peterson Filters and Engineering Co., assignee: *See*—
Peterson, C. Lynn.
- Peterson, Fred W., El Centro, Calif., and O. S. Kirschner, Vashon, Wash. Clavicle splint. 2,450,298, Sept. 28.
- Peterson, Fritz R., Denver, Colo. Folding clothes hanger. 2,451,114, Oct. 12.
- Peterson, George N.: *See*—
Kronoff, Clarence R., and G. N. Peterson.
- Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for multi-stack magazines. 2,440,523, Apr. 27.
- Peterson, Glen, Asbury Park, N. J. Radiotelegraphy super-regenerative receiver. 2,450,913, Oct. 12.
- Peterson, Harold A., Madison, Wis., assignor to General Electric Company. Network analyzer apparatus. 2,453,954, Nov. 2.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling. 2,457,268, Dec. 28.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Tube reactance and modulator. 2,443,746, June 22.
- Peterson, Henning E., Duluth, Minn. Perforators for printing presses. 2,434,624, Jan. 13.
- Peterson, Howard B.: *See*—
Jacobs, Samuel S., and Peterson.
- Peterson, James H.: *See*—
Keats, John L.
- Peterson, James H., Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide production. 2,448,683, Sept. 7.
- Peterson, John A., Los Angeles, Calif. Container. 2,435,096, Jan. 27.
- Peterson, Liss C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency translating apparatus. 2,442,662, June 1.
- Peterson, Marion F., executrix: *See*—
Peterson, Carl D., and Barth.
- Peterson, Marion F., executrix: *See*—
Peterson, Carl D., and Deimel.
- Peterson, Mauritz P.: *See*—
Ames, Robert S., Peterson, and Feldscher.
- Peterson, Mauritz P. H.: *See*—
Ames, Robert S., McCullough, and Peterson.
- Peterson, Mauritz P. H., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Female jig for centrifugal formation of sheet thermoplastics. 2,448,274, Aug. 31.
- Peterson, Oscar R., Oakland, and R. A. Peterson, San Leandro, Calif. Cable winch. 2,442,510, June 1.
- Peterson, Ove, Gentofte near Copenhagen, Denmark. Internal-combustion engine with double-acting crosshead scavage pump. 2,453,639, Nov. 9.
- Peterson, Peter A., and H. Siebert, South St. Paul, Minn. Electric vehicle turn indicator. 2,436,667, Feb. 24.
- Peterson, Ralph G., Long Beach, Calif. Docking strut. 2,434,673, Jan. 20.
- Peterson, Raymond A., assignor, by mesne assignments, to United Geophysical Company, Inc., Pasadena, Calif. Submersible seismometer system. 2,449,085, Sept. 14.
- Peterson, Robert: *See*—
Peterson, Albert.
- Peterson, Robert A.: *See*—
Peterson, Oscar R. and R. A.
- Peterson, Robert E., Danvers, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound pickup device. 2,452,068, Oct. 26.
- Peterson, Roy E., Norwalk, and H. M. Larsen, Fairfield, assignors, by mesne assignments, to Hotchkiss Realty Corporation, Norwalk, Conn. Staple driving implement. 2,437,039, Mar. 2.
- Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Method of and apparatus for making brushes. 2,449,668, Sept. 21.
- Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Sheet brushing apparatus. 2,453,339, Nov. 9.
- Peterson, Thomas F., Shaker Heights, Ohio. Shielded cable. 2,446,387, Aug. 3.
- Peterson, Victor W., Chicago, Ill., assignor to Hannifin Corporation. Cylinder honing. 2,439,317, Apr. 6.
- Peterson, Wayne O., Moorehead, Minn. Stereotype casting machine. 2,442,246, May 25.
- Peterson, William J., Minneapolis, assignor to Superior Separator Company, Hopkins, Minn. Screen clearing mechanism for grain and seed sizing machines. 2,443,543, June 15.
- Peterson, William R., assignee: *See*—
Krupp, Charles E., and Peterson.
- Peterson, William R., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Valve bag filler. 2,437,172, Mar. 2.
- Peterson, William W., Mankato, Minn. Governor (speed responsive type). 2,454,565, Nov. 23.
- Petitjean, Charles: *See*—
Wehrli, Walter, and Petitjean.
- Petkoff, Theodore W., Evansville, Ind. Driving attachment for motorcycles. 2,440,116, Apr. 20.
- Petrasko, Harry O., assignor to James Manufacturing Company, Fort Atkinson, Wis. Automatic cleaning device for battery brooders. 2,448,120, Aug. 31.
- Petree, Jay R., Fayetteville, assignor to Crouse-Hinds Company, Syracuse, N. Y. Grounding fitting. 2,452,491, Oct. 26.
- Petri, Edward W., and F. H. Seeley, Fort Plain, N. Y. Lawn mower. 2,453,587, Nov. 9.
- Petrino, Sebastian A., Brooklyn N. Y. De-emulsification of water gas tar emulsions and oil gas tar emulsions. 2,448,684, Sept. 7.
- Petro-Chem Process Company Incorporated, assignee: *See*—
Swanson, Harry R.
Wallis, John S., and Throckmorton.
- Petroff, Sergius, and A. E. Pratts, Manila, P. I. Producing gasoline and other hydrocarbons from coconut oil and related animal and vegetable oils and fats. 2,437,438, Mar. 9.
- Petrokubi, John L.: *See*—
Feild, Theophilus A., Jr., Rugeley, and Petrokubi.
- Petroleum Essentials, Incorporated, assignee: *See*—
Hall, Richard C.
- Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
De Groote, Melvin, and Keiser.
De Groote, Melvin, and Pettigill.
DeGroote, Melvin, and Wirtel.
Dom, John M.
Perkins, Roderick B., Jr.
Turner, Delber W.
- Petrosino, Victor, Wheeling, W. Va. Compensating means for sole sewing machines. 2,444,062, June 29.
- Petrullo, Felice, Jersey City, N. J., assignor to Industrial Patents Corporation, Chicago, Ill. Elevator switch. 2,438,094, Mar. 16.
- Petruschell, Lucius P., Mount Dora, Fla., assignor to Dictaphone Corporation, New York, N. Y. Electronic amplifier control circuit. 2,441,840, May 18.
- Petruschell, Lucius P., Mount Dora, Fla., assignor to Dictaphone Corporation, New York, N. Y. Commercial phonograph signal device. 2,456,592, Dec. 14.
- Petry, Stanton H., Evanston, and H. S. Snyder, assignors to Victor Adding Machine Co., Chicago, Ill. Portable collimator apparatus for testing the gyroscope and optical system of bomb-sights. 2,451,409, Oct. 12.
- Petschauer, Beryl B., Oakland, Calif. Collure for dolls. 2,449,248, Sept. 14.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Knife frame attaching means for multiple reciprocating blade bread slicing machines. 2,437,122, Mar. 2.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Blade mounting means for multiple blade bread slicing machines. 2,437,123, Mar. 2.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Feeding device for multiple blade bread slicing machines. 2,437,124, Mar. 2.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Web roll support. 2,445,080, July 13.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Pusher conveyor. 2,443,010, June 8.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Web handling means for bread wrapping machines. 2,443,011, June 8.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Mechanical movement. 2,451,303, Oct. 12.
- Pettersen, Wilber E., Akron, assignor, by mesne assignments, to Coleman-Pettersen Corporation, Cleveland, Ohio. Bending machine with pivoted bender carrying a work supporting arm. 2,449,409, Sept. 14.
- Pettibone Mulliken Corporation, assignee: *See*—
Nordberg, Charles H.
Piper, Walter F., and Soldat.
- Pettigrew, Charles P.: *See*—
Herath, Russell A., and Pettigrew.
- Pettingill, Owen H.: *See*—
De Groote, Melvin, and Pettingill.
- Pettingill, Russell J., Superior, Wis. Adjustable battery carriage. 2,435,463, Feb. 3.
- Pettinos, George F., Merion, Pa. Sandblast nozzle. 2,440,643, Apr. 27.

- Pettipiece, John J., Powell, Wyo. Motor attachment for tractors. 2,456,019, Dec. 14.
- Pettitt, Bertie A., assignee: *See*—
Horrigan, John G.
- Pettus, James L., Sherman Oaks, Calif., assignor to Radio Corporation of America. Light modulator mount. 2,452,322, Oct. 26.
- Petty, Genevieve, Denver, Colo. Tag holder for laundry marking machines. 2,442,094, May 25.
- Pettyjohn, Norman D., Binghamton, N. Y. Nail polish mask. 2,454,004, Nov. 16.
- Pettyjohn, Theodore, Crosby, and R. T. Stickel, Deerwood, Minn. Linoleum dispenser. 2,446,103, July 27.
- Petyak, Stephen, Fort Mitchell, Ky. Container carrier. 2,443,116, June 8.
- Petzinger, Ambrose J., Passaic, and R. V. Adams, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,454,201, Nov. 16.
- Pevere, Ernest F., Beacon, L. A. Clarke, Fishkill, and G. B. Hatch, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Alkylation of hydrocarbons. 2,443,694, June 22.
- Pevney, Paul, Massapequa, N. Y., assignor to Republic Aviation Corporation. Fluid-tight seal for rigid members. 2,441,206, May 11.
- Pevney, Paul, Massapequa, N. Y., assignor to Republic Aviation Corporation. Fluidtight seal for flexible members. 2,444,113, June 29.
- Pevney, Paul, Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Coordinated lock, equalizing valve and closure seal. 2,444,114, June 29.
- Pew, Thomas C., assignor to Hoover Ball and Bearing Company, Ann Arbor, Mich. Pillow block bearing. 2,451,115, Oct. 12.
- Pezzella, Elizabeth, assignor to F. Pezzella, Philadelphia, Pa. Drapery hanger. 2,435,183, Jan. 27.
- Pezzella, Filomeno, assignee: *See*—
Pezzella, Elizabeth.
- Pfahl, Wilbert C., Silver Lake, Ohio. Truss. 2,454,833, Nov. 30.
- Pfann, Harry F., Greenwich, and J. K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of piperazine. 2,454,404, Nov. 23.
- Pfann, William G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming a point at the end of a wire. 2,434,286, Jan. 13.
- Pfaudler Co., The, assignee: *See*—
Greene, Otto W.
- Pfeffer, Anton W., Spokane, Wash. Dryer frame. 2,438,324, Mar. 23.
- Pfeffer, David, New York, N. Y. Interchangeable jewel mounting. 2,436,120, Feb. 17.
- Pfeffer, Edward C., Jr., Troy, assignor to Continental Can Company, Inc., New York, N. Y. Glass cloth spotting material. 2,455,802, Dec. 7.
- Pfeffer, Edward C., Jr., Troy, and L. M. Miller, Albany, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stitchless shirt collar and making it. 2,435,509, Feb. 3.
- Pfeffer, Edward C., Jr., and J. Epelberg, assignors to Cluett, Peabody & Co., Inc., Troy, N. Y. Stabilizing against shrinkage textile materials of regenerated cellulose. 2,436,076, Feb. 17.
- Pfeffer, William B., assignor, by mesne assignments, to P. Mood, L. Void, L. Mood, and W. E. Pfeffer, co-partners trading under the name of The Electro-Mechanical Instrument Company, Perkasia, Pa. Electrical measuring instrument. 2,446,431, Aug. 3.
- Pfell, Arthur P., Williamsville, N. Y. Umbrella. 2,439,752, Apr. 13.
- Pfeiffer, Conrad L.: *See*—
Lea, George D., and Pfeiffer.
- Pfeiffer, John W., Red Oak, Iowa. Automatic hitch. 2,441,285, May 11.
- Pfeiffer, William H., Seattle, Wash. Hearse. 2,454,566, Nov. 23.
- Pfell, William C., Chicago, Ill. Ice-cubing machine. 2,440,872, May 4.
- Pfennig, Reuben F., Goose Creek and M. H. Gertz, Baytown, Tex., assignors to Standard Oil Development Company. Production of vulcanizable isobutylene-isoprene copolymers. 2,434,582, Jan. 13.
- Pfletcher, Theophil J., Norwalk, Wis. Cover and filter for milker pails. 2,445,122, July 13.
- Pfister, Harry C., Long Beach, assignor to U. S. Slicing Machine Company, La Porte, Ind. Food tendering machine. 2,438,184, Mar. 23.
- Pfister, Karl, III, Summit, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of threonine and derivatives thereof. 2,446,192, Aug. 3.
- Pfister and Vogel Tanning Company, assignee: *See*—
Johnson, William C.
- Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,434,287, Jan. 13.
- Pfeger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit equalization. 2,444,063, June 29.
- Pfeumer, Hans, New Brunswick, N. J. Canning jar. 2,449,316, Sept. 14.
- Pfrehm, Harry J., Houston, Tex. Recessing tool. 2,457,269, Dec. 28.
- Phair, Robert S.: *See*—
Callender, Edwin M., and Phair.
- Phaneuf, Wilrose J., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Saw-tooth surface broach. 2,439,822, Apr. 20.
- Pharmaceutical Organics Inc., assignee: *See*—
Freeman, Joel G.
- Phelan, Hubert S., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Actuating valve with opposed unequal areas. 2,453,812, Nov. 16.
- Phelps, Clyde H., Springfield, Ill., assignor, by mesne assignments, to Weaver Engineering Co. Balance-testing machine rotor suspension system. 2,457,718, Dec. 28.
- Phelps Dodge Corporation, assignee: *See*—
Kingsbury, Albert W., and Osborn.
- Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Exhaust tube assembly. 2,441,841, May 18.
- Phelps, Louis E., Shreveport, La. Spring type guide for commode tanks. 2,450,609, Oct. 5.
- Phelps, Walter A.: *See*—
Kinkead, Fullerton S., Phelps, Smith, Singer, and Melhuish.
- Philadelphia Quartz Company, assignee: *See*—
Baker, Chester L., and Sams.
Hay, Harold R.
Wegst, Walter F., and Wills.
- Philbin, William A., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass handling device. 2,452,392, Oct. 26.
- Philbrick, George A., Sharon, and A. R. Catheron, Needham, assignors to The Foxboro Company, Foxboro, Mass. Altitude and rate of change measuring device and control for aircrafts. 2,445,335, July 20.
- Philco Corporation, assignee: *See*—
Albright, Robert B.
Ames, Millard E., Jr., and Sunstein.
Baclawski, Theodore.
Bates, Harold S., and Robinson.
Bauman, John J.
Bingley, Frank J.
Bocciarelli, Carlo V.
Boothroyd, Wilson P.
Bradley, William E.
Bramley, Arthur.
Branson, Harry.
Clapp, Richard G.
Curtiss, George E., Jr.
Dailey, Donald E.
Dolberg, Charles E.
Dunn, James C.
Fry, Sedgwick T.
Gassel, William, and Gritz.
Hall, Russell M.
Heilig, Charles E., Jr.
Johnson, Nels, and Bradley.
Jones, Welton P.
Kinnier, Donald.
Lewinter, Sidney W.
Mankin, Arthur H.
Matthews, Alfred C.
McKee, Kenneth R.
Montgomery, Andrew P.
Moore, Robert C.
Nichol, Arthur V.
Rudoy, William.
Rundell, Theodore W.
Shoemaker, Malcolm G.
Smith, David B.
Smith, Helen E.
Spielman, Sterling C.
Stewart, William A.
Sunstein, David E.
Tellier, Joseph C., and Wilson, Jr.
Terry, Matson C.
Tiley, John W.
Tiley, John W., and Sunstein.
Tompkins, Howard E.
- Phillip, George, Detroit, Mich. Door casement and forming the same. 2,454,523, Nov. 23.
- Phillipp, Howard J., New Orleans, La., assignor to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Method of treating tire cord. 2,444,064, June 29.
- Phillipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,444,667, July 6.
- Phillips Laboratories, Inc., assignee: *See*—
Chaldin, Norman L.
Kloos, Gerard.
- Phillips, Ben and M., Planada, Calif. Loading and transporting device. 2,447,959, Aug. 24.
- Phillips, Clovis H., Florence, Ala. Electric vehicle direction indicator. 2,453,931, Nov. 16.
- Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Rotatable electrical connection. 2,449,138, Sept. 14.
- Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Electrical swing joint. 2,452,144, Oct. 26.
- Phillips, Edwin R., Evanston, assignor to Morton Salt Company, Chicago, Ill. Tube forming machine. 2,453,537, Nov. 9.

- Phillips, George R., Birmingham, Ala. Educational device. 2,435,097, Jan. 27.
- Phillips, Harold P.: *See—*
Mummert, Arden J., and H. P. Phillips.
- Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Forming piston ring elements of ribbon steel. 2,436,227, Feb. 17.
- Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Firing mechanism for guns. 2,440,381, Apr. 27.
- Phillips, Homer L., Charleston, W. Va. Electrode extension. 2,445,363, July 20.
- Phillips, James M., assignor to Phillips Mine and Mill Supply Company, Pittsburgh, Pa. Mine roof support. 2,441,330, May 11.
- Phillips, John G., executor, et al.: *See—*
Watson, Thomas J., Beattie, and Fuller.
- Phillips, John J.: *See—*
Peters, Melville F., and Phillips.
- Phillips, Joseph, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Light stability of petroleum waxes. 2,444,269, June 20.
- Phillips, M. A., assignee: *See—*
Eidson, Greyburn T., Moore, and Phillips.
- Phillips, Marin, assignor to the Appleton Coated Paper Company, Appleton, Wis. Paper drying apparatus. 2,440,346, Apr. 27.
- Phillips, Merle: *See—*
Phillips, Ben and M.
- Phillips Mine and Mill Supply Company, assignee: *See—*
Phillips, James M.
- Phillips Petroleum Company, assignee: *See—*
Axe, William N.
Bottenberg, Kenneth C., and Richardson.
Boyd, James H., Jr.
Buell, Charles K., and Weinaug.
Bunn, George P., and Pankratz.
Carnell, Paul H.
Clark, Alfred.
Creel, William H.
De Boisblanc, Deslonde R.
De Boisblanc, Deslonde R., and Barton.
Drennan, Harry E.
Dutcher, Harris A.
Flatford, William R., and Crawford.
Fleming, Harold W.
Frey, Frederick E.
Frey, Frederick E., McKinney, and Wood.
Garretson, Owen L.
Gibbs, Frank C., Jr., Baird, and Brosamer.
Gibson, James D.
Guyer, Jesse A.
Hachmuth, Karl H.
Hallier, Albert H., Harris, Kincaid, Denson, and Davis.
Helmers, Carl J.
Hepp, Harold J.
Hillyer, John C., and Nicewander.
Himel, Chester M.
Himel, Chester M. and Bailey.
Hovey, Roger S., and Carnell.
Hudson, Thomas B., and Upham.
Jennings, Gerald F.
Johnson, Paul H., and Parker.
Kelley, Carl S.
Latchum, John W., Jr.
Latchum, John W., Jr., and Connors.
Latchum, John W., Jr., Pickett, and Evans.
Legatski, Harold R.
Loy, John W.
Lyon, Joseph P., Jr.
Maguire, Bernard G.
Matuszak, Maryan P.
Meyers, Charles O.
Morris, Lloyd C.
Olson, Andrew R.
Pietz, Raymond G.
Quigg, Harold T.
Reading, George R., and Vinyard.
Roberts, Perry L.
Robinson, Sam P.
St. Clair, Theodore A.
Scarth, Virgil.
Schribner, Allison K., and Wilder.
Schulze, Walter A.
Schulze, Walter A., and Crouch.
Schulze, Walter A., and Hillyer.
Schulze, Walter A., and Mahan.
Thodos, George.
Thodos, George, and Weinaug.
Upham, John D.
Upham, John D., and Wolk.
Vautrain, Lucien H.
Vinyard, Roy E.
Vinyard, Roy E., Roach, and Skinner.
Waddill, Paul M.
Wagner, Cary R.
Weber, Louis J.
Whaley, Thomas H.
Wobker, Burle F.
- Phillips, Raymond L., Minneapolis, Minn. Bookholder for bedsteads. 2,448,734, Sept. 7.
- Phillips, Townner H., Portland, Ore. Animated toy. 2,457,270, Dec. 28.
- Phillips, Walter A., Salinas, Calif. Highway and street traffic marking and method and apparatus for making. 2,438,764, Mar. 30.
- Phillips, William E., Drexel Hill, and F. Wunsch, assignors to Leeds and Northrup Company, Philadelphia, Pa. Measurement of telemetric signals during time-spaces therebetween. 2,441,226, May 11.
- Phillips, Samuel D.: *See—*
Holtschulte, William F., and Philipps.
- Phipps, George S.: *See—*
Bouton, George M., Phipps, and Schumacher.
- Phinney, William E., Milton, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Seam-filling shoe welt. 2,438,095, Mar. 16.
- Phoenix Dye Works, assignee: *See—*
Susen, Theodore A.
- Phon-O-Life Corporation, The, assignee: *See—*
Satz, Louis L.
- Photoswitch, Incorporated, assignee: *See—*
Cade, Phillip J.
Thomson, E. Craig.
Thomson, Elihu C.
- Photo Technical Corporation, assignee: *See—*
King, Robert G., and King.
- Phyfe, James D., Gloucester, N. J., assignor to Radio Corporation of America. Electric change-over system. 2,440,184, Apr. 20.
- Pianowski, Leon J., and S. F. Sgriccia, assignors to The Udylyte Corporation, Detroit, Mich. Work carrier for electroplating. 2,440,019, Apr. 20.
- Piatkowski, Stephen L., assignee: *See—*
Weave, Karl D.
- Picard, Robert G.: *See—*
Reisner, John H., and Picard.
- Piccardo, Jack E. and L. D., Oakland, Calif., assignors to Shasta Pump Company. Valve and air charger for pump-storage systems. 2,435,053, Jan. 27.
- Piccardo, Lino D.: *See—*
Piccardo, Jack E. and L. D.
- Piccinini, James M., Brooklyn, N. Y. Shoulder pad. 2,438,072, Mar. 16.
- Pichette, John J., Whitinsville, Mass. Bobbin clutch. 2,442,247, May 25.
- Pick, Eric, East Rockaway, N. Y., and J. J. Carlson, Madison, N. J., assignors to The Permutit Company, New York, N. Y. Strainer. 2,447,135, Aug. 17.
- Pick Manufacturing Company, assignee: *See—*
Kern, Clarence T.
- Pickard, Percy, London, Ontario, Canada, assignor to Richmond Manufacturing Company, Lockport, N. Y. Screen for gyratory sifters, screens, or bolting equipment. 2,455,383, Dec. 7.
- Pickel, Frank D.: *See—*
Kapp, Roland, Pickel, and Rosenberg.
- Pickel, Frank D., Bogota, and L. T. Rosenberg, Ridgefield Park, assignors to Nopco Chemical Company, Harrison, N. J. Purifying lactones. 2,439,905, Apr. 20.
- Pickel, Frank D., Newark, and H. H. Weinstock, Jr., Belleville, assignors to Nopco Chemical Company, Harrison, N. J. Synthesis of pantothenic acid and its salts. 2,442,143, May 25.
- Pickens, Madison D., assignee: *See—*
Brown, Alexander M.
- Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See—*
Ball, Jack.
Goldfield, Edwin R., and Schiring.
- Pickering, Ian J.: *See—*
Baker, William F., and Pickering.
- Pickett, Andrew B., United States Army. Revetment mat. 2,454,292, Nov. 23.
- Pickett, Armand D.: *See—*
Latchum, John W., Jr., Pickett, and Evans.
- Pickett, Ernest W., Jr., Liberty, and D. E. McMullen, Tex.: assignors of sixty-two per cent to said Pickett, and thirty-eight per cent to said McMullen. Garment cleaning machine. 2,437,478, Mar. 9.
- Pickett, Lamar: *See—*
Zisman, William A., and Pickett.
- Pickett, Louis W., assignee, et al.: *See—*
Eckel, Arthur F.
- Pickles, Sidney B., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Modulating system. 2,434,955, Jan. 27.
- Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Course modifying system. 2,436,823, Mar. 2.
- Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency cable and balancing the same. 2,440,290, Apr. 27.
- Pickney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of pre-formed monoolefin/carbon monoxide polymers. 2,457,271, Dec. 28.
- Picksly, William M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,450,159, Sept. 28.
- Pickup, Leslie F.: *See—*
Illingworth, James W., and Pickup.
- Pielop, William E., Jr., Houston, Tex. Cylinder liner. 2,447,027, Aug. 17.
- Piening, John R.: *See—*
Cheney, Lee C., and Piening.

- Pier, Everett H.: *See*—
Klemperer, Wolfgang B., and Pier.
- Pierce, Cecil E., West Southport, Maine. Hoisting device. 2,446,488, Aug. 3.
- Pierce, Charles H., Kalamazoo, Mich. Brush holder. 2,450,736, Oct. 5.
- Pierce, Edwin G., Cleveland, Ohio. Air filter. 2,450,610, Oct. 5.
- Pierce, Eugene H., assignor to Swift & Company, Chicago, Ill. Device for assisting in a hand-labeling operation. 2,457,489, Dec. 28.
- Pierce Governor Company, assignee: *See*—
Reger, Raymond.
- Pierce, Irving, Dallas, Tex. Undergarment. 2,439,097, Apr. 6.
- Pierce, Jerry A.: *See*—
Kimberlin, Charles N., Jr., and Pierce.
Richardson, Roher W., and Pierce.
Spicer, William E., and Pierce.
- Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Producing an inorganic hydrogel. 2,448,460, Aug. 31.
- Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Drying hydrogel catalysts by distilling with butanol. 2,454,941, Nov. 30.
- Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of spherical adsorbent particles. 2,454,942, Nov. 30.
- Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Boynton.
Rapp, George M.
Stilwell, William E., Jr.
- Pierce, John R.: *See*—
Knight, Floyd C., and Pierce.
- Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. 2,437,707, Mar. 16.
- Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. 2,451,044, Oct. 12.
- Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Velocity variation apparatus. 2,455,269, Nov. 30.
- Pierce, Raymond C., Chicago, Ill. Snubbed quick wheel change truck. 2,434,583, Jan. 13.
- Pierce, Raymond C., Chicago, Ill. Snubbed truck. 2,437,359, Mar. 9.
- Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Winding apparatus. 2,436,326, Feb. 17.
- Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Simultaneously beaming and electroplating wires. 2,447,631, Aug. 24.
- Pierce, Robert E.: *See*—
Bemis, Farwell G., and Pierce.
- Pierce, Walter W., assignee: *See*—
Ferguson, Ralph C.
- Pierik, John, Indianapolis, Ind. Folding picnic table. 2,444,202, Nov. 16.
- Pierotti, Gino J., Albany, assignor to Shell Development Company, San Francisco, Calif. Extractive distillation process. 2,455,803, Dec. 7.
- Pierson, Adrian A., Jr., Cooperstown, N. Y. Radio shielding sealing gasket. 2,454,567, Nov. 23.
- Pierson, Charles A., Maumee, assignor to Associated Products, Inc., Toledo, Ohio. Broiler pan guard. 2,456,988, Dec. 21.
- Pierson, Clyde D.: *See*—
Peters, Harry, and Pierson.
- Pierson, Louis A., Meriden, Conn. Ampoule neck cutter. 2,447,988, Aug. 24.
- Pieslak, Joseph W., and R. E. Crane, Kittanning, Pa. Method of and molds for casting vitreous water closet bowls. 2,449,249, Sept. 14.
- Pleth, Peter: *See*—
Straub, Fritz, Brassel, and Pleth.
- Pletsch, Herman A., Greentree, assignor to Dravo Corporation, Pittsburgh, Pa. Heating and ventilating apparatus. 2,453,382, Nov. 9.
- Plety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,448,322, Aug. 31.
- Plety, Raymond G., Tuckahoe, N. Y., assignor to Phillips Petroleum Company. Instrument for measuring water flow in wells. 2,453,456, Nov. 9.
- Plety, Raymond G., Yonkers, N. Y., assignor to Phillips Petroleum Company. Circuit for measuring voltage of an alternating source. 2,438,518, Mar. 30.
- Plety, Raymond G., Yonkers, N. Y., assignor to Phillips Petroleum Company. Seismic wave correction means and method. 2,450,352, Sept. 28.
- Plotzsch, Kurt F., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Fractional condensation of phthalic anhydride. 2,455,314, Nov. 30.
- Pigeot, Jean: *See*—
Vergnaud, Paul, and Pigeot.
- Pigg, Archie N., Ferndale, Mich. Valve actuation for oscillating cylinder expansible chamber motors. 2,453,640, Nov. 9.
- Pigott, Reginald J. S., and F. E. Fleischer, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Rotary gear pump. 2,445,967, July 27.
- Pigott, Reginald J. S., and C. R. Taylor, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Sampler for gas-liquid mixtures. 2,447,595, Aug. 24.
- Pigott, Reginald J. S., Pittsburgh, and P. G. Exline, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for measuring force exerted by a resilient annulus. 2,448,735, Sept. 7.
- Pihl, George E., Boston, Mass., assignor to The Western Union Telegraph Company, New York, N. Y. High-frequency multiplier system. 2,433,865, Jan. 6.
- Pike, Albert F., Houston, Tex. Trailer. 2,452,789, Nov. 2.
- Pike, Ralph H., Kalispell, Mont. Telescope sight mounting. 2,452,145, Oct. 26.
- Pike, Robert D., Pittsburgh, Pa. Separation of chlorides from potassium carbonate. 2,448,191, Aug. 31.
- Pike, Robert D., Pittsburgh, Pa. Extracting potash from Wyomingite. 2,455,190, Nov. 30.
- Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,436,449, Feb. 24.
- Pilling Chain Company, assignee: *See*—
Lawson, Birdsall P.
- Pillsbury Mills, Inc., assignee: *See*—
Harrel, Chastain G., and Brown.
- Pinardi, Charles P., Dearborn, and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Power take-off drive unit. 2,448,822, Sept. 7.
- Pinanski, Samuel, Brookline, Mass. Dispensing apparatus. 2,441,250, May 11.
- Pincock, Douglas F., assignee: *See*—
Pava, Jack R.
- Pincock, Douglas F., assignor of one-half to J. R. Pava, Santa Barbara, Calif. Surgical pin guide. 2,434,431, Jan. 13.
- Pincus, Alexis G., assignor to American Optical Company, Southbridge, Mass. Fused unitary vitreous composition for use as a detergent, water treating agent and defloculant. 2,434,674, Jan. 20.
- Pine, Paul R., Middleburgh Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Anode. 2,449,504, Sept. 14.
- Pine, Paul R., Berea, and E. C. Ray, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Preparation of extruded iron oxide catalysts. 2,457,719, Dec. 28.
- Pineles, Bernard M., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Applying temporary protective coatings. 2,441,227, May 11.
- Pines Engineering Company, assignee: *See*—
Bower, Byron F.
- Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.
- Pines, Herman, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,436,484, Feb. 24.
- Pinkel, Isadore I., Cleveland, Ohio. High-voltage foam breaker. 2,450,016, Sept. 28.
- Pinkerton, Edward G.: *See*—
Harrison, Arthur Y., and Pinkerton.
- Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thermosetting formaldehyde-treated monoolefin/carbon monoxide polymers. 2,441,082, May 4.
- Pinkus, Lotte, New York, N. Y. Garment with detachable shoulder pad. 2,436,054, Feb. 17.
- Pinney, Ernest F., Glen Cove, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of candles. 2,457,088, Dec. 21.
- Pinsuti, Giuseppe F., New York, N. Y. Measuring tape. 2,443,476, June 15.
- Pinsuti, Giuseppe F., New York, N. Y. Safety razor. 2,453,756, Nov. 16.
- Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry, Siwek, and Carter.
Goldberg, Harry, Siwek, Long, and Carter.
Goldberg, Richard O.
- Pioneer Hardware Corporation, The, assignee: *See*—
Hagstrom, Gotthard.
- Plotrowski, Anthony, Chicago, Ill. Garment hanger. 2,447,204, Aug. 17.
- Plowaty-Bergart Company, assignee: *See*—
Rottier, Frank.
- Pipe Couplings, Inc., assignee: *See*—
Krooss, John H.
- Piper, Edward W., Woodbrook, Md. Game pointer and scorer. 2,440,415, Apr. 27.
- Piper, John C., Pittsburgh, Pa., assignor to Loftus Engineering Corporation. Car-bottom furnace. 2,441,371, May 11.
- Piper, Walter F., and J. J. Soldat, Chicago, Ill., assignors, by mesne assignments, to Pettibone Mulliken Corporation. Portable molding sand muller, including suspendable power-driven muller unit and underlying portable bowl receptacle. 2,450,299, Sept. 28.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Wheel springing element. 2,439,906, Apr. 20.
- Piron, Fernand, North Andover, assignor to Pacific Mills, Lawrence, Mass. Drawing mechanism for textile fibres. 2,435,157, Jan. 27.

- Pisciotta, Immacolata, New York, N. Y. Cover for bed-forming structures. 2,439,631, Apr. 13.
- Piskac, Yaro, and R. E. Smiley, Maple Heights, assignors by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Method of removing insulation from metallic electric conductors. 2,448,909, Sept. 7.
- Pistey, John M.: *See—*
Dazley, Frederick C., and Pistey.
De Reamer, Frank C., and Pistey.
Van Amburg, Otto H., and Pistey.
- Pit, Paul A.: *See—*
Heath, William C., and Pitt.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,291, Apr. 27.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Take-off system for rotative winged aircraft. 2,440,758, May 4.
- Pitcairn, Harold F., Bryn Athyn, and P. H. Stanley, Huntingdon Valley, assignors to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,292, Apr. 27.
- Pitman, Earle C., Red Bank, N. J., assignor to Compo Shoe Machinery Corporation, Boston, Mass. Electrostatic pressing apparatus. 2,449,317, Sept. 14.
- Pitman, Earle C., Red Bank, N. J., and E. L. Crandell, Wellesley, assignors to Compo Shoe Machinery Corporation, Boston, Mass. Electrostatic ironing apparatus. 2,449,318, Sept. 14.
- Pitman, Henry L., Melbourne, Fla., assignor to Underwood Corporation. Combined typewriting and computing machine. 2,436,055, Feb. 17.
- Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation. Business machine. 2,453,932, Nov. 16.
- Pitney-Bowes, Inc., assignee: *See—*
Heyel, Frederick W.
Rouan, Francis J., and Uthenwoldt.
- Pitometer Log Corporation, assignee: *See—*
Cole, Edward S.
Holst, Knute A.
- Pittman, Ernest E., Elizabethtown, Ky. Refining of sugar. 2,450,683, Oct. 5.
- Pittman, Ralph R., Little Rock, Ark. Voltage-limiting arc interrupter. 2,440,484, Apr. 27.
- Pittman, Ralph R., Park Hill, Ark. Voltage-limiting arc interrupter. 2,434,010, Jan. 6.
- Pittman, Ralph R., Park Hill, Ark. Voltage-limiting arc interrupter. 2,434,011, Jan. 6.
- Pittman, Ralph R., and P. G. Whitmore, Little Rock, Ark. Capacitor control system. 2,443,117, June 8.
- Pittman, Silas: *See—*
Grove, Cornelius S., Sr., McKinney, and Pittman.
- Pitts, Charles A., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Multiple stage cementing. 2,435,016, Jan. 27.
- Pitts, George B., assignee: *See—*
Hanson, Edward.
- Pittsburgh Annealing Box Company, assignee: *See—*
Jacob, Morris L.
- Pittsburgh Coke & Chemical Company, assignee: *See—*
Riethof, George.
- Pittsburgh Corning Corporation, assignee: *See—*
Baker, Arvid H.
- Pittsburgh-Des Moines Company, assignee: *See—*
Jackson, James O.
- Pittsburgh Pipe Cleaner Company, assignee: *See—*
Robinson, Lawrence R. and K. I., Berger, and Lang.
- Pittsburgh Plate Glass Company, assignee: *See—*
Adams, Frederick W.
Brooks, Tony P., and Wyatt.
Cummings, Lowell O., and Vogel.
Devol, Manson L.
Ellerman, George E.
Fisher, John M., and Eakins.
Gerhart, Howard L., and Adams.
Gregory, John J.
Knudsen, Percy E.
Lycan, William H., and Gerhart.
Owen, William.
Pechukas, Alphonse.
Reis, Joseph J., Jr.
Sheris, James H.
Strain, Franklin.
- Pittsburgh Reflector Company, assignee: *See—*
Headings, William W.
- Pittsburgh Screw & Bolt Company, assignee: *See—*
Graham, Harry C.
- Pittsburgh Tube Company, assignee: *See—*
Motycka, Arthur.
- Pitoy, Albert F.: *See—*
Ekstedt, John W., and Pitoy.
- Pitoy, Albert F., Clifton, H. Butterfield, Maplewood, and S. W. Warner, assignors to Tweezer-Weld Corporation, Newark, N. J. Machine for producing cathode sleeves for thermionic valves. 2,449,505, Sept. 14.
- Pitoy, Albert F., Clifton, and H. E. Butterfield, Jr., Maplewood, N. J. Apparatus for welding. 2,454,338, Nov. 23.
- Pitzl, Gilbert, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Melamine-formaldehyde resin dispersion in a nonbasic water-soluble alcohol medium. 2,451,867, Oct. 19.
- Pismoht, Frank: *See—*
Lendo, Benjamin C., and Pismoht.
- Pizzarelli, Ernest, New York, N. Y. Fastening means. 2,453,034, Nov. 2.
- Place, Charles E. S., Highland Park, Mich., and M. Van Winkle, Jr., Oceanport, N. J. Self-locking stud. 2,441,442, May 11.
- Place Corporation, assignee: *See—*
Wait, Clyde F.
- Place Process, Inc., assignee: *See—*
Place, Robert.
- Place, Robert, Glen Cove, N. Y., assignor to Place Process, Inc., Washington, D. C. Producing animated cartoons. 2,450,017, Sept. 28.
- Planeta, Anthony, assignee: *See—*
Planeta, Paul H.
- Planeta, Paul H., assignor to Anthony Planeta, Linden, N. J. Making supports. 2,439,548, Apr. 13.
- Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalytic isomerization of unsaturated glyceride oils. 2,435,695, Feb. 10.
- Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Reverse flow by-pass valve. 2,456,566, Dec. 14.
- Plante, Thomas W.: *See—*
La Riccia, Anthony, and Plante.
- Plass, Curtis E., Worcester, Mass., and D. J. Sullivan, Fairfield, Conn.; said Sullivan assignor to E. I. du Pont de Nemours & Company, Wilmington, Del.; said Plass assignor to The American Steel and Wire Company of New Jersey. Semiconducting tape for electric cable. 2,437,708, Mar. 16.
- Plastal Corporation, assignee: *See—*
Swikart, George.
- Plastic Binding Corporation, assignee: *See—*
Spinner, Isidore.
- Plasticbilt Corporation, assignee: *See—*
Moss, Jesse E.
- Plastics Process Company, assignee: *See—*
Kerr, Theodore W.
- Plastmetl Corporation, assignee: *See—*
Zabel, William C. P., and Helfenbein.
- Plating Processes Corporation, assignee: *See—*
Hampson, Frederick W.
- Platt Brothers & Co., Limited, assignees: *See—*
Prosser, George J., and Watts.
- Platt, Haviland H., New York, N. Y., assignor, by mesne assignments, to McDonnell Aircraft Corporation, St. Louis, Mo. Rotary wing aircraft. 2,441,920, May 18.
- Platt, Haviland H., New York, N. Y., and W. L. Le Page, Ardmore, Pa., assignors, by mesne assignments, to McDonnell Aircraft Corporation, St. Louis, Mo. Aircraft mooring device. 2,453,857, Nov. 16.
- Platt, John D.: *See—*
Platt, Leland H., L. H., Jr., and J. D.
- Platt, Leland H., Jr.: *See—*
Platt, Leland H., L. H., Jr., and J. D.
- Platt, Leland H., L. H., Jr., and J. D., Los Angeles, Calif. Produce washing machine. 2,453,457, Nov. 9.
- Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Control valve unit for welding apparatus. 2,436,760, Feb. 24.
- Platzer, George E., Springfield, Mass., assignor to Chrysler Corporation, Highland Park, Mich. Spinning ring. 2,452,323, Oct. 26.
- Plawker, Samuel, Newark, N. J. Shoe sole pressure device. 2,457,720, Dec. 28.
- Plax Corporation, assignee: *See—*
Bailey, James.
Canfield, Robert W., Wiley and Guerreiro.
Jesionowski, Raymond S.
Kipitke, William H.
- Plaxco, William L., Russellville, Ala. Juice extractor. 2,446,432, Aug. 3.
- Plechner, Walter W.: *See—*
Turner, Joseph L., and Plechner.
- Pledger, William A., San Francisco, Calif. Pressure cooker. 2,452,790, Nov. 2.
- Pleiss, Walter H., Ludington, Mich. Concealed post support. 2,455,608, Dec. 7.
- Plenel, Lawrence M., and B. J. Abernathy, Jr., United States Navy. Portable recompression chamber. 2,448,546, Sept. 7.
- Plepla, Karl, New York, N. Y. Watchcase and replaceable strap therefor. 2,443,477, June 15.
- Plessey Company Limited, assignee: *See—*
Booth, Douglas G.
Pugh, Cyril A., Booth, and Rough.
- Pletch, Ernest P., Frankfort, Ind. Traction increasing device for dual wheel vehicles. 2,454,005, Nov. 16.
- Pletcher, Donald E., and H. S. Nutting, assignors to The Dow Chemical Company, Midland, Mich. Organofluoro silanes and making same. 2,436,777, Feb. 24.
- Pleva, Frank P., Thompsonville, Conn. Tool handle. 2,435,654, Feb. 10.
- Plexico, Robert S., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Synchronesh transmission. 2,435,929, Feb. 10.
- Plibrico Jointless Firebrick Company, assignee: *See—*
Anderson, John E.
- Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Compressor load protector. 2,454,976, Nov. 30.

- Pluck, John E., Rotherham, England. Furnace roof or arch with self-adjusting mounting for thermal expansion. 2,444,365, June 29.
- Plumb, Edwin W., Morris, Conn. Quick-change lathe tool holder. 2,445,634, July 20.
- Plumbhoff, Charles F.: *See—*
Franklin, Leslie U., and Plumbhoff.
- Plummer, Carl E., Tulsa, Okla. Internal-combustion rotary motor. 2,454,006, Nov. 16.
- Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Floating roof for tanks. 2,437,125, Mar. 2.
- Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Guide construction for movable tank tops. 2,450,986, Oct. 12.
- Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Tank top. 2,452,146, Oct. 26.
- Plummer, Percy W., Winnipeg, Manitoba, Canada. Electric heating device and method of making the same. 2,448,388, Aug. 31.
- Plump, Ralph E., Haddonfield, N. J., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparation of trichloro acids. 2,443,118, June 8.
- Plungian, Mikhail B., assignor to Temple University, Philadelphia, Pa. Solubilization of rutin with methyl glucamine. 2,451,772, Oct. 19.
- Plunkett, Brian, and G. Pama, Cumberland, Md., assignors to Celanese Corporation of America. Web letoff mechanism. 2,446,104, July 27.
- Pluta, John J., N. L. Mayer, and H. M. St. John, assignors to Crane Co., Chicago, Ill. Skimming device. 2,435,696, Feb. 10.
- Plymouth Cordage Company, assignee: *See—*
Reed, Stephen A.
- Pneumatic Drop Hammer Company, assignee: *See—*
Fitzgerald, Reginald P.
- Pneumatic Scale Corporation, Limited, assignee: *See—*
Eaton, Lewis B., and Vergobbi.
Fiddiment, Earl.
Hauck, Armin G.
Howard, Stanley R.
Vergobbi, John G.
- Pødenphant, Holger O., Copenhagen, Denmark. Control register for calculating machines. 2,436,668, Feb. 24.
- Podolan, George, Detroit, Mich. Vernier calliper radii attachment. 2,440,973, May 4.
- Poe, Bryce, Kansas City, Mo. Peep sight for firearms. 2,456,214, Dec. 14.
- Poe, John H., assignee: *See—*
Sloan, John I.
- Poebler, Horst A., Long Island City, N. Y. and L. F. Keene, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Activating cathodes. 2,434,517, Jan. 13.
- Pogline, Louis, Jeannette, Pa. Grip for steel drums or the like. 2,439,907, Apr. 20.
- Pohl, Elsa, New York, N. Y. Adjustable baggage appliance for rolling movements. 2,446,023, July 27.
- Pohl, Walter M.: *See—*
Kearney, Edward J.
- Pohle, Eric, Clifton, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Mechanical support for insulators. 2,439,186, Apr. 6.
- Pohle, Eric, Clifton, and J. Rutledge and I. E. Lempert, Upper Montclair, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube. 2,432,265, Feb. 17.
- Pohlrs, Alfred J., Joliet, Ill. Garment conveyer. 2,449,669, Sept. 21.
- Pohrer, Joseph P., assignee: *See—*
Lindae, William H., and Strachan.
- Pohm, George H., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Regulated rectifying system. 2,442,960, June 8.
- Pointer, Robert W., Portland, Oreg. Fifth wheel assembly. 2,449,749, Sept. 21.
- Pointon, John E., and A. A. Tunley, assignors to Baker Perkins Limited, Peterborough, England. Transporting goods from a chocolate coating or like machine. 2,443,868, June 22.
- Polreite Corsets Inc., assignee: *See—*
Robbins, Jack E.
- Poirier, Ernest A., Waterville, Maine. Method of and apparatus for providing a response to the consistency of paper-making stocks. 2,444,668, July 6.
- Poitras, Edward J., Pasadena, Calif., and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island, N. Y. Gyroscope precessor and follow-up. 2,456,020, Dec. 14.
- Poitras, Joseph A., Fort Lee, N. J., assignor to Solar Manufacturing Corporation, New York, N. Y. Stacking machine. 2,440,347, Apr. 27.
- Pokorny, Louis, Jr.: *See—*
Pokorny, Louis, and L., Jr.
- Pokorny, Louis, Ronkonkoma, and L. Pokorny, Jr., Lake Ronkonkoma, N. Y. Adjustable sofa construction. 2,445,241, July 13.
- Pokorny, Stephen S., Rutland, assignor of one-half to H. Lucibbers, Fort Dodge, Iowa. Material moving mechanism. 2,435,098, Jan. 27.
- Polak, Emil, Woodside, Long Island, N. Y. Bookmark. 2,449,319, Sept. 14.
- Polak, Joseph F., Newark, N. J., assignor to Monroe Sherman, New York, N. Y. Silver brazing alloy containing indium. 2,456,593, Dec. 14.
- Polak, Joseph F., Newark, N. J., assignor to Monroe Sherman, New York, N. Y. Brazing alloy. 2,456,594, Dec. 14.
- Polan, Albert S., assignee, et al.: *See—*
Guttman, Eric S.
- Polan, Charles M., assignee, et al.: *See—*
Guttman, Eric S.
- Polan, E. G., assignee, et al.: *See—*
Guttman, Eric S.
- Polan, L. M., assignee, et al.: *See—*
Guttman, Eric S.
- Polan, Lake, Jr., assignee, et al.: *See—*
Guttman, Eric S.
- Polaroid Corporation: *See—*
Bachelder, Albert J., and Wolff.
Binda, Frederick J.
Buzzell, Harold O.
Grey, David S.
- Polaroid Corporation, assignee: *See—*
Barr, Edgar E.
Binda, Frederick J.
Blout, Elkan R.
Blout, Elkan R., and Amon.
Blout, Elkan R., and Gofstein.
Carbone, Joseph F., and Fairbank.
Cochran, Clarence W.
Fairbank, Murry N.
Garrett, Elmer E.
Georgian, Vlasios, Amon, Gofstein, Land, West, and Woodward.
Grey, David S.
Husek, Helen P.
Hyman, Mark, Jr.
Hyman, Mark, Jr., and Johnson.
Hyman, Mark, Jr., and West.
Kilham, Peter.
Land, Edwin H.
Land, Edwin H., Bachelder, and Wolff.
Land, Edwin H., and Graubau.
Land, Edwin H., Mahler, and Hyman.
Marsh, Harold A.
Parrish, Maxfield, Jr.
Richardson, John H.
Sterck, Thomas R.
West, Cutler D.
Wolff, Otto E.
Woodward, Robert B.
Young, Clinton J. T.
- Polcyn, Bernard H., Milwaukee, Wis. Drinking container and jar closure fitting. 2,447,870, Aug. 24.
- Polcyn, Bernard H., Milwaukee, Wis. Tumbler. 2,456,989, Dec. 21.
- Polhemus, Peres G., Roselle, N. J. Automatic heat controlled apparatus for preparing pads. 2,446,989, Aug. 10.
- Pollakoff, Theodore, New York, N. Y., assignor to Flashlight Company of America, Jersey City, N. J. Lock switch. 2,445,635, July 20.
- Polidor, Edward C.: *See—*
De Boer, Willis, Betts, and Polidor.
- Polie, Henry D., assignor to The Murray Corporation of America, Detroit, Mich. Transmission. 2,445,968, July 27.
- Pollnsky, John, Cleveland, Ohio. Protective device for horses' legs. 2,449,410, Sept. 14.
- Pollizzotto, Paul L., and P. S. Backlund, assignors to Union Oil Company of California, Los Angeles, Calif. Refining of wax. 2,453,933, Nov. 16.
- Polk, Edwin H., U. S. Navy. Wing air slot. 2,438,942, Apr. 6.
- Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Crush-type grinding wheel truing device. 2,446,105, July 27.
- Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with automatic crush dressing mechanism. 2,457,318, Dec. 28.
- Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Machine tool. 2,436,527, Feb. 24.
- Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Screw thread gauge. 2,436,528, Feb. 24.
- Pollack, Israel, Brooklyn, N. Y., assignor to Paramount Industries, Inc. Portable fluorescent lamp control system. 2,454,670, Nov. 23.
- Pollack, Maxwell A., Denville, N. J., assignor to E. F. Drew & Co. Inc., New York, N. Y. Thioglycol esters. 2,454,568, Nov. 23.
- Pollak, Frederick F., New York, N. Y. Bending of corkwood. 2,438,349, Mar. 23.
- Pollak, Frederick F., New York, N. Y. Recovering albumin adhering to egg shells. 2,451,116, Oct. 12.
- Pollard, Charles E., Jr., Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,445,406, July 20.
- Pollard, Charles W., Chicago, Ill., assignor to International Braid Company. Venetian blind and making the same. 2,435,944, Feb. 10.
- Pollard, Eber: *See—*
Frye, Frederick E. J., and Pollard.
- Pollard, Ellsha F.: *See—*
Porges, Nandor, Pollard, and Spadaro.

- Pollard, Ernest I., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pole tip structure for salient pole synchronous machines. 2,449,506, Sept. 14.
- Pollard, Ernest I.: *See*—
Harder, Edwin L., and Pollard.
- Pollard, Henry L.: *See*—
Rodgers, Nelson E., Pollard, and Meade.
- Pollard, Henry L., N. E. Rodgers, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Enhancing the yield of vitamins in fermentations. 2,449,140, Sept. 14.
- Pollard, Henry L., N. E. Rodgers, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Production of riboflavin by fermentation processes. 2,449,141, Sept. 14.
- Pollard, Henry L., N. E. Rodgers, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Improving the yield of riboflavin in fermentation processes. 2,449,142, Sept. 14.
- Pollard, Henry L., N. E. Rodgers, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Fermentation method for preparing a vitamin concentrate. 2,449,143, Sept. 14.
- Pollard, Jack C., and C. F. Sellers, Houston, Tex., assignors to Robert H. Ray Co. Support for submerged area surveying. 2,444,669, July 6.
- Pollard, Philip E., assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Radio locating apparatus. 2,457,896, Dec. 28.
- Pollard, Willard L., Evanston, Ill. Transmission. 2,437,333, Mar. 9.
- Pollitt, Harold, Waukegan, Ill. Adjustable anvil for micrometer calipers. 2,438,765, Mar. 30.
- Pollock, Robert T., New York, N. Y. Diesel engine fuel. 2,438,452, Mar. 23.
- Pollock, Willard M., Glen Ellyn, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary intaglio printing press. 2,447,090, Aug. 17.
- Polly, Orville L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Purification of organic acids. 2,453,588, Nov. 9.
- Polomski, John B., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control system. 2,444,953, July 13.
- Pollica, George K., Medford, Mass., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Vat dyeing of alkali-sensitive fibers, including an acid reduction of the vat dye impregnated fibers. 2,450,767, Oct. 5.
- Polydoroff, Vladimir J., Chicago, Ill. Directional antenna system. 2,442,310, May 25.
- Polydoroff, Vladimir J., Glencoe, Ill. Loop antenna apparatus. 2,438,680, Mar. 30.
- Polye, William R., River Edge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radiant energy receiver. 2,442,823, June 8.
- Polye, William R., River Edge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radiant energy receiver. 2,442,824, June 8.
- Polymerisable Products Limited, assignee: *See*—
Bergmann, Ernst.
Bergmann, Ernst, and Sulzbacher.
Weizmann, Charles.
- Polytron Corp., assignee: *See*—
Shortt, Hubert L.
- Polyxor Chemical Co., Inc., assignee: *See*—
Farber, Eduard.
- Pomeroy, Richard D., Altadena, Calif. Recovering organic acids from sour sewage sludge. 2,444,527, July 6.
- Pommer, Arthur A., Montrose, Calif. Hydraulic brake pipe coupling. 2,436,327, Feb. 17.
- Pond, Clarke P., assignor to The Budd Company, Philadelphia, Pa. Spring suspension. 2,445,295, July 13.
- Pond, William B.: *See*—
Carroll, Fred M., Bakelaar, and Pond.
Taylor, Myron L., Pond, and Bayrs.
- Pond, William B., Burbank, Calif., and F. J. Hart, Englewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Electronic timer control for inflatable boots on aircraft. 2,444,209, June 29.
- Pons, Helene, New York, N. Y. Shoulder pad construction. 2,446,664, Aug. 10.
- Ponstingl, John C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,435,322, Feb. 3.
- Ponsy, Louis E., Clichy, assignor to "Siltos S. A." Paris, France. Multiple function switch. 2,453,035, Nov. 2.
- Ponte, Maurice: *See*—
Elie, Maurice, Gutton, Hugon, and Ponte.
- Ponti, Carl A., Chicago, Ill. Switch. 2,434,012, Jan. 6.
- Pontius, Peter A., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Solderless connector for attachment to electrical conductors. 2,439,947, Apr. 20.
- Pool, Carl W., Wilmington, Calif. Pipe handling apparatus. 2,448,324, Aug. 31.
- Pool, John E., Washington, D. C., and J. W. P. Beaver, Alexandria, Va. Clip loading machine. 2,452,600, Nov. 2.
- Pool, Stuart D., Moline, Ill., assignor to International Harvester Company. Flexible coupling. 2,437,891, Mar. 16.
- Pool, Stuart D., Moline, and R. D. Downing, Rock Island, Ill., assignors to International Harvester Company. Tractor-mounted thresher. 2,446,883, Aug. 10.
- Pool, William: *See*—
Dreyfus, Henry, and Pool.
Moncrieff, Robert W., and Pool.
- Poole, Arthur B., Harwinton, Conn. Adjustable-intensity electromagnetic audible-signal device. 2,442,016, May 25.
- Poole, Arthur B., Harwinton, Conn. Electromagnetic audible-signal device. 2,452,678, Nov. 2.
- Poole, Harold J.: *See*—
Lubbock, Isaac, and Poole.
- Poole, William D., Baltimore, Md., assignor to Bethlehem Steel Company. Shipping package. 2,445,152, July 13.
- Poor & Company, assignee: *See*—
Chester, Allan E.
Preston, Frederick A., and Warr.
- Poor, Edward N., Stamford, and K. L. Howard, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilization of rosin sizes. 2,438,096, Mar. 16.
- Poorman, Charles B., Jr., Schuylkill Haven, Pa. Recreation apparatus. 2,448,325, Aug. 31.
- Pootjes, Peter, Temple City, assignor to Western Precipitation Corporation, Los Angeles, Calif. Alternate tipping valve for handling fluent materials. 2,439,861, Apr. 20.
- Pope, Alfred, Penn Fields, Wolverhampton, assignor to Joshua Bigwood & Son Limited, Wolverhampton, England. Stretching machine for uncoiling, flattening, and coiling metal strip. 2,449,507, Sept. 14.
- Pope, Arthur J., Madison, Conn. Interchangeable gun barrel and stock. 2,447,091, Aug. 17.
- Pope, Charles S., Riverside, assignor to Snap Products Co., Chicago, Ill. Valve washer. 2,443,012, June 8.
- Pope, Daniel K., Thomaston, Ga. Twister ring lubricating device. 2,437,208, Mar. 2.
- Pope, Frank B.: *See*—
Bralley, James A., and Pope.
Pope, Thomas J.: *See*—
Goodale, Walter D., Jr., and Pope.
- Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to United States of America. Recoilless gun. 2,438,297, Mar. 23.
- Pophal, Eric G., St. Pauls, N. C. Collar stay and necktie support. 2,438,325, Mar. 23.
- Popkin, Alexander H., Bronx, N. Y., assignor to Sun Chemical Corporation. Preparing sulfonamides. 2,440,117, Apr. 20.
- Popkin, Alexander H., Bronx, N. Y., assignor to Sun Chemical Corporation. Preparing sulfonamides. 2,441,671, May 18.
- Popkin, Alexander H., Bronx, N. Y., assignor to Sun Chemical Corporation. Tribiphenolmethane dyestuff and pigment dyestuffs and making the same. 2,448,823, Sept. 7.
- Popp, Rudolf, and M. C. Carlson, assignors to McGill Manufacturing Company, Inc., Valparaiso, Ind. Universally adjustable support. 2,440,873, May 4.
- Popper, Max, Brooklyn, N. Y. Elastic seam with concealed zigzag stitching. 2,444,467, July 6.
- Popper, Otto, and G. K. Melvill, Johannesburg, Transvaal, Union of South Africa, said Melvill assignor to said Popper. Intravaginal pack and its manufacture. 2,444,528, July 6.
- Porcelain Insulator Corporation, The, assignee: *See*—
Rowland David H.
- Porcelain Metals Corporation, assignee: *See*—
Birdwell, Benjamin F.
Richterkeising, Frank H.
- Porcell, Vincent J., Jackson Heights, Long Island, N. Y. Colostomy drain bag. 2,441,508, May 11.
- Porcell, Albert J., New York, N. Y. Sandblasting machine. 2,438,943, Apr. 6.
- Porete Mfg. Company, assignee: *See*—
Cueni, Clement P.
- Porjes, Frederick B., assignor to Flexibox Limited, Manchester, England. Mechanical seal. 2,455,700, Dec. 7.
- Porjes, Nandor, Metairie, New Orleans, and E. F. Pollard and J. J. Spadaro, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Obtaining rubber from goldenrod leaves. 2,453,858, Nov. 16.
- Porocel Corporation, assignee: *See*—
Heinemann, Heinz.
Krieger, Knut A., and Heinemann.
- Porreca, Donato J., Philadelphia, Pa. Wringer and wash tub unit. 2,453,340, Nov. 9.
- Porreca, Nicholas M.: *See*—
Alifano, Antonio, and Porreca.
- Port Colborne Iron Works Limited, assignee: *See*—
Magee, Edward B.
- Porter, Carl W., Alexandria, Va. Impact clutch. 2,439,823, Apr. 20.
- Porter, Carl W., Alexandria, Va. Rain and sprayproof ventilator. 2,448,048, Aug. 31.
- Porter, Charles L., Carlsbad, N. Mex. Continuous vacuum filter. 2,435,235, Feb. 3.
- Porter, Donald S.: *See*—
Cornwall, Ralph T. K., and Porter.
- Porter, Earl C., assignee: *See*—
Copeland, Shirley C.

- Porter, Frank, Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Phenol recovery. 2,437,921, Mar. 16
- Porter, Frank, and G. A. Nesty, Morristown, N. J., assignors to Allied Chemical & Dye Corporation. Preparation of acrylonitrile from hydrocarbons and HCN. 2,445,693, July 20.
- Porter, H. K., Inc., assignee: *See*—
Ferguson, William H.
Ferguson, William H., and Geddes.
Ferguson, William H. and H. C.
- Porter, Harold M., assignor to The Mitchel-Tyler Company, Hagerstown, Md. Adjustment mechanism for microscopes. 2,439,485, Apr. 13.
- Porter, Henry D.: *See*—
Weissberger, Arnold, Kibler, and Porter.
Weissberger, Arnold, and Porter.
- Porter, Henry D., and A. Weissberger, Rochester, N. Y., and W. A. Gregory, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Alkoxy pyrazole couplers. 2,439,098, Apr. 6.
- Porter, Henry H., Silver Spring, Md., assignor to United States of America, as represented by the Secretary of War. Arming device. 2,448,121, Aug. 31.
- Porter, John H., Fay, Okla. Snow vehicle. 2,440,785, May 4.
- Porter, Jones, assignee, et al.: *See*—
Lucas, Joseph E.
- Porter, Lawrence C., East Cleveland, and H. C. Froelich, Cleveland Heights, Ohio, assignors to General Electric Company. Ultraviolet ray generator. 2,445,692, July 20.
- Porter, Louis M., Englewood, Colo. Incubator. 2,439,145, Apr. 6.
- Porter, Philip K., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenol formaldehyde resin-glycinin protein emulsion. 2,436,328, Feb. 17.
- Porter, Philip K., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenol formaldehyde resin-glycinin protein emulsion. 2,436,329, Feb. 17.
- Porter, Richard W., Schenectady, N. Y., and A. G. Linowiecki, Minneapolis, Minn., assignors to General Electric Company. Directive radio system. 2,446,024, July 27.
- Porter, Roscoe C.: *See*—
Briggs, Southwick W., and Porter.
- Porter, Roscoe C., Arlington, Va., assignor, by mesne assignments, to The Briggs Filtration Company, Bethesda, Md. Method and apparatus for forming internal-combustion engine fuel charges. 2,444,670, July 6.
- Portland Plastics Limited, assignee: *See*—
Leader, Sidney A. and G.
- Position Finder Corporation, assignee: *See*—
Hagner, Frederick H.
- Poskin, Irvin C., Los Angeles, Calif. Bed davenport. 2,438,127, Mar. 23.
- Posner, Kurt, London, England, now by change of name J. K. Power, Apparatus for manufacturing and filling capsules. 2,449,139, Sept. 14.
- Pospisil, Stanley A., Miami, Fla. Outdoor convertible grill or stove. 2,435,323, Feb. 3.
- Post, Carl B.: *See*—
Fetzer, Maurice C., and Post.
- Post, Ernest K., Collingswood, N. J. Dragging equipment detector. 2,435,365, Feb. 3.
- Post, Frank H., Ashtabula, Ohio. Holder. 2,442,570, June 1.
- Post, Hoyt: *See*—
Zabriskie, William F., and Post.
- Post, Jordan A., Detroit, Mich. Radius grinder fixture. 2,443,325, June 15.
- Post, Speed L., assignee, et al.: *See*—
Burke, James D., and Crooks.
- Postage Stamp Machine Co., assignee: *See*—
Niewoehner, Fred.
- Postal Advertising Corporation, assignee: *See*—
Zacharias, Erhard.
- Postal, Robert H., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Plural systems of sequentially responsive instruments. 2,448,461, Aug. 31.
- Postel, Kenneth I., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,440,614, Apr. 27.
- Poster, Jacob, assignee: *See*—
Franklin, Albert W.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for wave length transformation of very short waves. 2,453,078, Nov. 2.
- Postlethwaite, Sarah D., New York, N. Y. Removable sanitary belt tab. 2,438,790, Mar. 30.
- Postma, Frank, Paterson, N. J. Crankpin truing device. 2,444,308, June 29.
- Poston, Herbert L., Kallispell, Mont. Drive for pumps. 2,439,693, Apr. 13.
- Pottberg, Rolfe, administrator: *See*—
Tainton, Uryln C.
- Potter, Dwight J.: *See*—
Malkemus, John D., Ross, and Potter.
Ross, John, Potter, and Yolles.
- Potter, Earl C.: *See*—
Couch, Robert D., and Throckmorton.
- Potter, Harold B., assignor to Amity Leather Products Co., West Bend, Wis. Coin pocket construction for billfolds. 2,444,866, June 29.
- Potter, James A., Long Valley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,453,263, Nov. 9.
- Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated rectifier. 2,443,638, June 22.
- Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remote-control apparatus. 2,443,639, June 22.
- Potter, Lee R., Long Beach, Calif., assignor to Southwest Products Co. Mechanical, lineal, rotary, flexible, push-pull transmission device. 2,441,719, May 18.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Method of laying communication lines. 2,436,402, Feb. 24.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio paging for vehicles. 2,436,824, Mar. 2.
- Potter, Robert, Mount Lebanon, assignor to Superior Steel Corporation, Pittsburgh, Pa. Handling and joining co-operating members. 2,450,987, Oct. 12.
- Potter, Thomas I.: *See*—
Bronaugh, Lewis J., and Potter.
- Potter, William S., Edgewood, Pa. Surface plate and making same. 2,443,640, June 22.
- Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool. 2,455,876, Dec. 7.
- Potharst, John E., Jr., New Orleans, La. Combined evaporator and boiler. 2,456,732, Dec. 21.
- Pothoff, Kurt T., Brooklyn, N. Y. Spray coating machine. 2,434,176, Jan. 6.
- Potts, Edward J., Stone Mountain, Ga. Dirigible headlight device. 2,444,546, July 6.
- Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph tape loop indicator. 2,441,207, May 11.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Automatic message numbering telegraph transmitter. 2,451,045, Oct. 12.
- Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Cipher checking system. 2,456,733, Dec. 21.
- Potts, Martha W. C., executrix: *See*—
Potts, Louis M.
- Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Nitrile-producing method. 2,448,275, Aug. 31.
- Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Distillation apparatus for treating fatty acid containing stock. 2,450,611, Oct. 5.
- Potts, Ralph H., La Grange, assignor to Armour and Company, Chicago, Ill. Distillation of fatty acid stock by fractionation and flash steps. 2,450,612, Oct. 5.
- Potts, Samuel F., Hamden, and R. A. Spencer, Stafford Springs, Conn., dedicated to the free use of the People in the Territory of the United States. Sprayer. 2,454,339, Nov. 23.
- Pouille, Robert F., Armentieres, France. Hydraulic device for controlling several members with a predetermined automatic interdependency. 2,445,081, July 13.
- Poullart, Willy H. P., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,444,065, June 29.
- Pound, Edward A., Chicago, Ill. Stovepipe damper for check draft air admission. 2,441,286, May 11.
- Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of Navy. Apparatus for broadband radio transmission. 2,446,982, Aug. 10.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Coupling thread locking means. 2,444,847, July 6.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock nut and making same. 2,454,444, Nov. 23.
- Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Automatic lock slider for slide fasteners. 2,443,360, June 15.
- Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,448,192, Aug. 31.
- Poux, Noel J., Meadville, Pa. Terminal connection and making the same. 2,451,773, Oct. 19.
- Poux, Noel J., Meadville, Pa. Hypodermic syringe and ampoule therefor. 2,453,589, Nov. 9.
- Poux, Noel J., Meadville, Pa. Hypodermic syringe. 2,453,590, Nov. 9.
- Poux, Noel J., Meadville, Pa. Hypodermic syringe. 2,453,591, Nov. 9.
- Powell, Alric H., Yendon, Pa., assignor to General Electric Company. Fuse unit. 2,448,389, Aug. 31.
- Powell, Clayborn F., Monroe, assignor to Branson Company, Charlotte, N. C. Yarn feed for twisting machines. 2,454,405, Nov. 23.
- Powell, Curtis F., Mobile, Ala. Metal flat-top house for nurseries. 2,444,309, June 29.
- Powell, David M., La Junta, Colo. Rotary seat attachment for barber chairs. 2,440,644, Apr. 27.

- Powell, Edward B., assignee: *See*—
Miller, Ralph W.
- Powell, Edward B., San Diego, Calif. Shotgun muzzle device. 2,447,205, Aug. 17.
- Powell, Edward R.: *See*—
Coss, Harold T., and Powell.
- Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus and process for the manufacture of mineral wool. 2,450,914, Oct. 12.
- Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for forming mineral wool products. 2,450,915, Oct. 12.
- Powell, Gordon F. W.: *See*—
Molins, Desmond W., Harvey, Mason, and Powell.
- Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Shipping and display carton. 2,445,280, July 13.
- Powell, James T., Atoka, Tenn. Ratchet wrench with segmented socket and separable socket-receiving jaws. 2,445,969, July 27.
- Powell, John T., Washington, D. C. Flashlight suspension. 2,441,902, May 18.
- Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for detecting imperfections in filamentary materials. 2,434,864, Jan. 20.
- Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Spinning apparatus. 2,454,203, Nov. 16.
- Powell, Thomas M.: *See*—
Claussen, William H., and Powell.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Airport lighting control and indication system. 2,438,453, Mar. 23.
- Power Brake Equipment Co., assignee: *See*—
Williams, Norman C., and Fishwood.
- Power, Clifton W., Los Angeles, Calif. Fabric building. 2,440,557, Apr. 27.
- Power Equipment Company, assignee, et al.: *See*—
Bixby, William H.
- Power Industries, Incorporated, assignee: *See*—
Taplin, John F.
- Power Jets (Research and Development) Limited, assignee: *See*—
Hawthorne, William R.
Howell, Alun R.
McLeod, Roderick C., and Feilden.
Whittle, Frank.
- Power, John K.: *See*—
Posner, Kurt.
- Powers Accounting Machines Limited, assignee: *See*—
Thomas, Arthur.
- Powers, Donald H., Winchester, Mass., and W. J. Harrison, East Greenwich, R. I., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile fibers. 2,443,512, June 15.
- Powers, James C., Jr., Barrington, R. I. Sailing game. 2,455,519, Dec. 7.
- Powers, James T., Jr., assignor to Funk Forging Company, Chicago Heights, Ill. Display appliance. 2,456,990, Dec. 21.
- Powers, John J., St. Louis, Mo. Dump trailer. 2,436,017, Feb. 17.
- Powers, Otto L., assignee, et al.: *See*—
Michela, John P.
- Powers, Paul O.: *See*—
Weber, Karl H., and Powers.
- Powers, Paul O., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum type surface covering. 2,444,468, July 6.
- Powers, Paul O., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum surface covering. 2,457,600, Dec. 28.
- Powers Photo Engraving Company, assignee: *See*—
Maisch, George.
- Powers, Stephen J., assignor to Standard Telephones and Cables Limited, London, England. Tubular electrode assembly support for vacuum tubes. 2,438,519, Mar. 30.
- Powers, Stephen J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Manufacture of base assemblies for electric discharge tubes. 2,454,834, Nov. 30.
- Powers, Walter H., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Assembling sheet metal parts. 2,435,697, Feb. 10.
- Powers, Walter P., Spring Lake, assignors to Associated Patentees, Inc., Ampere, N. J. Optical indicator having cooperating grids. 2,451,972, Oct. 19.
- Powers, Walter P., Spring Lake, assignor to Associated Patentees, Inc., Ampere, N. J. System for transmitting motion from a movable measuring element to a movable informing element. 2,453,098, Nov. 2.
- Powling, Philip S.: *See*—
Byrne, Joseph F., and Powling.
- Poyner, Frank C., San Diego, Calif. Lubrication adapter. 2,438,128, Mar. 23.
- Pozun, John L., and L. Houghton, assignors of one-third to H. C. Faust, Johnstown, Pa. Foldable shelf. 2,445,082, July 13.
- Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Shaving gears. 2,435,405, Feb. 3.
- Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Sewage treatment. 2,442,432, June 1.
- Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment tank for sludge removal means therefor. 2,444,671, July 6.
- Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Automatic zeolite softener. 2,447,477, Aug. 17.
- Praizner, Edward, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system provided with channel assurance and transmission regulation. 2,439,398, Apr. 13.
- Prakke, Frits: *See*—
Fennema, Pieter H., Kronouer, and Prakke.
- Pramschiefer, Albert C.: *See*—
Hefner, George D., and Pramschiefer.
- Prance, Alvin W., Royal Oak, assignor to Briggs Manufacturing Company, Detroit, Mich. Door structure for motor vehicles. 2,438,185, Mar. 23.
- Prance, Edgar E., Quitman, Ga. Truss. 2,435,406, Feb. 3.
- Prather, Marion W., Philo, Calif. Diaphragm applicator. 2,444,672, July 6.
- Prats, Anthony E.: *See*—
Petroff, Sergius, and Prats.
- Pratt, Best, assignor to Brake Equipment & Supply Company, Chicago, Ill. Disk brake. 2,440,020, Apr. 20.
- Pratt, Burt C.: *See*—
Miller, Henry C., and Pratt.
- Pratt, Burt C., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment compositions. 2,456,313, Dec. 14.
- Pratt, Burt C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Saturated linear polyesters of mercaptodicarboxylic acids with dihydric alcohols. 2,456,314, Dec. 14.
- Pratt, Edward L., Pekin, Ill. Automatic electromagnetic automobile door emergency latch. 2,448,619, Sept. 7.
- Pratt, Perry W., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Ignition control. 2,448,003, Aug. 24.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Locking means for indicating instruments. 2,433,923, Jan. 6.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn.; said Gray assignor to said Pratt. Document camera and printer. 2,435,099, Jan. 27.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Optical system for microfilm apparatus. 2,439,055, Apr. 6.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Adjustable feed shelves for paper handling machinery. 2,444,580, July 6.
- Pray, Henry A., and C. L. Faust, Columbus, Ohio, and F. C. Jelen, Syracuse, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation. Preparing alumina. 2,436,778, Feb. 24.
- Pray, Henry A. H., and I. Igelsrud, Columbus, Ohio, and G. L. Simard, Stamford, Conn., assignors, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Chemical polishing of metal surfaces. 2,446,060, July 27.
- Pray, Lester W., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle brake mechanism. 2,457,089, Dec. 21.
- Praytor, Dennis M., and K. Kershaw, Birmingham, Ala. Ballast stripper. 2,449,714, Sept. 21.
- Preble, Andrew Y., El Centro, Calif. Method and apparatus for precooling freight cars. 2,434,432, Jan. 13.
- Preble, J. Donald: *See*—
Meiller, Daniel V., Preble, and Tuttle.
- Precision Metal Workers, assignee: *See*—
Grunwald, Albert C.
- Precision Methods Co., Inc., assignee: *See*—
De Boer, Willis, Betts, and Polidor.
- Precision Scientific Co., assignee: *See*—
Newman, Alexander I.
- Precision Shapes, Inc., assignee: *See*—
Fassnach, Paul H.
- Precision Tool Co. Limited, assignee: *See*—
Glover, Leonard Ernest.
- Preco Incorporated, assignee: *See*—
Lindvall, Frederick C., Beemer, and Montgomery.
- Predmore, Bert, assignor to The Seamless Rubber Company, New Haven, Conn. Urinal. 2,445,694, July 20.
- Preisman, Albert, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio monitoring system. 2,450,018, Sept. 28.
- Preisman, Albert, Flushing, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Wave generating system. 2,457,176, Dec. 28.
- Preload Corporation, The, assignee: *See*—
Crom, John M.
- Premier Crystal Laboratories, Inc., assignee: *See*—
Bach, Henry M.
Jahrling, Robert J.
- Premier Thread Company, assignee: *See*—
Giglio, Antonio J.
- Premium Cap Company, assignee: *See*—
Rabushka, Hyman M.
- Premium Merchandising Corporation, assignee: *See*—
Moore, David P.
- Premo, Owen D., assignee: *See*—
Tusa, Victor.
- Prendergast, Laurence: *See*—
Hagen, John A., Prendergast and Gregor.

- Prentice, Russell E., Celina, Ohio, assignor to General Aniline & Film Corporation, New York, N. Y. Bed latch for cameras. 2,445,036, July 13.
- Prentiss, Spencer S., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Liquid oxygen "walkaround" unit. 2,434,956, Jan. 27.
- Prentiss Wabers Products Co., assignee: *See*—Jenson, Kenneth S.
- Prescott, Isaac S., Orlando, Fla. Boom sprayer. 2,444,367, June 29.
- President and Board of Trustees of St. Louis, assignee: *See*—Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
- Press, Myron H., Woodside, N. Y. Motion-picture projector. 2,434,518, Jan. 13.
- Press-On Inc., assignee: *See*—Emmey, Charles, and Katzenstein.
- Press, Ray A., Lancaster, Calif. Reel for grain harvesters. 2,457,490, Dec. 28.
- Press Wireless, Inc., assignee: *See*—Chapin, Reynold S. Crosby, Murray G. Sprague, Robert M.
- Pressley, Everett L., Aledo, Ill. Power check planter. 2,435,054, Jan. 27.
- Pressley, Felix H., Piedmont, S. C. Check for picker stick of looms. 2,452,955, Nov. 2.
- Pressley, Jackson H., Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Inertia tripping mechanism. 2,436,529, Feb. 24.
- Pressley, Jackson H., Marion, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Phonograph apparatus. 2,457,106, Dec. 21.
- Presstite Engineering Company, The, assignee: *See*—Sussenbach, Paul.
- Prest, Clarence O., assignor of one-half to Lockheed Aircraft Corporation, Burbank, Calif. Nonferrous alloy. 2,438,863, Mar. 30.
- Prester, Arthur, Philadelphia, Pa. Punch. 2,446,848, Aug. 10.
- Preston, Frederick A., Lake Forest, and H. G. Warr, Park Ridge, assignors to Poor & Company, Chicago, Ill. Two-way rail anchor. 2,434,865, Jan. 20.
- Preston, John: *See*—Olson, Harry F., and Preston.
- Preston, John L., Wichita Falls, Tex. Surgical appliance for treating jaw and other facial bone fractures. 2,453,934, Nov. 16.
- Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic controlling system. 2,439,862, Apr. 20.
- Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,439,948, Apr. 20.
- Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system for railroads. 2,456,533, Dec. 14.
- Preston, Robert K.: *See*—Fleck, Elmer E., and Preston.
- Preusser, Henry M.: *See*—Kester, Ernest B., and Preusser.
- Previdi, William T., Alendale, N. J. Zipped-in underarm gusset. 2,447,989, Aug. 24.
- Prevost, Auxance N., Deep River, Conn. Piano mechanism. 2,455,139, Nov. 30.
- Prevost, Charles, assignor to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation of 2-amino-4-methyl pyrimidine. 2,449,908, Sept. 21.
- Prevost, Gerard T., and J. M. Downes, Bridgeport, Conn. Nonskid device for tires. 2,437,040, Mar. 2.
- Pribil, Frank J., St. Joseph, Mo. Beater. 2,442,326, May 25.
- Price Brothers & Company, Limited, assignee: *See*—Hill, Harold S., and Beath.
- Price, Charles S., Hollis, N. Y. Bottle carrier. 2,446,161, July 27.
- Price, Donald, New York, N. Y., and F. J. Sprules, Arlington, assignors to Nopco Chemical Company, Harrison, N. J. Oxidation of fatty substances. 2,446,849, Aug. 10.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Tractor-trailer brake system. 2,434,050, Jan. 6.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power control unit for brakes. 2,445,862, July 27.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Booster for brake systems. 2,446,884, Aug. 10.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure fluid operated pressure intensifier. 2,450,160, Sept. 28.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,450,161, Sept. 28.
- Price, Edmund G., Mount Lebanon, Pa., assignor to National Tube Company. Pipe shipping package and forming the same. 2,447,206, Aug. 17.
- Price, Edwin C., Newburgh, N. Y. Vehicle loading ramp. 2,437,479, Mar. 9.
- Price, Ervin C., Washington, D. C. Portable hair-rinsing basin. 2,455,607, Dec. 7.
- Price, Eugene A., Spokane, Wash. Pendulously operated crank timing indicator. 2,438,229, Mar. 23.
- Price, Foster S., Sterling City, Tex. Vaccination device. 2,447,596, Aug. 24.
- Price, Harold C., and B. V. Elliott, assignors, by mesne assignments, to H. C. Price Co., Bartlesville, Okla. Hydraulic internal line-up clamp. 2,452,867, Nov. 2.
- Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,440,558, Apr. 27.
- Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure controlled power steering mechanism. 2,447,815, Aug. 24.
- Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure fluid follow-up servomotor. 2,457,721, Dec. 28.
- Price, James G., Coalgrove, Ohio. Shingles and clips therefor. 2,447,275, Aug. 17.
- Price, Leo F., Spokane, Wash. Pulling apparatus. 2,451,117, Oct. 12.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Rotary turbine-type hydraulic coupling. 2,448,824, Sept. 7.
- Price, Nathan C., Hollywood, Calif., assignor to Boeing Airplane Company. Pressure-regulating control mechanism. 2,456,215, Dec. 14.
- Price, Nathan C., and H. A. Greenwald, Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Turbine rotor. 2,448,825, Sept. 7.
- Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Manufacture and construction of solenoids, magnets, and coils, and the protection of the winding thereof. 2,444,469, July 6.
- Price, Osborne I., Frederick, Md. Electric relay. 2,449,086, Sept. 14.
- Price, Osborne I., Frederick, Md. Electromagnet. 2,453,158, Nov. 9.
- Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Coil-supporting structure. 2,453,725, Nov. 16.
- Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Electrically controlled switch. 2,455,947, Dec. 14.
- Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Valve means to compensate for viscosity in hydraulic systems. 2,456,431, Dec. 14.
- Price, Robert E.: *See*—Kremers, Harry C., and Price.
- Price, Robert W., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding control system. 2,442,017, May 25.
- Price, Vernon J., West Dearborn, Mich. Animal trap. 2,454,476, Nov. 23.
- Price, Vernon L., San Jose, Calif. Percussion tool. 2,436,450, Feb. 24.
- Price, William K., Rosemont, Pa., assignor to Flexitall Gasket Company, Camden, N. J. Composite compressible gasket. 2,442,311, May 25.
- Price, William K., Rosemont, Pa., assignor to Flexitall Gasket Company, Camden, N. J. Spiral wound gasket. 2,442,312, May 25.
- Price, William K., Wayne, Pa., assignor to Flexitall Gasket Company, Camden, N. J. Spiral wound gasket. 2,442,313, May 25.
- Fridham, Edwin S., Oakland, Calif., assignor to The Magnavox Company, Fort Wayne, Ind. Manufacturing condensers. 2,449,952, Sept. 21.
- Pridy, Whetstone B., Long Beach, Calif. Truck body and bolster. 2,450,204, Sept. 28.
- Priest, Herbert C., Bexley, near Sidney, New South Wales, Australia. Counting mechanism. 2,439,578, Apr. 13.
- Priest, Vall C., Mountainair, N. Mex. Valve actuating means. 2,445,493, July 20.
- Priestley, Kenneth D., Campbell, Calif. Irrigation ridge blocker. 2,456,083, Dec. 14.
- Priestley, Winfred K.: *See*—McConnell, Edmond S., Priestley, and Volk.
- Priestman Brothers, Messrs, Limited, assignee: *See*—Priestman, Sydney H.
- Priestman, Sydney H., Hull, assignor to Messrs Priestman Brothers Limited, Hull, York, England. Grab for lifting materials. 2,445,002, July 13.
- Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Producing α -ethylpiperonyl ethers. 2,456,316, Dec. 14.
- Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. 3,4-methylene-dioxyphenyl-propylene compound. 2,456,991, Dec. 21.
- Prill, Erhard J., Cresskill, N. J., assignor to United States Rubber Company. 2,3-dicyano-3-buten-2-yl esters. 2,446,167, Aug. 3.
- Prillman, John D., Cincinnati, Ohio, assignor to Stobo Corporation, Wilmington, Del. Adjusting and operating truck for car end straighteners. 2,443,930, June 22.
- Prime Manufacturing Company, The, assignee: *See*—Moore, Sidney A.
- Primus, Irving, Forest Hills, assignor to I. Gerber, Brooklyn, N. Y. Garment stretching and pressing machine. 2,436,121, Feb. 17.
- Prince, Burton A., Westfield, Mass., assignor to W. E. Irving, Glenbrook, Conn. Splice for grating structures. 2,443,801, June 22.

- Prince, Leon M., Jr., New York, N. Y. Wax emulsion. 2,441,842, May 18.
- Prince-Smith & Stells Limited, assignee: *See*—Wright, Frank.
- Prince, Warren V., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 2,453,813, Nov. 16.
- Princell, Joseph W., Minneapolis, Minn. Boat mooring device. 2,456,839, Dec. 21.
- Princess Shoe Company, assignee: *See*—Farina, Julius.
- Prindle, Charles: *See*—Yardney, Michel N., and Prindle.
- Pringle, Glenn B., Euclid, Ohio, assignor, by decree of distribution, to H. P. Pringle. Method of and means for cooling beverages. 2,447,769, Aug. 24.
- Pringle, Helen P., assignee: *See*—Pringle, Glenn B.
- Prior, Ethel M., West Hartford, Conn. Cover for flatiron stands. 2,434,225, Jan. 6.
- Prior, Harold D., Plainfield, N. J., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Superopaque enamel. 2,436,825, Mar. 2.
- Pritchard, Franklin H., Erie, Pa., assignor to General Electric Company. Traction motor control system. 2,450,300, Sept. 28.
- Pritchard, Herbert E., New Orleans, La. Vaporizer. 2,451,238, Oct. 12.
- Pritchard, Lena L., Los Angeles, Calif. Foldable cart and car seat. 2,449,618, Sept. 21.
- Pritchard, Ralph W., Jr., Chicago, Ill. Locking clip. 2,457,272, Dec. 28.
- Pritchard, William W., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making amines. 2,456,815, Dec. 14.
- Pritchard, Wilnot T., assignor to Stetson-Ross Machine Company, Seattle, Wash. Hydraulic marine steering gear for operating the rudders of ships. 2,455,090, Nov. 30.
- Pritchett, Irene, (Mrs.), assignee: *See*—Barber, Lonnie.
- Probst, Ernest F.: *See*—Miller, Beulah F., and Probst.
- Probst, Karl K., Lansing, Mich. Internal-combustion engine. 2,440,726, May 4.
- Procoffieff, Michel: *See*—Bert, Leonce, and Procoffieff.
- Procter & Gamble Company, The, assignee: *See*—Abbott, Andrew D.
- Proctor, Eddy W.
- Proctor, James C., Marion County, Ind. Pitcher. 2,447,429, Aug. 17.
- Proctor Electric Company, assignee: *See*—Walder, Emil, and Myers.
- Proctor & Schwartz, Inc., assignee: *See*—Bokum, William F.
- Hurxthal, Alpheus O.
- Leithmann, Warren J., Jr., and Hurxthal.
- O'Keefe, George W.
- Wilson, Jack P., Lewis, Jr., and Glassford.
- Product Technicians, Inc., assignee: *See*—Crumrine, Chester W.
- Production Plating Works, Inc., The, assignee: *See*—Engelhauser, Winford L.
- Productive Inventions, Inc., assignee: *See*—Krohm, Fred A.
- Smulski, Theodore J.
- Produits Chimiques de Ribecourt, assignee et al.: *See*—Lalande, André.
- Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon fuel oil. 2,437,041, Mar. 2.
- Proffit, Lester M., Superior, Wis. Lead trowel. 2,450,860, Oct. 5.
- Progressive Welder Company, assignee: *See*—Johnson, Fred H., and Leathers.
- Promen, William N., Chicago, Ill. Golf practice device. 2,450,162, Sept. 28.
- Pro-phy-lac-tic Brush Company, assignee: *See*—D'Alelio, Gaetano F.
- Maynard, Charles E.
- Pro-Phy-Lac-Tic Company, The, assignee: *See*—Maynard, Charles E.
- Prosperity Company, Inc., The, assignee: *See*—Zimark, Louis.
- Prosser, Alfred J., Rochester, and E. A. Smith, Gravesend, assignors to W. T. Henley's Telegraph Works Company Limited, London, England. Machine for stranding wires. 2,440,185, Apr. 20.
- Prosser, George J., and C. L. Watts, assignors to Platt Brothers & Co., Limited, Oldham, England. Apparatus for winding textile strands. 2,443,869, June 22.
- Prosser, Robert A., Riverside, and A. S. Nichols, Oak Park, assignors to The Illinois Clay Products Company, Joliet, Ill. Material projecting apparatus. 2,437,042, Mar. 2.
- Protect-O-Farm Company, assignee: *See*—Lord, Kenneth M., and Warren.
- Prothro, Gardrad L., Sr., San Antonio, Tex. Folding table. 2,436,056, Feb. 17.
- Protzeller, Harry W., Fairmont, Minn., assignor to Tampa Aviation, Inc., Tampa, Fla. Refrigerated products and methods and apparatus for producing same. 2,447,665, Aug. 24.
- Proudfoot, Alvan A., assignee: *See*—Proudfoot, Charles B.
- Proudfoot, Charles B., Oak Ridge, Tenn., assignor of one-fourth to A. A. Proudfoot, Buffalo, N. Y. Vacuum rotary drum drier having means to compress evacuated vapors. 2,440,416, Apr. 27.
- Proudfoot, Oliver P.: *See*—Jones, Jesse E., and Proudfoot.
- Prouty, Robert E., R. E. Bish, Flora, and R. L. Adams, assignors, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Induction motor starting relay. 2,453,726, Nov. 16.
- Provost, Raymond C., Jr.: *See*—Woodward, Charles F., Saunders, and Provost.
- Pruden, Helen, Cincinnati, Ohio. Hose supporter. 2,443,802, June 22.
- Prudhon, Glenn L., Plainfield, and R. W. Spikula, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature controlled test system. 2,455,520, Dec. 7.
- Pruitt, Willis, assignor to Lawrence Products Co., Attalla, Ala. Stop motion mechanism for narrow fabric looms. 2,456,021, Dec. 14.
- Prust, Alvin F., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Zinc plating process and electrolyte. 2,446,983, Aug. 10.
- Pryde, Margaret S., executrix, et al.: *See*—Smith, Robert A.
- Pryor, Durham W., Lockport, Ill. Oil well pump. 2,435,407, Feb. 3.
- Ptáček, Anna, New York, N. Y. Radio device for secret communication. 2,444,750, July 6.
- Publisher Industries Inc., assignee: *See*—Beesch, Samuel C.
- Herman, Daniel F.
- Publix Metal Products, Inc., assignee: *See*—Nisenson, Jules.
- Puchlowski, Konstanty P., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactor operated electronic control system. 2,445,454, July 20.
- Puchner, Irving A., assignee: *See*—Elliott, Gordon R.
- Puckette, Charles, Jr., Ridgewood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Beam switch for single trace observance. 2,438,717, Mar. 30.
- Puckette, Charles M., Jr., Ridgewood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Connector for coaxial cable. 2,457,722, Dec. 28.
- Puddicombe, Albert B., North Hollywood, assignor to B. H. Stauffer, Los Angeles, Calif. Posture demonstrating device. 2,449,715, Sept. 21.
- Pudelko, Richard: *See*—Weber, Ernst, Pudelko, Bollmann, and Wermeille.
- Puett Electrical Starting Gate Corporation, assignee: *See*—Whann, Jesse P., and Harris.
- Pugh, Cyril A., and D. G. Booth, Ilford, and R. W. Rough, Romford, assignors to The Plessey Company Limited, Ilford, England. Valve. 2,437,480, Mar. 9.
- Pugh, Edward U., Garfield, N. J. Rocking horse. 2,448,390, Aug. 31.
- Pugh, Merlin L., Minneapolis, assignor to Franklin Transformer Manufacturing Co., Minneapolis, Minn. Rotary drum clothes drier having air circulating means and a lamp heater. 2,434,886, Jan. 20.
- Pugh, Merlin L., Minneapolis, Minn. Battery charging apparatus. 2,436,057, Feb. 17.
- Pugh, Merlin L., Minneapolis, Minn. Clothes drier. 2,451,692, Oct. 19.
- Pugh, Merlin L., Minneapolis, Minn. Clothes drier. 2,453,859, Nov. 16.
- Pugh, William J., assignee: *See*—Vetrano, Louis F.
- Pugh, William J., East Lynn, Mass. Turbine. 2,447,276, Aug. 17.
- Pugsley, Donald W., Bridgeport, Conn., assignor to General Electric Company. Frequency shift keying plus phase modulation. 2,450,992, Dec. 21.
- Pulliam, Seeley T., Houston, Tex. Eye speculum. 2,433,646, Mar. 30.
- Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match comb handling conveyer. 2,450,163, Sept. 28.
- Pullenlite Company, assignee: *See*—Pullen, Rodney S.
- Pullin, Cyril G., Wimbledon, London, England. Helicopter rotor mounting and drive. 2,440,225, Apr. 20.
- Pullman-Standard Car Manufacturing Company, assignee: *See*—Brack, Joseph L.
- Dittrich, Francis J.
- Rothfuchs, Oscar E.
- Pulp Reproduction Company, assignee: *See*—Risch, Arthur H.
- Puls, Alfred E., Cleveland, Ohio, and E. R. Swenson, assignors to Metropolitan Bending Company, Metropolis, Ill. Folding table. 2,450,353, Sept. 28.
- Puls, Herman: *See*—Raskin, Archie, Fox, and Puls.
- Pulver, Harold M., Douglass, assignor of fifty per cent to R. Bradshaw, Wichita, Kans. Nonskid attachment for shoes. 2,450,768, Oct. 5.

- Pumphrey, Walter H., New York, assignor to Voorhis-Tiebout Company, Inc., Red Hook, N. Y. Soap dispenser having a pivoted cutter. 2,441,034, May 4.
- Pura, Andrew R., Toronto, Ontario, Canada. Adjustable glider for furniture legs. 2,457,723, Dec. 28.
- Purcell, Peter E., Portland, Oreg. Loader for grease guns. 2,440,448, Apr. 27.
- Purchase, Samuel, Grand Rapids, Mich. Auto luggage carrier. 2,436,228, Feb. 17.
- Purdie, William H., assignor to William Doxford & Sons Limited, Sunderland, England. Multiple cylinder opposed piston and pumps. 2,434,584, Jan. 13.
- Purdue Research Foundation, assignees: *See*—
Degering, Edward F., and Feasley.
Hass, Henry B., and Bourland.
Hass, Henry B., and Whitaker.
McBee, Earl T., and Devaney.
McBee, Earl T., and Welch.
McBee, Earl T., and Weesner.
McBee, Earl T., and Wiseman.
Webb, Richard C.
Whaley, Randall M.
- Purdy, George W., Laurelton, N. Y. Coupling for rods, cables, and the like. 2,448,547, Sept. 7.
- Purdy, George W., Laurelton, N. Y. Coupling. 2,448,548, Sept. 7.
- Purdy, John F., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Making pneumatic tires. 2,451,973, Oct. 19.
- Purdy, Roland M.: *See*—
Frel, Jakob R., and Purdy.
- Pure Oil Company, The, assignee: *See*—
Ayers, George W.
Ayers, George W., and Lyon.
Bell, Richmond T.
Bell, Richmond T., and Thacker.
Bernard, George G., and Bond.
Bond, Donald C., and Bernard.
Bond, Donald C., and Russell.
Bond, Donald C., and Savoy.
Folkins, Hillis O.
Lukes, George E., and Swann.
Marisic, Milton M.
Savoy, Michael.
Schindler, Hans.
Schindler, Hans, and Anderson.
Stadtherr, John J.
Thacker, Carlisle M.
Thacker, Carlisle M., and Folkins.
- Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking system for series motors. 2,436,330, Feb. 17.
- Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking system for series motors. 2,447,666, Aug. 24.
- Purinton, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Multiplex radio communication. 2,449,819, Sept. 21.
- Purl, John H.: *See*—
Sanders, Royden C., Jr., and Purl.
- Purvin, Benjamin R.: *See*—
Somes, Howard E., and Purvin.
- Purvin, Robert L., Goose Creek, Tex., assignor to Standard Oil Development Company. Continuous polymerization of isobutylene. 2,444,848, July 6.
- Purvis, Judson A., Chicago, Ill. Loose-leaf binder. 2,437,360, Mar. 9.
- Puryear, Oney P.: *See*—
Ashburn, Harry V., Barnett, and Puryear.
Ashburn, Harry V., and Puryear.
- Puryear, Oney P., Fishkill, and H. V. Ashburn, Glenham, assignors to The Texas Company, New York, N. Y. Lithium base, grease and method of preparing the same. 2,450,254, Sept. 28.
- Puryear, Oney P., Fishkill, and H. V. Ashburn, Glenham, assignors to The Texas Company, New York, N. Y. Method of preparing lithium base greases. 2,450,255, Sept. 28.
- Pusey & Jones Corporation, The, assignee: *See*—
Bratton, Samuel M.
- Pushker, Harvey M., assignee: *See*—
Lund, Frank M.
- Puslecki, Frank: *See*—
Miller, Dola F., and Puslecki.
- Puster, Louis M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Electrical switch. 2,444,529, July 6.
- Putman, Robert D., and C. M. Magoun, Sioux City, Iowa. Seed counting and selecting device. 2,455,701, Dec. 7.
- Putnam, David F., Keene, and C. H. Cheeseman, Marlboro, assignors to Markem Machine Company, Keene, N. H. Ink reservoir for marking machines. 2,449,909, Sept. 21.
- Putnam, Earl R., Grosse Pointe Woods, and F. J. Nefske, Detroit, Mich. Artificial fish bait. 2,450,988, Oct. 12.
- Putnam, James B., El Campo, Tex. Internal-combustion motor with pistons symmetrically arranged about cams on the drive shaft. 2,450,912, Oct. 12.
- Putnam, John P., Boston, Mass., assignor to The Reece Corporation. Geometrical navigation instrument. 2,446,433, Aug. 3.
- Putnam, Stephen R.: *See*—
Worthen, Eugene P., Barbour and Putnam.
- Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Contacting apparatus for catalytic processes. 2,453,592, Nov. 9.
- Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Apparatus for separating entrained solids from gases. 2,453,593, Nov. 9.
- Putt, Donald R.: *See*—
Harshbarger, Walter J., and Putt.
- Putz, Thomas J., Upper Darby, and K. R. Stearas, Springfield, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine plant. 2,443,054, June 8.
- Putz, Thomas J., Upper Darby, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive reversing gearing apparatus. 2,477,186, Aug. 17.
- Pye Limited, assignee: *See*—
Edwards, Baden J.
Jackson, Donald.
Weighton, Donald.
- Pyk, Herman T., Saltsjö-Duvnas, and H. G. Camner, Storagen, assignors to Aktiebolaget Atlas Diesel, Sickla near Stockholm, Sweden. Scavenging for two-stroke cycle engines. 2,440,645, Apr. 27.
- Pyle, James J., Pittsfield, Mass., assignor to General Electric Company. Alkenyl silane interpolymers. 2,448,391, Aug. 31.
- Pyle, Marvin L., Los Angeles, Calif. Tow target exchange device. 2,435,980, Feb. 17.
- Pyle, Robert A., Lapeer, Mich. Fluid transmission. 2,451,118, Oct. 12.
- Pyles, George S., Glendale, Calif. Apparatus for flowing viscous liquids including a by-pass between a pump outlet and the liquid chamber. 2,443,146, June 8.
- Pyner, Robert L., Roselle Park, N. J. Guide for correcting typewriting. 2,444,673, July 6.
- Pyrene Company Limited, The, assignee: *See*—
Zieschang, Richard.
- Pyrene Manufacturing Company, assignee: *See*—
Dodelin, Frederick A.
- Quackenbush, Edward C., Roselle, Ill. Electrical contact socket. 2,443,513, June 15.
- Quackenbush, Edward C., Roselle, Ill., and H. Selvidge, Silver Spring, Md. Joint for high-frequency transmission lines. 2,451,868, Oct. 19.
- Quadt, Raymond A.: *See*—
Smith, Albert A., Jr., and Quadt.
- Quady, John C., Pasadena Hills, and W. L. Davis, Jr., Normandy, Mo. Convertible type aircraft. 2,448,392, Aug. 31.
- Quaker Chemical Products Corporation, assignee: *See*—
Abrams, Ellis.
Bernstein, Herbert I., and Long.
Gilmann, Henry H.
Klauer, Joseph H., and Bjorksten.
- Quaker City Gear Works, Inc., assignee: *See*—
Berlinger, Bernard E.
- Quaker Oats Company, The, assignee, et al.: *See*—
Dunlop, Andrew P.
Dunlop, Andrew P., and Reineck.
Turner, Charles W., and Reineck.
- Qualheim, Harold J.: *See*—
Quinn, Peter F., and Qualheim.
- Qualheim, Inc., assignees: *See*—
Quinn, Peter F., and Qualheim.
- Quality Appliances, Inc., assignee: *See*—
Snyder, Leland H.
- Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic indicator for directional receivers. 2,434,957, Jan. 27.
- Quarles, Richard W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Polyvinyl butyral resin composition. 2,442,018, May 25.
- Quast, Gilbert W.: *See*—
Longenecker, Charles I., and Quast.
- Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Hand lift truck. 2,439,781, Apr. 13.
- Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Control lever. 2,450,354, Sept. 28.
- Queeny, Edgar M., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Thermosetting laminating sirups. 2,451,410, Oct. 12.
- Queitzsch, Karl E., York, Pa. Machine for bending wire into ribbon form. 2,446,608, Aug. 10.
- Querry, Merle V.: *See*—
Baker, Bernard R., and Querry.
- Quick, William M., Houston, Tex. Internal-combustion reaction motor. 2,446,785, Aug. 10.
- Quigg, Harold T., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of saturated hydrocarbons. 2,439,021, Apr. 6.
- Quiggle, Edgar J., Shelby, Ohio. Folding baby seat. 2,450,301, Sept. 28.
- Quigley, Herbert, and H. T. Meer, assignors to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,439,549, Apr. 13.
- Quigley, Herbert, and A. F. Lickteig, assignors to National Brass Company, Grand Rapids, Mich. Cupboard catch. 2,453,935, Nov. 16.
- Quigley, John J., Jersey City, and P. Ricklefs, Bogota, assignors to Block Drug Company, Inc., Jersey City, N. J. Carton-forming machine. 2,441,372, May 11.

- Quilter, John R. C., Woking, England. Parachute pack. 2,436,177, Feb. 17.
- Quilter, John R. C., Woking, England. Parachute pack. 2,439,818, Apr. 6.
- Quilter, John R. C., Woking, England. Parachute harness. 2,439,613, Apr. 13.
- Quilter, John R. C., Woking, England. Disconnectible push coupling. 2,446,951, Aug. 10.
- Quincy, William S., Jr.: See—
- Kester, Robert E., and Quincy.
- Quinlan, Amos L., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tape dispensing apparatus. 2,435,795, Feb. 10.
- Quinlan, Joseph A., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Directional control means for highway crossing signals. 2,452,863, Nov. 2.
- Quinn, Arthur H., Dorchester, Mass., assignor to Universal Shoe Corporation, Sanford, Maine. Platform type shoe and making same. 2,438,821, Mar. 30.
- Quinn, Clark E.: See—
- Liston, Max D., and Quinn.
- Quinn, David H., U. S. Navy. Water purifier. 2,434,958, Jan. 27.
- Quinn, Gerald S., assignor to Sylvania Electric Products Inc., Salem, Mass. Method and means for protecting fluorescent coatings and the like. 2,454,745, Nov. 23.
- Quinn, Peter F., and H. J. Qualheim, assignors to Qualheim, Inc., Racine, Wis. Machine for dicing food products. 2,442,210, May 25.
- Quiring-Owston, Inc., assignee: See—
- Quiring, William.
- Quiring, William, assignor to Quiring-Owston, Inc., Wichita, Kans. Folding golf club cart. 2,449,910, Sept. 21.
- Quirk, Earl W.: See—
- Barganz, Walter A., and Quirk.
- Quirk, Earl W., and A. R. Buchholz, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Starting control for coin counting machines. 2,438,822, Mar. 30.
- Quiroz, Francisco A., Newark, assignor to Kieley & Mueller, Inc., North Bergen, N. J. Valve construction. 2,437,552, Mar. 9.
- Quisling, Sverre, assignee: See—
- Karow, John.
- Quist, Cornelius: See—
- Weyenberg, Henry, and Quist.
- Raab, Edward L.: See—
- Clark, Frank M., and Raab.
- Raab, William J.: See—
- Winkler, De Loss E., Raab, and Ballard.
- Raasch, Maynard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Saturated polyhaloalkyl sulfides and methods for their preparation. 2,451,411, Oct. 12.
- Raasch, Maynard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorohydracrylic acids and their esters. 2,452,791, Nov. 2.
- Rabb, Joseph, Jr.: See—
- Kaumeyer, Richard A., and Rabb.
- Rabazzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Making spark plugs. 2,437,209, Mar. 2.
- Rabinow, Jacob, Washington, D. C. Automatic focusing of cameras. 2,456,317, Dec. 14.
- Rabinowitz, Harold M., Brooklyn, N. Y. Compound of urobilinogen and hippuric acid as antipressor. 2,447,363, Aug. 17.
- Rabinowitz, Jacob, Brooklyn, assignor to Pavelle Color Incorporated, New York, N. Y. Photographic shutter operating and control mechanism. 2,448,736, Sept. 7.
- Rabinowitz, Louis M., Brooklyn, assignor to Lamar Slide Fastener Corporation, New York, N. Y. Slider bending machine. 2,453,860, Nov. 16.
- Rabjohn, Lloyd E., Glendale, Calif. Filter cartridge. 2,435,510, Feb. 3.
- Rabushka, Hyman M., Clayton, assignor to Premium Cap Company, St. Louis, Mo. Ear muff arrangement. 2,442,825, June 8.
- Raby, Victor R., Los Angeles, Calif. Camera carriage. 2,447,667, Aug. 24.
- Rachels, Wilbur C.: See—
- Lehman, Wendell M., and Rachels.
- Rachlin, Maurice, Brooklyn, assignor to Max Rachlin, Flushing, N. Y. Making downspout hooks and articles formed thereby. Re. 22,992, Mar. 30.
- Rachlin, Max, assignee: See—
- Rachlin, Maurice.
- Rachlin, Max, Flushing, N. Y. Strap hanger. 2,442,144, May 25.
- Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film registering apparatus. 2,437,361, Mar. 9.
- Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Continuous drum printer for motion pictures. 2,444,785, July 6.
- Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic optical printer having a toothed register belt. 2,444,786, July 6.
- Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic dye printing. 2,457,319, Dec. 28.
- Radcliffe, Milton R., Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Moisture proof polyvinyl films. 2,435,464, Feb. 3.
- Radcliffe, Milton R., Glen Rock, and C. E. Best, Montclair, N. J., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of solid tetrachlorobutane. 2,445,729, July 20.
- Radcliffe, Milton R., Glen Rock, N. J., and W. G. Mayes, Cuyahoga Falls, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Resins from methylene diocholanes. 2,445,733, July 20.
- Radde, George, Center Line, Mich. Cable grab block. 2,445,123, July 13.
- Rademaker, George, Chicago, Ill. Rail joint. 2,444,954, July 13.
- Radinsky, Felix, Olympia, Wash. Mechanical pool table. 2,450,613, Oct. 5.
- Radio Corporation of America, assignee: See—
- Albin, Frederick G.
- Anderson, Earl I.
- Artzt, Maurice.
- Badmaieff, Alexis.
- Ballard, Randall C.
- Barton, Loy E.
- Bashgetoor, Ray V.
- Beard, Joseph G., Harralson, and Kreithen.
- Bedford, Alda V.
- Beers, George L.
- Belar, Herbert.
- Beleskas, Stanley M.
- Bierwirth, Rudolph A.
- Blain, Albert.
- Bliss, Warren H.
- Blitz, Daniel.
- Blodgett, Edward D.
- Blodgett, Edward D., and Bond.
- Bloomberg, Daniel J., and Watson.
- Boerner, Thomas J. and Sanborn.
- Born, Leo W.
- Braden, Rene A.
- Brian, Joseph M.
- Brown, George H.
- Brown, George H., and Morrison.
- Brown, George W.
- Brown, George W., and Goldberg.
- Brunside, Don G.
- Canfora, Arthur E.
- Carlson, Wendell L.
- Carlson, Wendell L., and Donley.
- Carter, Philip S.
- Charrier, George M.
- Clammer, Edward S., Ackerman, and Barton.
- Cole, Ben R.
- Collins, Milford E.
- Conklin, James W.
- Corrington, Murlan S.
- Crawley, James B.
- Crosby, David R.
- Crosby, Murray G.
- Cunningham, David H., and Belar.
- Curtis, Lucien B.
- Daley, Charles.
- Davidson, Norman R.
- Dean, William W. H.
- Dearing, John B.
- De Vore, Henry B.
- Dimmick, Glenn L.
- Donal, John S., Jr., Brown, and Cuccia.
- Donal, John S., Jr., and Hegbar.
- Dow, Orville E.
- Duttera, William S.
- Eaton, Thomas T.
- Eddison, Clifford.
- Epstein, David W.
- Evans, John.
- Flory, Leslie E.
- Flory, Leslie E., and Morton.
- Ford, John R.
- Forgue, Stanley V.
- Fredendall, Gordon L.
- Friend, Albert W.
- Gerber, Paul D.
- Gillespie, Charles N.
- Glover, Alan M., and Janes.
- Goble, George H.
- Goldstine, Hallan E.
- Goldstine, Hallan E., and Voigt.
- Goodale, Elmer D., and Duke.
- Greenough, Maurice L.
- Greig, Harold G.
- Grosdoff, Igor E.
- Grundmann, Gustave L.
- Haefl, Andrew V.
- Hammond, John H., Jr.
- Hanchett, George D., Jr.
- Hansell, Clarence W.
- Hanson, George E. H.
- Harvey, Robert L.
- Haynes, Harold E.
- Haynes, Robert L.
- Heller, Harold P.
- Henry, Thomas J.
- Herold, Edward W., and North.
- Hershsberger, William D.

Radio Corporation of America, assignee: *See*—Continued.

Hillier, James.
 Hillier, James and Baker.
 Hofberg, Alf H.
 Holmes, Ralph S.
 Holst, Paul F. G., and Kirkwood.
 Houghton, William D.
 Iams, Harley A.
 Iams, Harley, Rose, and Krieger.
 Johnson, Ernest O.
 Jones, Mack C., and Matson.
 Keizer, Eugene O.
 Kellar, Joseph.
 Kellogg, Edward W.
 Kimball, Charles N.
 Kirkwood, Loren R., and Holst.
 Knauf, Harry V., Jr.
 Koch, Winfield R.
 Korman, Nathaniel I.
 Krieger, Gardner L.
 Kroger, Fred H.
 Lakatos, Louis L.
 Lane, Albert E.
 Langmuir, David B.
 Lappin, Lester S., and Corporon.
 Lappin, Lester S., and Holtz.
 Law, Russel R.
 Lawrence, Howard C., Jr.
 Leverenz, Humboldt W.
 Liebscher, Arthur.
 Lindenblad, Nils E.
 Linder, Ernest G.
 Lowden, William P.
 Luck, David G. C.
 Ludwig, James H.
 Mackey, Donald.
 Marquis, John F.
 Martin, Stuart T., Jr.
 Mathes, Richard E.
 Mell, Clifford W.
 Mercer, William R.
 Merrill, Frederic D., Jr.
 Miller, William A.
 Miller, William A., and Shenk.
 Moore, Arnold R.
 Moore, John B., and Mathes.
 Morton, George A.
 Morton, George A., and Flory.
 Mountjoy, Garrard, Hulst, and Schoenfeld.
 Mueller, Charles W.
 Murdoch, Alexander, Jr.
 Nergaard, Leon S.
 Nergaard, Leon S., Burnside, and Pensak.
 Newman, William E.
 Nicoll, Frederick H.
 Nicoll, Frederick H., and Williams.
 Norton, Lowell E.
 Obert, Maximilian J.
 Olson, Harry F., and Preston.
 Perry, Sydney V.
 Pessel, Leopold.
 Peterson, Harold O.
 Pettus, James L.
 Phelps, George N.
 Phyfe, James D.
 Purington, Ellison S.
 Rajchman, Jan A.
 Ramberg, Edward G.
 Reinhold, Leonhard F., and Spencer.
 Reisner, John H., and Picard.
 Richmond, Martin R.
 Roberds, Wesley M.
 Roberds, Wesley M., Beard, and Blancha.
 Roberts, Walter V. B.
 Rosencrans, Charles A.
 Rosenthal, Fritz.
 Ruggieri, Ernest P.
 Rundle, Henry Mc D.
 Runge, Frank E.
 Sachtleben, Lawrence T.
 Sanders, Royden C.
 Sanders, Royden C., Jr.
 Sanders, Royden C., Jr., and Purl.
 Sands, William F.
 Sarnoff, David.
 Schade, Otto H.
 Schell, Roger E.
 Schlesinger, Kurt.
 Schoenfeld, Earl.
 Schrader, Ross E.
 Schroeder, Alfred C.
 Seeley, Stuart W.
 Shenk, Eugene R., and Kahn.
 Shenk, Eugene R., and Liguori.
 Smith, Charles P.
 Smith, James E.
 Smith, Perry C.
 Smith, Perry C., and Runge.
 Smith, Philip T., and Hegbar.
 Smith, Rogers M.
 Snyder, Richard L., Jr.
 Snyder, Richard L., Jr., and Goodrich.
 Solomon, Myer.

Radio Corporation of America, assignee: *See*—Continued.

Sontheimer, Carl G.
 Spencer, James A.
 Spencer, James A., Kennedy, and Thomas.
 Spencer, James A., and Warwick.
 Spooner, John M.
 Stewart, Welby E.
 Stolze, William J., and Anderson.
 Stone, Fred B.
 Stone, Robert P.
 Swedlund, Lloyd E.
 Sziklai, George C.
 Sziklai, George C., and Thalner.
 Thalner, Robert F.
 Tolson, William A.
 Tolson, William A., and Meneley.
 Torsch, Charles B.
 Tourshou, Simoen I.
 Townsend, Charles L.
 Trevor, Bertram.
 Turner, Alfred H.
 Usselman, George L.
 Vance, Arthur W.
 Vilkomerson, Benjamin S.
 Wachs, Theodore, and Shutt.
 Wald, Sidney.
 Warwick, James C.
 Weimer, Paul K.
 Weimer, Paul K., Zworykin, and Wolff.
 Weiner, James R.
 Whittaker, James L.
 Williams, Ferd E.
 Wittenberg, Hubert H.
 Wolff, Irving.
 Wood, Lawrence A., Jr.
 Woodward, Oakley M., Jr.
 Wright, Antony.
 Young, Charles J.
 Zappacosta, Amedeo D.
 Zworykin, Vladimir K.
 Zworykin, Vladimir K., and Flory.
 Zworykin, Vladimir K., and Hillier.
 Radio Electronics Limited, assignee: *See*—
 Van den Bosch, Francois J. G., and Tapp.
 Radio Patents Corporation, assignee: *See*—
 Guanella, Gustav.
 Guanella, Gustav, and Güttinger.
 Rath, Karl.
 Vanderlaan, Charles H.
 Radioplane Company, assignee: *See*—
 McGaffey, Neil F.
 Radio Transmission Equipment Limited: *See*—
 Bailey, Christopher E. G.
 Rado, John A., Little Neck, N. Y., assignor, by mesne
 assignments, to Hazeltine Research, Inc., Chicago, Ill.
 Pulse generator. 2,445,888, July 27.
 Rady, William J., Anderson, Ind., assignor to General
 Motors Corporation, Detroit, Mich. System of generator
 regulation. 2,453,341, Nov. 9.
 Raemer, Lloyd R., Chicago, Ill. Portable building struc-
 ture. 2,440,449, Apr. 27.
 Raffold Process Corporation: *See*—
 Rafton, Harold R.
 Rafton Engineering Corporation, assignee: *See*—
 Rafton, Harold R.
 Rafton, Harold R., Andover, Mass., assignor to Raffold
 Process Corporation. Treatment of satin white.
 2,435,600, Feb. 10.
 Rafton, Harold R., Andover, Mass., assignor to Raffold
 Process Corporation. Treatment of pigment compris-
 ing calcium carbonate. 2,447,532, Aug. 24.
 Rafton, Harold R., Andover, Mass., assignor to Rafton
 Engineering Corporation. Machine for impacting pig-
 ments against a rotating disk element. 2,448,049, Aug.
 31.
 Rafton, Harold R., Andover, Mass., assignor to Raffold
 Process Corporation. Treatment of pigment compris-
 ing calcium carbonate. 2,451,448, Oct. 12.
 Rafton, Harold R., Andover, Mass., assignor to Raffold
 Process Corporation. Treatment of calcium sulfate.
 2,453,099, Nov. 2.
 Ragan, Robert O.: *See*—
 Richardson, Ralph R., Ritter, and Ragan.
 Raiche, Louis G.: *See*—
 Molloy, Eddie, and Raiche.
 Raiff, Andrew, Brooklyn, and S. S. and V. G. Robbins,
 New York, and I. S. Rosen, Brooklyn, N. Y. Projection
 printing easel. 2,441,843, May 18.
 Railroad Accessories Corporation, assignee: *See*—
 Lundy, Beverly A.
 Railroad Products Company, assignee: *See*—
 McGarry, John T.
 Raimondi, Gaetano, New York, N. Y. Land and water
 vehicle. 2,449,320, Sept. 14.
 Raines, Arnold: *See*—
 Everett, John L., and Raines.
 Raines, Arnold, and R. W. Boydston, Philadelphia, and
 A. J. Eshner, Elkins Park, Pa. Making front-surface
 mirrors. 2,443,196, June 15.
 Rainey, James L.: *See*—
 Auten, Robert W., and Rainey.
 Bock, Louis H., and Rainey.

- Rains, Bertram V., Raymondville, Tex. Combined cleaner, drier, and grainery. 2,440,524, Apr. 27.
- Raison, Clifford G.: *See—*
Curd, Francis H. S., Raison, and Rose.
- Raitch, Alexander J., Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Chair iron for tilting seats. 2,441,251, May 11.
- Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer for transforming polar into rectilinear coordinates. 2,436,178, Feb. 17.
- Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Indicating condition of memory element and selectron. 2,442,985, June 8.
- Rake, Geoffrey W., Milltown, O. Wintersteiner, Dewey Heights, H. B. MacPhillamy and C. M. McKee, New Brunswick, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing antibiotic substance. 2,443,962, June 22.
- Rakos, Nicholas, Cleveland, Ohio. Internal-combustion engine and lubricating system therefor. 2,447,277, Aug. 17.
- Raley, John H.: *See—*
Rust, Frederick F., and Raley.
- Rallison, Frederick W., Preston, Idaho. Toolholder for artificial arms. 2,453,936, Nov. 16.
- Ralph, Sidney, Jacksonville, Fla. Shirt board. 2,434,716, Jan. 20.
- Ralph, Sydney J., and G. A. Dummett, Point Pleasant, Wandsworth, London, assignors to The Aluminum Plant & Vessel Company Limited, London, England. Treatment by azeotropic distillation of complex mixtures. 2,450,381, Sept. 28.
- Ralston, Anderson W., M. R. McCorkle, and R. J. Vander Wal, assignors to Armour and Company, Chicago, Ill. Products of the Friedel-Crafts condensation of furane and its derivatives with unsaturated triglycerides. 2,443,269, June 15.
- Ralston, Eldon K.: *See—*
Skelly, James J., and Ralston.
- Ramadanoff, Dimitre, Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical brush for high altitude operation. 2,445,003, July 13.
- Ramadanoff, Dimitre, Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical contact brush. 2,448,685, Sept. 7.
- Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich., as trustee. Production of ethylene dichloride. 2,441,287, May 11.
- Ramberg, Edward G., Feasterville, Pa., assignor to Radio Corporation of America. Electron sensitive color photographic plate. 2,442,961, June 8.
- Ramberg, Edward G., New York, N. Y., assignor to Radio Corporation of America. Correction for spherical and chromatic aberrations in electron lens. 2,444,710, July 6.
- Ramberg, Walter, Chevy Chase, Md. Dynamic strain pickup. 2,435,254, Feb. 3.
- Rambo, Rawdon E., and J. E. Pastoret, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gear housing. 2,438,020, Mar. 16.
- Rambo, Rawdon E., Pittsburgh, and C. F. Jenkins, Laughlinton, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radial commutator assembly. 2,456,993, Dec. 21.
- Rambo, William H., Portland, Oreg. Loading platform. 2,450,634, Oct. 5.
- Rambo, William R., Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of War. Voltage control circuit. 2,437,892, Mar. 16.
- Rambusch Decorating Company, assignee: *See—*
Ferlin, Paul E., and Rambusch.
- Rambusch, Edward: *See—*
Ferlin, Paul E., and Rambusch.
- Ramirez, Ernest A., assignor of fifty per cent to F. M. Ramirez, Grand Rapids, Mich. Rocker swing. 2,439,632, Apr. 13.
- Ramirez, Florence M., assignee: *See—*
Ramirez, Ernest A.
- Ramler, Edward O., North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of p-di(omega-hydroxy-alkoxy) benzenes. 2,456,318, Dec. 14.
- Ramo, Simon, Niskayuna, N. Y., assignor to General Electric Company. Phase modulation system. 2,435,601, Feb. 10.
- Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Pulse receiving system. 2,445,584, July 20.
- Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Means for testing electrical ignition systems of internal-combustion engines. 2,450,164, Sept. 28.
- Ramsay, Martin, Houston, Tex. Radio dial display device. 2,437,306, Mar. 9.
- Ramsbottom, John M., and L. S. Paddock, assignors to Swift & Company, Chicago, Ill. Treating animal tissue. 2,454,716, Nov. 23.
- Rausdell, Sydney N., Tama, Iowa. Rinsing, drying, and canning rack. 2,442,709, June 1.
- Ramsden, Clayton W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio-frequency transformer. 2,452,679, Nov. 2.
- Ramsey Accessories Manufacturing Corporation, assignee: *See—*
Frisby, Frank D.
Frisby, Frank D., and Marlen.
- Ramsey, De Witt, Miami, Fla. Bearing assembly. 2,455,091, Nov. 30.
- Ramsey, De Witt, Miami, Fla. Sliding door mounting. 2,457,491, Dec. 28.
- Ramsey, Justin H., Allendale, N. J. Apparatus for fluid-treating lengthy material. 2,438,374, Mar. 23.
- Ramsey, Vernon E., Suffolk, Va. Closure means for containers. 2,450,811, Oct. 5.
- Ramseyer, Charles F., Old Greenwich, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Apparatus for beneficiating nonmagnetic ores to render them magnetic. 2,441,594, May 18.
- Ramseyer, Charles F., Old Greenwich, Conn., and C. M. Cosman, assignors to H. A. Brassert & Company, New York, N. Y. Preheating furnace blast. 2,446,388, Aug. 3.
- Ramseyer, Charles F., Old Greenwich, and H. A. Brassert, Washington, Conn., assignors to H. A. Brassert & Company, New York, N. Y. Apparatus for reacting finely divided solid material and a gas. 2,455,092, Nov. 30.
- Ranco Incorporated, assignee: *See—*
Raney, Eldon D.
Raney, Estel C.
Rauh, Herbert H.
- Rancourt, Alphonse, assignor to B. C. Dennis, Pittsfield, Mass. Web drier with zigzag runs. 2,435,408, Feb. 3.
- Rancourt, Joseph A. B., Montreal, Quebec, Canada. Power tool. 2,441,288, May 11.
- Rand, Le Roy H., assignor to Rand Rubber Company, Brooklyn, N. Y. Baby pants. Re. 23,040, Sept. 21.
- Rand McNally & Company, assignee: *See—*
Brink, John G.
- Rand Rubber Company, assignee: *See—*
Rand, Le Roy H.
- Rand, Wendell P., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Examining earth substances by means of ultraviolet illumination. 2,435,843, Feb. 10.
- Randall Company, The, assignee: *See—*
Weaver, Maxwell C., and Hall.
- Randall, Cyril E., Bedford, England, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric relay for use with alternating current of variable frequency and voltage. 2,457,724, Dec. 28.
- Randall, Harold O., and J. B. Geers, deceased, Dayton, by J. H. More, administrator, Cincinnati, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,450,165, Sept. 28.
- Randall, Ross D., assignor to Stewart-Warner Corporation, Chicago, Ill. Time-delay switch. 2,438,186, Mar. 23.
- Randol, Glenn T., Muncie, Ind. Preselective power drive control system. 2,434,051, Jan. 6.
- Randol, Glenn T., Detroit, Mich. Power drive control system. 2,434,717, Jan. 20.
- Randolph, Clifford F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Tuck end support. 2,445,308, July 13.
- Randolph, Emmett A., La Grange, Tex. Typewriter page end indicator. 2,448,050, Aug. 31.
- Randolph, Oliver W., Toledo, Ohio. Fruit and vegetable comminutor and drier. 2,446,952, Aug. 10.
- Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,454,086, Nov. 16.
- Rane Tool Company, Inc., assignee: *See—*
Varmee, Ernest H.
- Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Motion transmitting linkage for instruments. 2,434,052, Jan. 6.
- Raney, Estel C., Delaware County, assignor to Ranco Incorporated, Columbus, Ohio. Altimeter. 2,435,289, Feb. 3.
- Raney, Russell R.: *See—*
Crumb, Charles F., Kaupke, Raney, and Smith.
Kaupke, Lee H., and Raney.
- Ranger, Arthur W., Brighton, England. Ink fountain for printing presses. 2,451,634, Oct. 19.
- Ranger, Richard H., United States Army, Newark, N. J. Frequency modulated oscillator control. 2,450,019, Sept. 28.
- Ranzer, Richard H., U. S. Army, Newark, N. J. Frequency control means. 2,452,601, Nov. 2.
- Rank, Richard L., St. Louis, Mo. Clasp. 2,446,389, Aug. 3.
- Rankin, Dan R., Los Angeles, and J. B. Wade, Arcadia, assignors to Food Machinery Corporation, San Jose, Calif. Casting tubular elements. 2,445,364, July 20.
- Ransburg, Edwin M., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,444,144, June 29.
- Ransburg Electro-Coating Corp., assignee: *See—*
Ransburg, Edwin M.
Ransburg, Harold P.
- Ransburg, Harold P., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating method and apparatus. 2,442,986, June 8.
- Ransburg, Harold P., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Apparatus for electrostatically coating articles. 2,446,953, Aug. 10.

- Ranseen, Mauritz C., Minneapolis, Minn. Cap-lifting bottle opener. 2,440,485, Apr. 27.
- Ransley, Charles E., Sudbury, assignor to The General Electric Company, Limited, London, England. Crystal contacts of which one element is silicon. 2,438,944, Apr. 6.
- Ransley, Charles E., Sudbury, and S. V. Williams, Kenton, assignors to The General Electric Company Limited, London, England. Nickel chromium tungsten composite metal body and making same. 2,455,804, Dec. 7.
- Ransome Machinery Company, assignee: *See*—Faber, John P.
- Ransome, Stafford M., assignor to Barber-Colman Company, Rockford, Ill. Hobbing machine. 2,451,447, Oct. 12.
- Ransome, Stafford M., assignor to Barber-Colman Company, Rockford, Ill. Internal thread milling mechanism. 2,454,087, Nov. 16.
- Ransomes & Rapier Limited, assignee: *See*—Cameron, Colin M.
- Ranson, Richard R., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 2,438,647, Mar. 30.
- Rapaport, Gustav H., Kansas City, Mo. Preparing synthetic spice. 2,449,411, Sept. 14.
- Rapean, John C., and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed oxidation processes. 2,451,869, Oct. 19.
- Rapid Specialties Company, assignee: *See*—Wright, Clifton C.
- Rapids-Standard Company, The, assignee: *See*—Sebastian, James R.
Wolf, Cecil, and Foulds, Woodrind, Bert.
- Rapoport, Henry, Berkeley, Calif., assignor to Heyden Chemical Corporation, New York, N. Y. Process for producing chlorohydrins of polyhydric alcohols. 2,441,595, May 18.
- Rapp, George M., New Haven, Conn., assignor to John B. Pierce Foundation, New York, N. Y. Adhesive cements. 2,443,081, June 8.
- Rapp, Harry S., assignee: *See*—Thurn, Harry A.
- Rapp, Howard B., assignee, et al.: *See*—Martin, Charles H.
- Rapp, John, Rapid City, S. Dak. House moving dolly. 2,449,670, Sept. 21.
- Rapp, Mason G., Wilmette, Ill. Registration desk with mail indicating system. 2,454,088, Nov. 16.
- Rapp, Sally, assignee, et al.: *See*—Martin, Charles H.
- Rapp, Wilhelm: *See*—Hopff, Heinrich, and Rapp.
- Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Vacuum operated three-way valve. 2,439,863, Apr. 20.
- Rarick, Morgan J., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-transfer mechanism. 2,434,964, Jan. 27.
- Raskin, Archie, Englewood, N. J., and I. Fox and H. Puls, New York, N. Y. Motion-picture film control device. 2,437,553, Mar. 9.
- Raskin, Walter, New York, N. Y. Heat exchange conduit with a spiral fin having a capillary groove. 2,434,519, Jan. 13.
- Rasmussen, Anton M., Rockford, Ill. Ironer. 2,442,376, June 1.
- Rasmussen, Christian O., Copenhagen, Denmark. Laundry centrifugal. 2,437,651, Mar. 9.
- Rasmussen, Christian O., Copenhagen, Denmark; vested in the Attorney General of the United States. Air-propelled extracting machine for laundry. 2,453,727, Nov. 16.
- Rasmussen, Clarence T.: *See*—Walz, Claude W., Rasmussen, and Griff.
- Rasmussen, Herbert E.: *See*—Hansford, Rowland C., Rasmussen, Myers, and Sachanen.
Hansford, Rowland C., Rasmussen, and Sachanen.
- Rasmussen, Herbert E., and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of alkyl derivatives of thiophene. 2,450,685, Oct. 5.
- Rasmussen, Herbert E., and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of methyl thiophene. 2,450,686, Oct. 5.
- Rasmussen, Herbert E., and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of dimethyl and ethyl thiophenes. 2,450,687, Oct. 5.
- Rasmussen, Minnie V., Los Angeles, Calif. Face and ear shield. 2,435,100, Jan. 27.
- Rasmussen, Olaf, Sidney, Ohio. Safety razor. 2,455,877, Dec. 7.
- Rasmussen, Sophus, assignor to American Gas Machine Company, Albert Lea, Minn. Method and apparatus for removing lead containing ingredients from hydrocarbon fuels. 2,448,235, Aug. 31.
- Raspet, August: *See*—Alkan, Robert, and Raspet.
- Raspet, August, Locust Valley, N. Y. Helical spring. 2,441,166, May 11.
- Raspet, August, Locust Valley, N. Y. Helical spring. 2,441,167, May 11.
- Raspet, August, Locust Valley, N. Y., assignor to Specialties, Inc. Fluid stream direction indicator. 2,445,746, July 20.
- Rassmann, Hugo C., Minneapolis, Minn. Sugar-beet harvester. 2,437,709, Mar. 16.
- Rast, Frederick Q., Chicago, Ill., assignor to Commercial Controls Corporation. Totalizing mechanism. 2,453,342, Nov. 9.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Shell ejecting mechanism for machine guns. 2,436,937, Mar. 2.
- Ratchford, Charles E., Long Beach, Calif. Combination jar wrench and holder. 2,447,770, Aug. 24.
- Ratcliffe, Robert E., Dallas, Tex. Curtain and shade support. 2,452,680, Nov. 2.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Center frequency stabilized frequency modulated oscillator. 2,436,871, Mar. 2.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Variable frequency continuous balance motor control system. 2,440,486, Apr. 27.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Variable frequency continuous balance translation system. 2,441,035, May 4.
- Rath, Karl, New York, N. Y. Multiple light baffle brightness meter for photoelectric exposure determining devices. 2,444,674, July 6.
- Rath, Karl, New York, N. Y. Exposure time control for photographic printing apparatus. 2,444,675, July 6.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Potentiometric amplifier. 2,446,390, Aug. 3.
- Rathbun, Harry R., Glen Ellyn, Ill. Teeth cleaning applicator. 2,439,056, Apr. 6.
- Rathenau, Gerhard, A. A. Kruthof, and J. A. Hartveld, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tuning indicator for indicating resonance of an electric circuit. 2,449,412, Sept. 14.
- Rathke, Harry C.: *See*—Klopfenstein, Jesse D., and Rathke.
- Rathman, Gilbert, Union, N. J. Flexible coupling. 2,453,383, Nov. 9.
- Ratliff, Rudolph E., Los Angeles, Calif. Hair curler. 2,445,924, July 27.
- Rattay, Stephen, New York, N. Y. Gas distributing safety device. 2,438,619, Mar. 30.
- Ratti, Roger, Neu-Allschwil near Basel, and P. Brandt, Basel, assignors to Durand & Huguenin S. A. Basel, Switzerland. Dye stuff preparations containing an acid ester salt of a leuco vat dyestuff, a water-soluble acid amide and a salt of a quaternary amino acid. 2,437,554, Mar. 9.
- Rau, Harry A., Baltimore, Md., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Locking lever feeding means. 2,451,974, Oct. 19.
- Rauch, Alexander, Eatontown, N. J., assignor to United States of America as represented by the Secretary of War. Antenna mounting. 2,445,336, July 20.
- Rauch, Lawrence L., Princeton, N. J., assignor to Research Corporation, New York, N. Y. Multisignal transmission. 2,445,840, July 27.
- Rauch, William T.: *See*—Boynton, Erwin R., and Rauch.
- Rauch, William T., Voorheesville, N. Y., assignor to General Electric Company. Constant pressure pump. 2,453,538, Nov. 9.
- Raudabaugh, Stanley E., East Cleveland, Ohio. Shoe holder. 2,455,805, Dec. 7.
- Rauen, John T., Gross Pointe, Mich. Carburetor. 2,453,728, Nov. 16.
- Rauh, Herbert H., assignor to Ranco Incorporated, Columbus, Ohio. Alarm system for heat exchange devices. 2,457,069, Dec. 21.
- Rauh, Herbert S., New York, N. Y. Spattee. 2,441,373, May 11.
- Rauland Corporation, The, assignee: *See*—Antalek, John J.
Kelley, Leo A.
Szegho, Constantin S.
- Rausenberger, Herman G., Yonkers, N. Y., assignor of one-half to H. Murphy, Glen Ridge, N. J. Apparatus for supplying liquid fuel and air to variable-speed internal-combustion engines. 2,433,958, Jan. 6.
- Rausenberger, Lawrence E., assignor to The Steel Products Engineering Company, Springfield, Ohio. Drive unit. 2,436,669, Feb. 24.
- Ravella, Jean A., deceased, by V. Auda, executrix, Lyon, assignor to Société à responsabilité limitée "Mermet & Virthner," Villeurbanne (Rhône), France. Automatic striking tool. 2,455,270, Nov. 30.
- Ravndal, Margaret H., assignee, et al.: *See*—Hill, Irving, and Nelson.
- Rawlins Manufacturing Company, assignee: *See*—Latina, Harry B.
- Rawlins, Albert L.: *See*—Jones, Eldon M., Rawlins, Burckhalter, and Holcomb.
- Rawlins, Albert L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. N-propyl diaminodiphenylsulfone and obtaining same. 2,454,835, Nov. 30.

- Rawlins, Herbert L.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.
- Rawlins, Herbert L., Edgewood, and J. M. Wallace, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. Re. 23,033, Aug. 31.
- Rawlins, Herbert L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,435,844, Feb. 10.
- Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Hot-water tank. 2,435,981, Feb. 17.
- Rawson, Emanuel, assignor to Rite-Way Products Company, Chicago, Ill. Stall cock. 2,451,456, Oct. 12.
- Ray, Clinton D., Mesa, Ariz. Fruit picker. 2,450,812, Oct. 5.
- Ray, Don, Beverly Hills, Calif. Apparatus for compacting and packaging materials. 2,454,477, Nov. 23.
- Ray, Earl C.: *See*—
Pine, Paul R., and Ray.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rotary cutter-head. 2,439,486, Apr. 13.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun ammunition magazine. 2,447,092, Aug. 17.
- Ray, Frederick A., Reseda, Calif. Offset bit shank. 2,448,276, Aug. 31.
- Ray, Frederick E.: *See*—
Evans, Louis P., Hornberg, and Ray.
Simpson, Thomas P., Lee, and Ray.
- Ray, James G., assignor to Southwest Airways Company, West Los Angeles, Calif. Aircraft door. 2,453,937, Nov. 16.
- Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine construction. 2,442,019, May 25.
- Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine mounting. 2,443,747, June 22.
- Ray, Robert H., Co., assignee: *See*—
Pollard, Jack C., and Sellers.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Electromagnetic operator. 2,437,893, Mar. 16.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Fuel pressure ignition control for burner systems. 2,437,894, Mar. 16.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Thermocouple for pilot burners. 2,438,575, Mar. 30.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Thermopile for furnace control. 2,441,672, May 18.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Thermostatic safety control for fuel burners. 2,446,718, Aug. 10.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Burner control system. 2,456,147, Dec. 14.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Control circuit. 2,434,433, Jan. 13.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,442,877, June 8.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Thermoelectric generator. 2,443,641, June 22.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,447,207, Aug. 17.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Hydraulic control system for airplanes. 2,455,948, Dec. 14.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Fluid control valve. 2,456,084, Dec. 14.
- Ray, William A., North Hollywood, assignor to General Controls Co. Glendale, Calif. Photoelectric regulating and safety burner control system. 2,442,145, May 25.
- Ray, William A., North Hollywood, assignor to General Controls Co. Glendale, Calif. Electric circuit for electromagnets. 2,446,719, Aug. 10.
- Ray, William A., North Hollywood, Calif. Safety cutoff system for fuel burners. 2,447,668, Aug. 24.
- Raybestos-Manhattan, Inc.: *See*—
Kuznick, Joseph N., and Bell.
- Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,457,492, Dec. 28.
- Raybourn, Claude D., Denver, Colo. Nail driving attachment for pneumatic hammers. 2,449,860, Sept. 21.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for cutting material. 2,436,179, Feb. 17.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Corrosion resistant filter. 2,440,487, Apr. 27.
- Rayburn, Vincent A., and D. C. Robson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyor. 2,451,975, Oct. 19.
- Raykoff, Philip C., assignee: *See*—
Witlin, Isadore B.
- Raylite Electric Corp., assignee: *See*—
Abramson, Abraham.
Barnett, Louis.
- Raymond, Albert L.: *See*—
Crosley, Raymond W., and R.
- Raymond, Aloise F.: *See*—
Dobie, Edward J., and Raymond.
- Raymond Bag Company, The, assignee: *See*—
Peters, Harry, and Pierson.
- Raymond Concrete Pile Company, assignee: *See*—
Upson, Maxwell M., and Watt.
- Raymond De-Icer Co., Inc., assignee: *See*—
Raymond, Horace H.
- Raymond, Horace H., Berlin, Conn., assignor, by mesne assignments, to Raymond De-Icer Co., Inc., Los Angeles, Calif. Apparatus for preventing the formation of ice on windshields. 2,447,430, Aug. 17.
- Raymond, Richard C., State College, Pa., assignor to the United States of America as represented by the Secretary of War. Cathode-ray tube. 2,454,204, Nov. 16.
- Raymond, Thomas E., assignor to Simplex Engineering Company, Zanesville, Ohio. Hydraulic apparatus. 2,455,271, Nov. 30.
- Rayner, Philip D., New York, N. Y. Foot pad. 2,454,836, Nov. 30.
- Raynor Manufacturing Company, assignee: *See*—
Norberg, William A.
- Rayon, Andrew, Sulphur, La. Shoe shank grooving machine. 2,449,321, Sept. 14.
- Rayonier Incorporated, assignee: *See*—
Schlosser, Paul H., and Gray.
- Ray-O-Vac Company, assignee: *See*—
Schmelzer, Rupert J.
- Raytheon Manufacturing Company, assignee: *See*—
Anderson, Homer G.
Brown, William C.
Clark, Richard U.
Dawson, John W.
Dawson, John W., and Klemperer.
Derby, Palmer P.
Derby, Palmer P., and Robertson.
England, John H.
Gorn, Elmer J.
Gross, Thomas A. O.
Jansen, Louis T.
Kather, Erich N.
Klemperer, Hans.
Krim, Norman B.
Le Van, James D.
Marshall, Laurence K.
Odessey, Paul H.
Reed, William B.
Runkle, Lloyd D.
Schmidt, Robert C.
Short, Arthur F.
Smith, Charles G.
Spencer, Percy L.
Stutsman, Paul W.
Williams, Louis A.
Wood, Ross.
Young, Kenneth A.
- Razdowitz, Adolph: *See*—
Chneerson, Zalman and Razdowitz.
- Rea, Wilton T.: *See*—
Bascom, Henry M., Massonneau, Ostendorf, and Rea.
- Rea, Wilton T., Manhasset, and J. R. Wilkerson, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative repeater. 2,454,089, Nov. 16.
- Reach, Milton B., Springfield, Mass. Construction of fields for playing golf. 2,455,806, Dec. 7.
- Reach, Milton B., Springfield, Mass. Golf club. 2,457,177, Dec. 28.
- Read, Chester L., and A. H. Gleason, Westfield, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Bituminous bonding composition. 2,436,599, Feb. 24.
- Read, Davis, Jr., La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,434,434, Jan. 13.
- Read, Davis, Jr., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion process. 2,435,158, Jan. 27.
- Read, Davis, Jr., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Stripping of spent catalyst in hydrocarbon conversion processes. 2,456,148, Dec. 14.
- Read, Henry R., Queens Village, N. Y. Safety wrist watch strap. 2,456,319, Dec. 14.
- Read, Worth G., St. Paul, Minn. Punch sheet records. 2,455,384, Dec. 7.
- Reading Air Chutes, Inc., assignee: *See*—
Crowther, Cecil R., and Brown.
- Reading, George R., and R. E. Vinyard, Phillips, Tex., assignors to Phillips Petroleum Company. Recovery of hydrogen fluoride by distillation with an olefin. 2,448,620, Sept. 7.
- Reading, Walter J., Buffalo, N. Y. Egg washer. 2,454,090, Nov. 16.
- Reagan, Maurice E., Pittsburgh, and W. A. Derr, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,451,976, Oct. 19.
- Reager, William F., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Annealed shell. 2,448,496, Aug. 31.
- Reagin, James H., Pittsburgh, Pa. Brine tank. 2,442,146, May 25.

- Reamer, Thomas E., Albany, assignor to Shell Development Company, San Francisco, Calif. Chlorinated paraffin wax amines for controlling fungi and bacteria. 2,448,910, Sept. 7.
- Reaney, Maurice L., Vancouver, Wash. Photographic exposure frame. 2,436,180, Feb. 17.
- Reardon, Eugene J., Mount Lebanon, Pa., assignor to The American Steel and Wire Company of New Jersey. Wire rope and manufacturing the same. 2,445,365, July 20.
- Reardon, Joseph D., and G. E. Guellich, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Cemented optical element having light absorbing coating. 2,437,126, Mar. 2.
- Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine core surface treatment. 2,453,539, Nov. 9.
- Rearick, Charles B., Flushing, N. Y. Glare reducing device. 2,445,153, July 13.
- Reaser, Wilbur W., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft heating and deicing system. 2,448,826, Sept. 7.
- Reasor, Harold E., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for securing together marginal portions of shoes. 2,446,843, Aug. 3.
- Reavis, Charles N., deceased; C. L. Reavis administratrix, assignor of two-thirds to S. B. Coley. Float-operated switch. 2,439,753, Apr. 13.
- Reavis, Charlotte L., administratrix: *See—* Reavis, Charles N.
- Rehman, Alfred, Richmond Hill, assignor to Rockwood & Co., Brooklyn, N. Y. Flexible multibladed rotor assembly for cylinder grinding machines. 2,454,406, Nov. 23.
- Rebo, Noreen C., Gorin, Mo. Manicure apparatus. 2,456,022, Dec. 14.
- Rebus, Carl, Edmonton, Alberta, Canada. Advertising display stand in the form of a globe. 2,434,250, Jan. 13.
- Rechain, Eugène, Neuilly-sur-Seine, assignor to Société Nationale de Constructions Aéronautiques Du Nord, Paris, France. Appliance for the access into streamline-shaped vehicles. 2,446,434, Aug.
- Rechton, George D., Los Angeles, D. J. Ward, Sherman Oaks, and J. H. Watson, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Machine for forming materials. 2,444,787, July 6.
- Rechton, George D., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Hollow rivet for pressural upsetting, method of upsetting, and resulting joint. 2,451,356, Oct. 12.
- Rechton, George D., Los Angeles, D. J. Ward, Sherman Oaks, and J. H. Watson, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Forming material. 2,455,702, Dec. 7.
- Recker, Gerald J., Hopkinton, Iowa. Wagon-box conveyer. 2,434,718, Jan. 20.
- Recker, Gerald J., Hopkinton, Iowa. Farm wagon unloading device. 2,448,122, Aug. 31.
- Recker, Kenneth H., Winter Haven, Fla. Distribution apparatus for fluid coating. 2,442,616, June 1.
- Recklitz, Charles E., Mahanoy City, Pa. Adjustable sash holder. 2,442,147, May 25.
- Reconstruction Finance Corporation, assignee: *See—* Castle, James B.
Faust, Charles L.
Hotchkiss, Arch, Jr., and Haynes.
Mahoney, Charles H., Lee, Tarr, and Le Grand.
McArthur, Warren.
Peremi, Edmund and Toth.
Pray, Henry A., Faust, and Jelen.
Seelig, Richard P.
Smith, Richard S.
Tandler, William S., and Walker.
- Records, Elmer H., Tacoma, Wash. Converting petroleum crudes. 2,437,439, Mar. 9.
- Rector, Paul C., East Cleveland, Ohio, assignor to General Electric Company. Motor and fan unit mounting for vacuum cleaners. 2,454,569, Nov. 23.
- Rector, Paul C., East Cleveland, Ohio, assignor to General Electric Company. Motor and fan unit mounting for vacuum cleaners. 2,454,570, Nov. 23.
- Red Ball Manufacturing Company, assignee: *See—* Kimberlin, Carna M.
- Redcay, Aaron K.: *See—* Nicholson, Edward W. S., and Redcay.
- Reddick, Rupert R., Oakland, Calif. Welding rod holder. 2,437,652, Mar. 9.
- Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Superacoustic compressor. 2,435,236, Feb. 3.
- Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressor. 2,446,552, Aug. 10.
- Redding, Herbert C.: *See—* Briggs, Earl, and Redding.
- Redding Manufacturing Company, Inc., assignee: *See—* Ryan, Albert O.
- Redell, Frederick C.: *See—* McCahey, Theodore D., and Redell.
- Reder, Emil E., Jr., Chicago, Ill. Sectional match plate. 2,448,827, Sept. 7.
- Redfern, Donald V., assignor to Adhesive Products Company, Seattle, Wash. Soya meal-sewage sludge adhesive. 2,446,954, Aug. 10.
- Redfern, Donald V., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash. Art of making phenol-aldehyde reaction products and the product thereof. 2,457,493, Dec. 28.
- Redfield, Robert E.: *See—* Skinner, Emory M., Redfield, and Bolinger.
- Redhead, Melvin W., Los Angeles, Calif., assignor to Vacuum Concentrator Inc. Vertical current pneumatic separator. 2,446,786, Aug. 10.
- Redington, F. B., Co., assignee: *See—* Malhiot, Clarence J.
- Redman, Frank R., Yardley, Pa. Method and apparatus for finishing and shrinking textile fabrics. 2,440,209, Apr. 20.
- Redmon, Bryan C.: *See—* Nagy, Daniel E., and Redmon.
- Redmon, Bryan C., and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of substituted cyanoguanidine. 2,455,807, Dec. 7.
- Redmond Company, Inc., assignee: *See—* Schirmer, Cyrus T., and Knobel.
- Redmond, Harriet L., Boston, assignor to The William Carter Company, Needham Heights, Mass. Pant type garment. 2,435,945, Feb. 10.
- Redmond, John F., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Determining the fluid contents of underground formation samples. 2,445,494, July 20.
- Redmond, Rollen, Arlington, Mass. Fastener for storm windows and the like. 2,449,750, Sept. 21.
- Redpath, Mathew V., near Columbiana, Ohio. Electric fence insulator. 2,437,613, Mar. 9.
- Red Spot Paint & Varnish Company, Inc., assignee: *See—* Bourland, Harry B.
- Redward, Dorothy B., and C. J. Peterson, Seattle, Wash. Hair curler. 2,450,560, Oct. 5.
- Reece Corporation, The, assignee: *See—* Pikul, Joseph H.
Putnam, John P.
- Reece Folding Machine Company, assignee: *See—* Gilbert, Alfred G., and Rogers, Jr.
- Reece, Ralph P.: *See—* Kamlet, Jonas, and Reece.
- Reed, Carl S.: *See—* Schutte, August H., and Reed.
- Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Producing colloidal fuel. 2,453,641, Nov. 9.
- Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Heater for hydrocarbon fluids. 2,454,943, Nov. 30.
- Reed, Carl S., New York, and A. H. Schutte, Tuckahoe, assignors to The Lummus Company, New York, N. Y. Apparatus for catalytic conversion of hydrocarbon vapors. 2,448,549, Sept. 7.
- Reed, Carl S., New York, and A. H. Schutte, Hastings on Hudson, assignors to The Lummus Company, New York, N. Y. Heat recovery system for catalytic conversion processes. 2,448,550, Sept. 7.
- Reed, Carl S., New York, A. H. Schutte, Hastings-on-Hudson, and V. O. Bowles, Dobbs Ferry, assignors to The Lummus Company, New York, N. Y. Catalyst transfer system. 2,453,458, Nov. 9.
- Reed, Charles H., Fort Stanton, N. Mex. Self-locking electric outlet and plug. 2,447,597, Aug. 24.
- Reed, Cortes F., Anoka, assignor to Federal Cartridge Corporation, Minneapolis, Minn. Apparatus for stripping pods from milkweed plants. 2,450,917, Oct. 12.
- Reed, Edgar G.: *See—* Johnson, Theodore M., and Reed.
- Reed, Exa G., assignor to Wingfoot Corporation, Akron, Ohio. Producing shoe uppers by heat-shrinking to forms. 2,435,797, Feb. 10.
- Reed, Forrest D., St. Paul, Ind. Releasable airplane cabin. 2,446,609, Aug. 10.
- Reed, George F., and W. H. Gould, Johannesburg, Transvaal Union of South Africa. Safety retaining device for pivotal joints. 2,456,793, Dec. 21.
- Reed, Jesse C., Dayton, Ohio. Liquid elevating apparatus. 2,438,298, Mar. 23.
- Reed, Merrill R., Kansas City, Kans. Bubble cap structure for fractionating towers. 2,445,083, July 13.
- Reed, Norman B., assignor to Surgical Products, Inc., Lowell, Mass. Elastic garment. 2,441,443, May 11.
- Reed, Raymond E., St. Paul, Minn., and J. F. Ryan, Walpole, assignors to The Kendall Company, Boston, Mass. Textile fabrics. 2,444,115, July 6.
- Reed, Richard D.: *See—* Baker, Robert M., Monroe, and Reed.
- Reed, Robert H., Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Blade mounting. 2,445,154, July 13.
- Reed, Robert S., Three Rivers, Mich. Concrete block molding machine. 2,446,061, July 27.
- Reed, Stephen A., Duxbury, assignor to Plymouth Cordage Company, North Plymouth, Mass. Rope. 2,438,864, Mar. 30.
- Reed, Thomas F.: *See—* Rendell, George H., and Reed.
- Reed, Walter R., Oildale, C. O. Kersey, Bakersfield, and P. D. Warkentine, Reedley, Calif. Vineyard plow. 2,442,095, May 25.

- Reed, William B., Westwood, assignor to Raytheon Manufacturing Company, Newton, Mass. Grid structure. 2,452,069, Oct. 26.
- Reeh, Glenn J., Fond du Lac, Wis. Garden hose nozzle support. 2,442,904, June 8.
- Reek, Ashley J.: *See—*
Miller, William J., and Reek.
- Rees, Gladys and J., Chicago, Ill. Article holding device. 2,456,445, Dec. 14.
- Rees, Gregory L., Hinsdale, Ill., assignor to Hotpoint Inc. Push button switch. 2,437,555, Mar. 9.
- Rees, Harold: *See—*
Baker, William B., and Rees.
- Rees, Janet: *See—*
Rees, Gladys and J.
- Rees, William J., Trenton, Mich., assignor to National Steel Corporation. Method and mold for casting blast-furnace salamanders. 2,450,989, Oct. 12.
- Reese, Jay R., Hamburg, Iowa. Knife sharpener. 2,438,681, Mar. 30.
- Reese, John D., Philadelphia, Pa. Skin graft transfer member. 2,442,433, June 1.
- Reese, John D., Philadelphia, Pa. Dermatome. 2,442,434, June 1.
- Reese, John D., Philadelphia, Pa. Cutting a skin graft. 2,442,435, June 1.
- Reese, John D., Philadelphia, Pa. Dermatome. 2,442,436, June 1.
- Reese, John E.: *See—*
Lorand, Eugene J., and Reese.
- Reese, Lewis P.: *See—*
Miller, William J., Reese, and Croninger.
- Reese, Lewis P., Scio, Ohio. Making pottery molds. 2,447,593, Aug. 24.
- Reese, Michael, Research Foundation, assignee: *See—*
Levinson, Sidney O., and Oppenheimer.
- Reetz, Herman H., Dickinson, N. Dak. Pilot guide device. 2,446,787, Aug. 10.
- Reeve, Thomas D., London, England. Apparatus for laundering clothes and the like. 2,442,277, May 25.
- Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Ice cube tray and grid. 2,444,789, July 6.
- Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Production and concentration of butadiene. 2,436,600, Feb. 24.
- Reeves-Ely Laboratories, Inc., assignee: *See—*
Frondel, Clifford.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Time controlled valve operating mechanism. 2,435,324, Feb. 3.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cabinet type cooking stove. 2,445,124, July 13.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Combined closure and receptacle for gas ranges. 2,446,391, Aug. 3.
- Reeves Hoffman Corporation, assignee: *See—*
Samuelson, Wallace H. E.
- Reeves Laboratories, Inc., assignee: *See—*
Berman, Harry.
- Refining Unincorporated, assignee: *See—*
Clayton, Benjamin.
- Refrigeration Patents Corporation, assignee: *See—*
Bronaugh, Lewis J., and Potter.
- Regad, Eugene D., and A. T. Anderson, Dover, N. J. Primer. 2,436,826, Mar. 2.
- Regan, John J.: *See—*
Larkin, Leo J., Regan, and Larkin.
- Regan, Maynard T., Lansing, Mich. Towing hitch. 2,451,119, Oct. 12.
- Regele, Charles A., Manheim Township, Lancaster County, Pa. Bag holder. 2,442,377, June 1.
- Regents of the University of Minnesota, assignee: *See—*
Crawford, Bryce L., Jr.
Gisvold, Ole.
Smith, Lee I.
- Reger, Raymond, assignor to Pierce Governor Company, Anderson, Ind. Velocity governor. 2,452,208, Oct. 26.
- Reger, Raymond, assignor to The Pierce Governor Company, Inc., Anderson, Ind. Governor-throttle connection. 2,452,393, Oct. 26.
- Reggio, Ferdinando C., Norwalk, Conn. Fuel metering device. 2,435,902, Feb. 10.
- Rehard, Lerhard A., Kansas City, Mo. Rapid electric fluid heater. 2,438,865, Mar. 30.
- Rehberg, Chessie E.: *See—*
Mast, William C., Rehberg, and Fisher.
- Rehberg, Chessie E., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Cellulose ester or ether plasticized with ethyl alpha-carbethoxyethoxyethyl carbonate. 2,453,264, Nov. 9.
- Rehberg, Chessie E., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Making furfuryl acrylate. 2,433,866, Jan. 6.
- Rehberg, Chessie E., Glenside, W. C. Mast, Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Plasticized ethyl cellulose composition. 2,445,084, July 13.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Plasticized composition containing a cellulose ether and a polyacrylic acid ester. 2,445,085, July 13.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Acrylic esters of secondary alcohols. 2,445,925, July 27.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Cellulose ether plasticized with bis(allyl lactate) maleate. 2,452,209, Oct. 26.
- Rehberg, Chessie E., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymerization of furfuryl acrylate. 2,454,756, Nov. 23.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Acrylic esters of olefinic alcohols and polymers thereof and making them. 2,456,647, Dec. 21.
- Rehberg, Richard A.: *See—*
May, Frederick T., and Rehberg.
- Rehberger, Edward A., South Orange, N. J. Heavy-duty trailer. 2,452,681, Nov. 2.
- Rehfeld, George W., Manhattan, Kans. Jetty. 2,437,754, Mar. 16.
- Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,435,055, Jan. 27.
- Reibel, Sidney, Huntington Woods, Mich. System for conveying chips or other loose material. 2,434,435, Jan. 13.
- Reiber, Albert H., deceased, by E. Y. Reiber, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Recorder. 2,436,229, Feb. 17.
- Reiber, Albert H., deceased, by E. Y. Reiber, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Recorder having suppression of spacing control of printing without suppression of similar control for punching. 2,436,230, Feb. 17.
- Reiber, Albert H., deceased, by E. Y. Reiber, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Mechanical deciphering system. 2,449,789, Sept. 21.
- Reiber, Emily Y., executrix: *See—*
Reiber, Albert H.
- Reiber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Pressure meter. 2,455,021, Nov. 30.
- Reibig, Eric A.: *See—*
Wiken, Christy A., and Reibig.
- Reich, Gustave T., Philadelphia, Pa. Production of carbon. 2,448,051, Aug. 31.
- Reich, Henry M., Pittsburgh, Pa. Internal-combustion engine heater. 2,435,101, Jan. 27.
- Reich, Joseph, assignee: *See—*
Laidig, Alfred H.
- Reich, Philip J., Bridgeport, Conn., assignor to General Electric Company. Pulse communication. 2,437,970, Mar. 16.
- Reichard, William C., Stanhope, N. J. Test probe. 2,438,350, Mar. 23.
- Reichel, Wladimir A., Hackensack, N. J., assignor, by mesne assignments, to Kearfott Company, Inc., New York, N. Y. Sealed transmitting mechanism. 2,454,340, Nov. 23.
- Reichenbach, Albert T., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Steel strip tempering. 2,444,788, July 8.
- Reichert, Carl E.: *See—*
Kemmer, Paul H., Reichert, and Butt.
- Reichhold Chemicals, Inc., assignee: *See—*
Hewett, Philip S.
- Reichinstein, David, Zurich, assignor to Fanal Licht A.-G., Lucerne, Switzerland. Transformer and connection for starting arc lamps. 2,457,494, Dec. 28.
- Reichman, Alexander, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind. Dump body control mechanism. 2,440,559, Apr. 27.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Handle for coffee makers. 2,434,122, Jan. 6.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Steam generator. 2,435,325, Feb. 3.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Seal breaker for coffee makers. 2,449,619, Sept. 21.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Filtering device for coffee makers. 2,449,620, Sept. 21.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Ironing board having steam generating means. 2,450,092, Sept. 28.
- Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Filtering device. 2,454,205, Nov. 16.

- Reichstein, Tadeus, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Manufacture of saturated and unsaturated compounds of the etio-cholanic acid series and substitution products thereof. 2,435,017, Jan. 27.
- Reichstein, Tadeus, Basel, Switzerland. Compounds of the adrenal cortical hormone series and making same. 2,440,874, May 4.
- Reid, Allen F., New York, N. Y. Isotope separation process. 2,435,796, Feb. 10.
- Reid, Allen F., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Geiger counter improvement. 2,442,314, May 25.
- Reid-Avery Company, The, assignee: *See*—
Sawhill, James M., and Skinner.
- Reid Brothers Company, Inc., assignee: *See*—
Woodbury, Stephen E.
- Reid, Chester L.: *See*—
Reid, Ralph W. and C. L.
- Reid, Ebenezer E.: *See*—
Francis, Albert W., and Reid.
Meadow, Jacob R., and Reid.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle body. 2,443,478, June 15.
- Reid, James S., Cleveland Heights, Ohio, assignor to The Standard Products Company, Detroit, Mich. Cartridge belt. 2,453,540, Nov. 9.
- Reid, John D., and G. C. Daul, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Making cotton textiles water-absorbent and rot-resistant. 2,448,153, Aug. 31.
- Reid, John O., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Stopper press die. 2,448,911, Sept. 7.
- Reid, Ralph W. and C. L., assignors to J. R. Brant, Indianapolis, Ind. Electric motor powered wheel drive and control for tool carriages. 2,456,444, Dec. 14.
- Reid, Robert J.: *See*—
Rowland, George P., Jr., and Reid.
- Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,438,876, Mar. 30.
- Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,441,331, May 11.
- Reiff, Orland M., Woodbury, H. D. Hartough, Pitman, and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricant. 2,443,082, June 8.
- Reiff, Orland M., Woodbury, H. D. Hartough, Pitman, and H. J. Andress, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricant. 2,443,083, June 8.
- Reiffschneider, Paul J., Springfield, Pa., assignor to General Electric Company. Shockproof electromagnet with armature. 2,451,239, Oct. 12.
- Reihman, Earl F.: *See*—
Brunthil, Irwin M., and Reihman.
- Reik, Richard, Piedmont, Calif. Process for recovering magnesium from magnesia-containing materials. 2,450,057, Sept. 28.
- Reilly, Alfred F., North Attleboro, Mass. Flint. 2,444,849, July 6.
- Reilly, Frank J., Daytona Beach, Fla., assignor of one-third to C. J. Loftus, Chicago, Ill. Precooling the lading of refrigerator cars comprising the reversal of air flow. 2,439,487, Apr. 13.
- Reilly, Hugh L., F. H. Scrimshaw, and A. G. Bone, Farnborough, assignors to Henry Hughes and Son Limited, Barking, England. Navigational instrument. 2,454,007, Nov. 16.
- Reilly, Jack E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor reversing control. 2,454,206, Nov. 16.
- Reilly, Jack E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor reversing control. 2,454,207, Nov. 16.
- Reilly, Mason J., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Retainer strip. 2,453,343, Nov. 9.
- Reilly Tar & Chemical Corporation, assignee: *See*—
Cislak, Francis E., and Wheeler.
- Reilly, William I., assignor to Cavalier Corporation, Chattanooga, Tenn. Bottle release mechanism. 2,441,289, May 11.
- Reimer, Harold D.: *See*—
Hannewald, Burton A., and Reimer.
- Reimsnider, William: *See*—
Robey, Lee E.
- Reinecke, Edward A.: *See*—
Dunlop, Andrew A.
Dunlop, Andrew P., and Reinecke.
- Reineke, Ezra P.: *See*—
Turner, Charles W., and Reineke.
- Reinhardt, Gustav A., Shaker Heights, Ohio. Rotary brush type converter. 2,434,520, Jan. 13.
- Reinhardt, Albrecht E., Flourtown, assignor to Derbyshire Machine & Tool Company, Philadelphia, Pa. Eductor. 2,444,615, July 6.
- Reinhardt, Otto K., and T. F. Fallon, New Haven, Conn., assignors to Olin Industries, Inc. Leakproof dry cell. 2,450,813, Oct. 5.
- Reinhardt, Robert C., assignor to The Dow Chemical Company, Midland, Mich. Polymerizing. 2,445,970, July 27.
- Reinhart, Frederick J., Ludlow, Ky. Automatic filter apparatus. 2,439,633, Apr. 13.
- Reinhold, Frank W., Beverly, and J. J. Maciejowski, Ipswich, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Training mechanisms for firearms. 2,452,147, Oct. 26.
- Reinhold, Leonard F., Staten Island, N. Y., and J. A. Spencer, Teaneck, N. J., assignors to Radio Corporation of America. Indicator control mechanism. 2,440,118, Apr. 20.
- Reinhold, Oscar A., Flossmoor, Ill. Controlling means for adjustable back chairs. 2,443,400, June 15.
- Reinsberg, Adolph, Chicago, Ill. Blocking hats. 2,441,332, May 11.
- Reinsberg, Adolph, Chicago, Ill. Display device formed of sheet material curved to give a facial appearance. 2,441,333, May 11.
- Reis, Joseph J., Jr., Baltimore, Md., assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Brush embodying synthetic bristles. 2,443,055, June 8.
- Reisenweber, William F., Newark, S. Dak. Combine harvester and straw buncher. 2,448,737, Sept. 7.
- Reiser, Alfred A., assignor to H. & A. Manufacturing Co., Inc., Buffalo, N. Y. Electric clamp-on heater. 2,445,185, July 13.
- Reising, Eugene G., Hartford, Conn. Sear and bolt mechanism for single-shot firearms. 2,435,184, Jan. 27.
- Reisner, John H., Haddonfield, and R. G. Picard, Collingswood, N. J., assignors to Radio Corporation of America. Making electron diffraction patterns of fusible specimens. 2,444,368, June 29.
- Reiss, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Objective of low index glass with negative components of high curvature. 2,455,808, Dec. 7.
- Reiter, David, Woodside, Long Island, N. Y. Matrix retainer. 2,453,541, Nov. 9.
- Reitsma, Henry, Hackensack, assignor of one-half to J. G. Hunter, Ridgewood, N. J. Grip measuring ball for bowlers. 2,453,038, Nov. 2.
- Reitter, George E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanism for adjusting the amount of travel of riders on lead screws. 2,441,596, May 18.
- Reliable Electric Company, assignee: *See*—
Cook, John B.
- Reliable Spring & Wire Forms Company, The, assignee: *See*—
Kubin, Andrew and C., and Brondos.
- Reliance Molded Plastics, Inc., assignee: *See*—
Newman, Irving I.
- Relis, Walter, Lomita, Calif. Infant's formula can and can-opener and nipple attachment. 2,438,299, Mar. 23.
- Relson, Morris: *See*—
Hansen, William W., Woodyard, and Relson.
- Rembert, Ernest W., Hinsdale, Ill., assignor to John-Manville Corporation, New York, N. Y. Coupling pipe. 2,451,046, Oct. 12.
- Remco Electronic, Inc., assignee: *See*—
Neustadt, Herbert M.
Schmidt, Ernest H., Jr.
Shepard, Francis H., Jr.
Stromeyer, Charles F.
- Remensnyder, John P., Metuchen, N. J., P. I. Bowman, Syracuse, N. Y., and R. H. Barth, Ridgewood, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Manufacture of polypentaerythritols. 2,441,597, May 18.
- Remensnyder, John P., Metuchen, N. J., P. I. Bowman, Syracuse, N. Y., and R. H. Barth, Ridgewood, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Production of polypentaerythritols. 2,441,944, May 18.
- Remington Arms Company, Inc., assignee: *See*—
Barnes, Charles H.
Catlin, John P., Eckstein, and Vordahl.
Darby, Paul F., and Nevala.
Du Pont, Francis G.
Flanagan, Robert M.
Goin, Floyd I.
Grebowiec, Michael J.
Johnson, Theodore B.
Loomis, Crawford C., and Lowe.
Messinger, Lester H.
Reynolds, Warren S.
Schilling, Albert A., and Finlay.
Slater, Raymond E.
Wilson, Ellsworth M.
- Remington, Ralph E., administrator: *See*—
Tomlin, John R.
- Remington Rand, Inc., assignee: *See*—
Riggs, Robert W.
Schutt, Friedrich J.
- Remler, Raymond F.: *See*—
Greger, Herbert H., and Remler.
- Remy, Walter W., Angola, Ind. Reflector drift indicator apparatus for boats and aircraft. 2,452,682, Nov. 2.
- Rendel, George H., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Extensometer for indicating percent elongation. 2,447,208, Aug. 17.

- Rendel, George H., and T. F. Reed, Mount Lebanon, Pa., assignors of one-half to Carnegie-Illinois Steel Corporation, and one-half to United States Steel Corporation of Delaware. Extensometer for indicating amount of elongation of strip material. 2,447,209, Aug. 17.
- Rendle, Theodore: *See—*
Willets, Arthur K., and Rendle.
- Reney, Jules F., Victoria, British Columbia, Canada. Automatic fireguard for motion-picture projectors. 2,449,716, Sept. 21.
- Renfrew, Edgar E., Jr., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Carbalkoxy aminoanthraquinone sulfonamides. 2,453,100, Nov. 2.
- Renfrew, Malcolm M.: *See—*
Fletcher, David A., and Renfrew.
- Renfrew, Malcolm M., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photopolymerization. 2,448,828, Sept. 7.
- Renfro, Joseph C., Jacksonville, Fla. Plate lifting clamp. 2,446,610, Aug. 10.
- Renfro, Joseph C., Jacksonville, Fla. Spindle adapter. 2,457,273, Dec. 28.
- Renick, Wendell E., assignor to The Denison Engineering Company, Columbus, Ohio. Axial piston pump. 2,440,875, May 4.
- Renier, William S., Milwaukee, Wis. Apparatus for forming and preheating slugs of moldable material. 2,448,277, Aug. 31.
- Renim, Inc., assignee: *See—*
Miner, Frederick M., Jr.
- Renken, Harm L., assignor of one-fourth to K. Stringfield, Pleasant Plains, Ill. Automatic windrower for balers. 2,453,384, Nov. 9.
- Renner, Harold G., Detroit, Mich. Low-pressure tire signal. 2,438,413, Mar. 23.
- Renner, William M., assignor to Mackie-Lovejoy Manufacturing Company, Chicago, Ill. Shoe tree. 2,449,861, Sept. 21.
- Rennie, Robert J., Flushing, N. Y. Overhead railway. 2,439,986, Apr. 20.
- Renniks Company, assignee: *See—*
Kasten, Walter.
- Renouprez, Albert: *See—*
Lahousse, Joseph E. G., and Renouprez.
- Renshaw, David E.: *See—*
McShane, Phelan, and Renshaw.
- Renshaw, David E., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,451,977, Oct. 19.
- Renshaw, David E., Forest Hills, and H. C. Krapf, Wilkingsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for vehicles with multiple current source. 2,434,585, Jan. 13.
- Renshaw, Lewis H., Washington, D. C. Elevatable stove oven. 2,447,364, Aug. 17.
- Rentos, Costas G., Brooklyn, N. Y. Cigarette package container and support. 2,444,369, June 29.
- Rentschler, Harvey C., East Orange, W. C. Lilliendahl, Mountain Lakes, and J. E. Gray, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of thorium. 2,446,062, July 27.
- Renz, Emil K., Dedham, assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Multipocketed billfold having interlocked end and edge flaps. 2,439,579, Apr. 13.
- Renz, Emil K., Dedham, assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Stitchless billfold with interlocked pocket forming flaps. 2,439,580, Apr. 13.
- Renzoni, Louis S., Port Colborne, Ontario, Canada, assignor to International Nickel Company, Inc., New York, N. Y. Corrosion resistant steel and equipment. 2,448,462, Aug. 31.
- Renzoni, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Producing modified electronickel. 2,453,757, Nov. 16.
- Repas, George E. and J. E., Hopedale, Mass. Cross laying. 2,434,887, Jan. 20.
- Repas, James E.: *See—*
Repas, George E. and J. E.
- Repka, Paul T., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch operating mechanism. 2,454,341, Nov. 23.
- Repke, Edward P., Coloma, assignor to The Ross Carrier Company, Benton Harbor, Mich. Lift truck. 2,456,320, Dec. 14.
- Repke, George H., Flint, Mich. Folding table and benches. 2,436,730, Feb. 24.
- Repogle, Delbert E., Ridgewood, assignor to Global Spark Plug Co., Paterson, N. J. Spark plug. 2,448,193, Aug. 31.
- Repogle, George W.: *See—*
Samiran, David, and Repogle.
- Repogle, Mahlon H.: *See—*
Isanogle, Paul D., and Repogle.
- Republic Aviation Corporation, assignee: *See—*
Bohannon, William A.
- Brown, William V., and Drew.
Glover, John E., Jr., and Hanson.
King, Carl C.
Pevney, Paul.
- Republic Aviation Corporation, assignee: *See—*
Continued.
Roeder, Walter G.
Schenk, Edouard H.
Walsh, John J.
Westberg, Arthur H., and Aldrich.
- Republic Drill & Tool Company, assignee: *See—*
Delaney, Harry W.
- Republic Flow Meters Company, assignee: *See—*
Ackley, Robert A.
Graham, Erwin W.
Rosenberger, Albert J.
- Republic Industries, Inc., assignee: *See—*
Martin, William H.
Meyers, Ellwood H., and Gaines.
- Republic Stamping & Enameling Company, The, assignee: *See—*
Curtis, Alfred F., and Borick.
- Republic Steel Corporation, assignee: *See—*
Conley, Charles.
Farrow, Cecil.
Kopeck, Walter.
McQuaid, Harry W.
Meunier, Frederick A.
Prust, Alvin F.
Whitehouse, Irving P.
- Resch, Stewart H., Temple, Pa. Combined humidifier and toilet paper dispenser. 2,440,974, May 4.
- Research Corporation: *See—*
Milas, Nicholas A.
Whitehouse, Irving P.
- Research Corporation, assignee: *See—*
Barrow, Wilmer L.
Corwin, Alphonse H., Jackson, and Webb.
Gallagher, Thomas F.
Hedberg, Carl W. J.
Marton, Ladislaus.
Milas, Nicholas A.
Morton, Avery A.
Nichols, Myron H., and Brinster.
Rauch, Lawrence L.
Shive, William, and Snell.
Snell, Esmond E.
Van Wagtenonck, Willem J.
White, Harry J.
Wintermute, Harry A.
- Resek, Marc, and T. B. Focke, Cleveland Heights, and J. R. Kirkpatrick, South Euclid, assignors to Perfection Stove Company, Cleveland, Ohio. Electrical igniter for pot-type liquid fuel burners. 2,438,823, Mar. 30.
- Resina, Manuel S., Brooklyn, N. Y. Cap feeding machine. 2,434,053, Jan. 6.
- Resinous Products & Chemical Company, The, assignee: *See—*
Auten, Robert W., and Evers.
Auten, Robert W., and Rainey.
Beavers, Ellington M.
Bruson, Herman A.
Bruson, Herman A., and Niederhauser.
Bruson, Herman A., and Riener.
Rothrock, David A., Jr., and Conyne.
- Resistoflex Corporation, assignee: *See—*
Dangelmajer, Charles.
MacWilliam, Wallace.
- Resnikoff, Abraham, and I. Bernstein, Brooklyn, N. Y. Eyelash curler. 2,444,310, June 29.
- Reso, Sam, assignor to Universal Tobacco Machine Co., Inc., Jacksonville, Fla. Cigar punching machine. 2,440,156, Apr. 20.
- Ress, Thomas I., and J. W. Lang, Jr., assignors to DeVry Corporation, Chicago, Ill. Overrunning clutch. 2,448,912, Sept. 7.
- Ressetar, Nicholas J., Oneida, N. Y. Guard device for lock mechanism. 2,439,099, Apr. 6.
- Ressler, Hugh C.: *See—*
Hogan, John V. L., and Ressler.
- Restall, Robert E., Hamilton, Ontario, Canada. Passenger operated roundabout. 2,456,648, Dec. 21.
- Retailiau, Edmond R.: *See—*
Jones, Minor C. K., and Retailiau.
- Retallack, John B.: *See—*
McAlpine, Roderick K., Retallack, and Stibitz.
- Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic toll ticketing system. 2,447,533, Aug. 24.
- Reubush, Robert F., Philadelphia, Pa. Tie stay. 2,435,237, Feb. 3.
- Reuter, Louis F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of vinyl resin. 2,451,174, Oct. 12.
- Reuter, Louis F., Elyria, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Purifying nuclear-chlorinated bis-phenols by steam distillation. 2,455,703, Dec. 7.
- Revere Camera Company, assignee: *See—*
Briskin, Jack, and Golick.
Briskin, Theodore S. and J., and Golick.
- Revere Copper and Brass Incorporated, assignee: *See—*
Glesmann, Louis G.
- Revere Sugar Refinery, assignee: *See—*
Brown, James M., Bemis, and Monroe.
- Rex Manufacturing Company, Inc., assignee: *See—*
Moore, John C.
- Rey, Secundino, Ramos Mejia, Argentina. Luminous tracing system. 2,446,392, Aug. 3.

- Reyburn, John R., Fairfield, and L. Kuhn, Stratford, assignors to American Chain & Cable Company, Inc., Bridgeport, Conn. Lock nut. 2,445,125, July 13.
- Reynaud, Samuel C., Detroit, Mich. Awning type window structure. 2,444,311, June 29.
- Reyniers, James A., Niles, Mich. Film holder and film envelope to be used therewith. 2,447,468, Aug. 17.
- Reyniers, James A., Niles, Mich., assignor to Amino Acids, Inc., Wilmington, Del. Solubilizing protogenous substances. 2,454,837, Nov. 30.
- Reynolds, Albert H., Dallas, Tex. Firetrap for projection machines. 2,444,370, June 29.
- Reynolds, Carl W., Barboursville, W. Va. Nail puller. 2,453,037, Nov. 2.
- Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical connector. 2,434,226, Jan. 6.
- Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical connector. 2,441,921, May 18.
- Reynolds, Charles L., Georgetown, Del. Dispensing apparatus for strip material. 2,449,508, Sept. 14.
- Reynolds, Frank D.: *See*—
Nordin, Allan A., and Reynolds.
- Reynolds, Frank M.: *See*—
Conrad, Delmar R., and Reynolds.
- Reynolds, Frank M., and D. R. Conrad, San Gabriel, Calif. Elevating platform truck. 2,445,004, July 15.
- Reynolds, Harold B., Oneida, N. Y. Electromagnetic pulsator valve. 2,434,586, Jan. 13.
- Reynolds, Harry E., Detroit, Mich. Garment hanger. 2,454,944, Nov. 30.
- Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Journal box. 2,453,594, Nov. 9.
- Reynolds, Howard H., Belmont, Mass., assignor to The Davison Chemical Corporation, Baltimore, Md. Apparatus for thickening hydrosols. 2,436,403, Feb. 24.
- Reynolds, John M., Shreveport, La. Bailor. 2,454,945, Nov. 30.
- Reynolds Metals Company, assignee: *See*—
Fritzen, Thomas L.
Johnson, Arthur F.
Kemmer, Frank R.
McLellan, David S.
- Reynolds, Milton, Chicago, Ill. Fountain pen. 2,435,185, Jan. 27.
- Reynolds, Noel S., St. Louis, Mo. Seal construction. 2,446,243, Aug. 3.
- Reynolds, Reginald J. W.: *See*—
Lewis, John R., McCreath, and Reynolds.
- Reynolds, Richard S., Richmond, Va. Method of uniting laminations of aluminum and tin. 2,443,870, June 22.
- Reynolds, Theron E., and E. Fyffe, assignors to Farmers and Merchants Bank, Lodi, Calif. Florist's wire twisting machine. 2,438,187, Mar. 23.
- Reynolds, Warren S., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Trimming machine. 2,448,393, Aug. 31.
- Reynolds Wire Co., assignee: *See*—
Book, Raymond H., and Gilbert.
- Reynolds, A., and Company Limited, assignee: *See*—
Auer, Donald F.
- Rheem Manufacturing Company, assignee: *See*—
Anderson, Rea V.
Lampert, Albert J.
Stehl, Howard V.
Thomas, Robert M., Ostrander, and Kaelin.
- Rhoads, James C., Erie, Pa., assignor to General Electric Company. Seal construction. 2,441,844, May 18.
- Rhodes, Curtis L., Ripley, W. Va. Adjustable keyhole saw. 2,452,148, Oct. 26.
- Rhodes, Harold B., Los Angeles, Calif. Piano dampening mechanism. 2,456,321, Dec. 14.
- Rhodes, Harry E., Kent, assignor to Parco Manufacturing Company, Cuyahoga Falls, Ohio. Comb. 2,438,945, Apr. 6.
- Rhodes, Herbert D., Tucson, Ariz., G. F. Rouault, Whiting, Ind., and C. N. White, assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,435,655, Feb. 10.
- Rhodes, James H., & Company, assignee: *See*—
England, Leonard H.
- Rhodes, Jesse N., Riverhead, N. Y. Nonelastic constant equalized tension garter. 2,442,905, June 8.
- Rhodes, John W., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Engine control mechanism. 2,443,084, June 8.
- Rhodes, M. H., Incorporated, assignee: *See*—
Rhodes, Marcus H.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Audible time signal. 2,434,470, Jan. 13.
- Rhodes, Marcus H., assignor to M. H. Rhodes Incorporated, Hartford, Conn. Electric time switch. 2,434,471, Jan. 13.
- Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Timing device. 2,437,556, Mar. 9.
- Rhodes, Philip H., Portland, Maine, assignor, by mesne assignments, to Koppers Company, Inc. Production of resins from a methylol monohydric phenol and a polyhydric phenol. 2,437,710, Mar. 16.
- Rhodes, Philip H., Portland, Maine, assignor, by mesne assignments, to Koppers Company, Inc. Method of conferring accelerating setting properties on a dihydroxy benzene-aldehyde adhesive before the setting thereof and utilization of the adhesive in the bonding of materials. 2,443,197, June 15.
- Rhodes, William W., Westtown, Pa., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Pyrethrum extract and propellant solution containing it. 2,449,671, Sept. 21.
- Rhoten, Wesley T., Miamiville, Ohio. Fuel conditioning device. 2,436,018, Feb. 17.
- Rhowmine, Lavinia B., Grand Rapids, Mich. Bib and tray cover. 2,457,725, Dec. 28.
- Ria, Seymon, Seattle, Wash. Heating plant. 2,450,561, Oct. 5.
- Ribbesford Company Limited, The, assignee: *See*—
Thornhill, Peter W.
- Riblet, Henry J., Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Antenna. 2,440,210, Apr. 20.
- Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,433,924, Jan. 6.
- Riboud, Jacques M. J., Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y. Traction reducer. 2,438,414, Mar. 23.
- Riboud, Jacques M. J., Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y. Lifting device. 2,438,415, Mar. 23.
- Ricardo, Harry R., London, England. Internal-combustion engine. 2,450,382, Sept. 28.
- Ricards, Charles L.: *See*—
Tollison, Paul L., and Ricards.
- Ricards, Harold A., Jr.: *See*—
Beerbower, Alan, and Ricards.
- Ricciardi, Matthew C., assignor to The Canister Company, Inc., Phillipsburg, N. J. Means for cutting tubes to produce tubular fibrous containers. 2,443,963, June 22.
- Ricciardi, Matthew C.: *See*—
Di Cosmo, Pasquale V., and Ricciardi.
- Riccio, Benjamin A., South Norwalk, Conn. Adjustable pivoted-shank spanner wrench. 2,444,371, June 29.
- Rice and Adams Corporation, assignee: *See*—
Alling, E. Roy, and Kneppfer.
- Rice, Charles J., Bexleyheath, England. Fastening and holding device for doors, gates, and the like. 2,437,403, Mar. 9.
- Rice, Chester J., and J. V. Narrell, Pecos, Tex.; said Rice assignor to said Narrell. Air conditioning unit. 2,435,798, Feb. 10.
- Rice, Clifford M., Alexandria, Va. Water closet for house trailers, mobile residences, buses, and the like. 2,435,845, Feb. 10.
- Rice, Clifford M., Alexandria, Va. Drain. 2,440,594, Apr. 27.
- Rice, Dell E., South Bend, Ind. Anchor control winch. 2,442,211, May 25.
- Rice, Harold W., Los Angeles, and G. B. Solovieff, South Gate, Calif., assignors to Robertshaw-Fulton Controls Company. Safety control for gaseous fuel burners. 2,455,521, Dec. 7.
- Rice, Henry T. M., San Marino, Calif. Making wrench sockets and the like. 2,451,511, Oct. 19.
- Rice, Henry T. M., San Marino, Calif. Press forging articles. 2,451,512, Oct. 19.
- Rice, Henry W., East Boothbay, Maine. Centerboard installation. 2,437,271, Mar. 9.
- Rice, Richard E., Winthrop, assignor, by mesne assignments, to Isthmian Metals, Inc., Boston, Mass. Making metal bodies. 2,435,511, Feb. 3.
- Rice, Richard E., Waltham, assignor to I. B. Corporation, Cambridge, Mass. Producing half-tone relief imbibition matrices. 2,446,193, Aug. 3.
- Rice-Stix Dry Goods Company, assignee: *See*—
Worley, Richard H.
- Rice, William J., Brooklyn, N. Y. Composition containing tallol resins. 2,448,621, Sept. 7.
- Rice, William Marsh, Institute for the Advancement of Literature, Science and Art, The, assignee: *See*—
Wier, Thomas P., Jr.
Wier, Thomas P., Jr., and Hurley.
- Rice, William W., Jr.: *See*—
Yoch, August H., and Rice, Jr.
- Rich, Carl, assignor of one-half to P. Koenig, Montreal, Quebec, Canada. Gas mask. 2,437,755, Mar. 16.
- Rich, Everett W., San Diego, Calif. Valve-in-head rotary internal-combustion engine embodying a rotary piston with radial sliding vanes and having a combustion chamber in the head. 2,437,653, Mar. 9.
- Rich, George R., assignor to Rich Manufacturing Corporation, Battle Creek, Mich. Alloyed steel. 2,438,824, Mar. 30.
- Rich, Hyman R., Milwaukee, Wis., assignor, by mesne assignments, to The Diversey Corporation, Chicago, Ill. Vapor disseminator. 2,438,129, Mar. 23.
- Rich, John R.: *See*—
Gooding, Chester M., and Rich.
- Rich Manufacturing Corporation, assignee: *See*—
Rich, George R.
- Rich, Nicholas S., Milwaukee, Wis. Electrical detection apparatus. 2,450,166, Sept. 28.

- Rich, Stanley R., New York, N. Y. Limiter. 2,450,443, Oct. 5.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Sensitive direct-current measuring apparatus. 2,449,413, Sept. 14.
- Rich, William A., Leipsic, Ohio. Sand blast nozzle control. 2,449,672, Sept. 21.
- Richa, John H., Kansas City, Mo. Garment finishing machine. 2,436,731, Feb. 24.
- Richa, John H., and F. E. Hanson, Kansas City, Mo. Adjustable shoulder support for garment finishing apparatus. 2,454,977, Nov. 30.
- Richard, Bernard O., Hillsdale, assignor to Allied Products Corporation, Detroit, Mich. Chuck or workholder. 2,448,738, Sept. 7.
- Richard, Charles D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter for interstate telephone communication. 2,434,959, Jan. 27.
- Richard, Grant M., assignor to Toledo Scale Company, Toledo, Ohio. Rotary grinder with stationary perforated plate. 2,445,037, July 13.
- Richard, Grant M., assignor to Toledo Scale Company, Toledo, Ohio. Meat tendering machine. 2,450,688, Oct. 5.
- Richard, Joseph U., Montreal, Quebec, Canada. Sanding device for motor vehicles. 2,437,788, Mar. 16.
- Richards, Arthur R., Kalamazoo, Mich. Orthopedic device. 2,439,100, Apr. 6.
- Richards, Carroll H., Boston, Mass. Torque responsive clutch for controlling shifting of gear ratios of transmissions. 2,444,530, July 6.
- Richards, Catherine, administratrix: *See—*
Richards, J. T.
- Richards, Claude L., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn. Click mechanism for precise control of a tuner. 2,442,935, June 8.
- Richards, Claude L., assignor to The Mullard Radio Valve Company, London, England. Radio wave detector system. 2,455,191, Nov. 30.
- Richards, Donald L., Portland, Oreg. Hobbyhorse. 2,452,869, Nov. 2.
- Richards, Edward A., London, W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier. 2,434,960, Jan. 27.
- Richards, Edward A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier. 2,447,534, Aug. 24.
- Richards, Edward A., L. J. Ellison, and F. Gray, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Manufacture of rectifier disks. 2,450,020, Sept. 28.
- Richards, Grover E., Youngstown, Ohio. Resilient suspension for farm wagons. 2,457,397, Dec. 28.
- Richards, Harper, Chicago, Ill. Toilet seat. 2,457,726, Dec. 28.
- Richards, J. T., deceased, Wilkes-Barre, Pa.; C. Richards, administratrix. Pressure-regulating and retaining handle for portable drills. 2,441,444, May 11.
- Richards, Kenneth D., Gardner, Mass. Signal device for fishing tackle. 2,451,693, Oct. 19.
- Richards, Lillian D., Washington, D. C. Food grater. 2,447,714, Aug. 24.
- Richards, Lorenzo A., Riverside, Calif. Irrigating plants. 2,445,717, July 20.
- Richards, Norvin W., Brilliant, Ohio. Portable flange serrating tool. 2,436,152, Feb. 17.
- Richards, Raymond B.: *See—*
Hunter, Edward, and Richards.
- Richards, Sidney H., Portland, Maine. Nonskid device for crutches and the like. 2,449,509, Sept. 14.
- Richards, Ward F.: *See—*
Snadecki, Clarence W., and Richards.
- Richards, Wilbur R.: *See—*
Marette, Ralph T., and Richards.
- Richards-Wilcox Manufacturing Company, assignee: *See—*
Sheets, Carl L.
- Richardson, Ambrose M., Chicago, Ill. Convertible furniture unit. 2,456,794, Dec. 21.
- Richardson, Arthur A., East Greenwich, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder for tubular lamps. 2,436,266, Feb. 17.
- Richardson, Avery G., Boonton, and M. Dishal and J. S. Le Grand, Nutley, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Channel identifying system. 2,436,827, Mar. 2.
- Richardson, Avery G., Boonton, N. J., and F. O. Chesus and F. G. Thomas, Islip, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio direction finding system. 2,438,946, Apr. 6.
- Richardson, Avery G., Boonton, N. J., and M. Kaplan, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Plug assembly. 2,454,838, Nov. 30.
- Richardson, Avery G., Boonton, N. J., and T. H. Clark, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Resistance sine wave generator. 2,457,178, Dec. 28.
- Richardson, Charles G., assignor to Parks & Woolson Machine Co., Springfield, Vt. Loop cutting mechanism. 2,448,686, Sept. 7.
- Richardson, Charles H., Great Neck, N. Y., assignor to The Sperry Corporation. Carriage translating mechanism. 2,441,168, May 11.
- Richardson, Charles H., Great Neck, N. Y., assignor to The Sperry Corporation. Variable-speed mechanism. 2,444,470, July 6.
- Richardson, Chester N., Youngstown, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Purification of hydrogen peroxide by a nonconcentrating distillation. 2,438,252, Mar. 23.
- Richardson Corporation, assignee: *See—*
Di Pietro, Carmelo V.
- Richardson, George K., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Spent ammunition eliminating means. 2,450,058, Sept. 28.
- Richardson, Harry C., assignor to The Troy Sunshade Company, Troy, Ohio. Coach or bus seat. 2,450,093, Sept. 28.
- Richardson, Henry K., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Molding glass articles. 2,442,860, June 8.
- Richardson, Isaac F., Gallatin, Tenn. Compound for fishing bait. 2,449,322, Sept. 14.
- Richardson, James A.: *See—*
Bottenberg, Kenneth C., and Richardson.
- Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Chuck. 2,444,531, July 6.
- Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Manufacturing reflecting optical elements. 2,444,532, July 6.
- Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Manufacturing reflecting optical elements. 2,444,533, July 6.
- Richardson, Leon W.: *See—*
Gano, Joseph J., and Richardson.
- Richardson, Lloyd D., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Apparatus for powder metallurgy. 2,437,127, Mar. 2.
- Richardson, Marshall L., Wakefield, Mass. Simulated golf target unit. 2,456,322, Dec. 14.
- Richardson, Paul E., assignee: *See—*
Alexander, Samuel T.
- Richardson, Philip B., Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J. Weighing apparatus. 2,434,177, Jan. 6.
- Richardson, Ralph R., Chicago, W. T. Ritter, River Forest, and R. O. Ragan, Oak Park, assignors to Chicago Carton Company, Chicago, Ill. Moistureproof packaging. 2,439,435, Apr. 13.
- Richardson, Roger W., and J. A. Pierce, Baton Rouge, La., assignors to Standard Oil Development Company. Chlorine manufacture. 2,451,870, Oct. 19.
- Richardson Scale Company, assignee: *See—*
Richardson, Philip B.
- Richartz, Paul, Sheffield, England. Method and apparatus for covering a scale for the handle of a pocket knife. 2,452,149, Oct. 26.
- Richbourg, James W., assignor of two-fifths to G. H. Gibson, Vidalia, Ga. Pressure switch. 2,451,412, Oct. 12.
- Riche, Arthur L., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Automatic water softener. 2,435,366, Feb. 3.
- Riche, Arthur L., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch mechanism. 2,447,871, Aug. 24.
- Richens, Arthur W., Toronto, assignor to E. S. & A. Robinson (Canada) Limited, Leaside, Ontario, Canada. Bag making machine and method. 2,435,560, Feb. 3.
- Richerzhagen, Werner, East Detroit, Mich. Garment hanger. 2,448,394, Aug. 31.
- Richey, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Scoop board for vehicle boxes. 2,437,614, Mar. 9.
- Richey, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Circular saw attachment for tractors. 2,448,123, Aug. 31.
- Richey, Paul E.: *See—*
Burrell, James H., and Richey.
- Richfield Oil Corporation, assignee: *See—*
Beissinger, Victor J., and Johnson.
- Travers, William J., Jr.
- Richker, Charles, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Catalyst reactivation. 2,443,056, June 8.
- Richman, Ruth E., Cedarhurst, N. Y. Garment. 2,454,208, Nov. 16.
- Richmond, Henry H.: *See—*
Wright, George F., Richmond, and Downing.
- Richmond, Henry H., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. 1,3-bis(o-xenyl) triazene. 2,448,155, Aug. 31.
- Richmond, Henry H., Guelph, Ontario, and M. Tomiuk, Strathmore, Quebec, Canada, assignors to United States Rubber Company, New York, N. Y. Use of symmetrical xenytriazenes in making gas expanded organic plastics. 2,448,154, Aug. 31.
- Richmond Manufacturing Company, assignee: *See—*
Pickard, Percy.

- Richmond, Martin R., Brooklyn, N. Y., assignor to Radio Corporation of America. Pulse-echo system. 2,446,244, Aug. 3.
- Richmond, Paul, Pontiac, Mich. Support for hammocks. 2,450,689, Oct. 5.
- Richmond-Walker Manufacturing Company, assignee: *See—*
- Richmond, William H.
- Richmond, William H., Piedmont, assignor to Richmond-Walker Manufacturing Company, Oakland, Calif. Guitar steel. 2,435,512, Feb. 3.
- Richmont, Inc., assignee: *See—*
- Livermont, Frank W.
- Richolt, Robert R.: *See—*
- Johnson, Clarence L., and Richolt.
- Richter, Hartmut W., Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Preparing potassium stannate. 2,436,974, Mar. 2.
- Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Setting apparatus for textile fabrics. 2,451,978, Oct. 19.
- Richter, Henry J., Glen Ellyn, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite and a 1,2-epoxy compound. 2,456,216, Dec. 14.
- Richter, Karl C., West Springfield, Mass. Lamp and a support therefor. 2,449,250, Sept. 14.
- Richter, Lewis E., Shumway, Ill. Container. 2,453,159, Nov. 9.
- Richter, Richard, Irvington, N. J., and J. J. Miskel, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Rubberoid tall oil polymers and process for making the same. 2,451,173, Oct. 12.
- Richter, Samuel J., New York, N. Y. Combined connecting plug and fuse. 2,451,774, Oct. 19.
- Richter, Walther, Whitefish Bay, and W. H. Elliot, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for recording the duration of a transient effect. 2,435,753, Feb. 10.
- Richterkessing, Frank E., assignor to Porcelain Metals Corporation of Kentucky, Louisville, Ky. Sheet-metal receptor. 2,449,323, Sept. 14.
- Rickerson, Floyd K., assignor of one-fourth to A. Lobe, Seattle, Wash. Diaper having disposable inserts. 2,450,059, Sept. 28.
- Ricketts, Denton T., M. O. Huffman, and J. D. Schmunk, Findlay, Ohio. Muffler remover. 2,447,960, Aug. 24.
- Ricklefs, Philip: *See—*
- Quigley, John J., and Ricklefs.
- Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Switch element. 2,436,601, Feb. 24.
- Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Timing element. 2,436,602, Feb. 24.
- Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Liquid and gas transfer in mercury switches. 2,448,687, Sept. 7.
- Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,435,602, Feb. 10.
- Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Timing unit for switches. 2,435,603, Feb. 10.
- Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Plunger switch. 2,436,898, Mar. 2.
- Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Centrifugal circuit breaker. 2,449,862, Sept. 21.
- Ricks, Fred, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Last pulling machine. 2,435,656, Feb. 10.
- Ric-wil Company, The, assignee: *See—*
- McLeish, William S.
- Ridbo Laboratories, Inc., assignee: *See—*
- Auer, László.
- Babayan, Vigen K.
- Erlette, Vincent J.
- Kalman, Nicholas L.
- Yolles, Seymour.
- Zeiss, Harold H.
- Riddell, William A., assignor to The General Engineering Company, Frederick, Md. Tuyere. 2,440,382, Apr. 27.
- Riddick, William M., Houston, Tex., assignor of one-tenth to W. B. McGranahan, Los Angeles, Calif. Freight handling device. 2,447,028, Aug. 17.
- Rider, Morgan W., McKeesport, and W. H. Brandt, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making insulated cores. 2,443,663, June 22.
- Rider, Stuart II.: *See—*
- Scott, Milton J., and Rider.
- Ridgers, Frederick G., and C. W. Cassels, assignors to N. Slater Company, Limited, Hamilton, Ontario, Canada. Ground line bond. 2,434,123, Jan. 6.
- Ridgewood Inc., assignee: *See—*
- St. Clair, Houston.
- Ridgway, John A., Jr., Texas City, Tex., and P. Hill, Hammond, Ind., assignors to Pan American Refining Corporation, New York, N. Y. Catalytic cracking of hydrocarbons. 2,454,615, Nov. 23.
- Ridings, Garvice H.: *See—*
- Wise, Raleigh J., Ridings, and Parrott.
- Ridley, Baldwin W., Valley Stream, N. Y. Device to test synchro circuit and synchro equipment. 2,434,961, Jan. 27.
- Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Friction clutch and detent mechanism on indicator drive. 2,434,369, Jan. 13.
- Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Mounting arrangement for electrical equipment. 2,438,454, Mar. 23.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Temperature responsive variable frequency oscillator. 2,447,816, Aug. 24.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Temperature or pressure responsive variable frequency oscillator. 2,447,817, Aug. 24.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Periodic reversing drive. 2,447,818, Aug. 24.
- Rieber, William K.: *See—*
- Leitner, Richard G., and Rieber.
- Rieber, William K., Los Angeles, Calif. Variable-speed transmission. 2,437,128, Mar. 2.
- Riebli, Walter W., Oakland, Calif. Drainage system for stables. 2,437,210, Mar. 2.
- Riecken, William E., deceased, by W. E. Riecken, Jr., administrator, Leonia, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Apparatus for and method of electroforming of rectifier elements. 2,440,297, Apr. 27.
- Riecken, William E., Jr., administrator: *See—*
- Riecken, William E.
- Riedel, Kurt A.: *See—*
- Trecker, Theodore, Armitage, Barker, Riedel, and Boehmer.
- Riedeke, Andrew P., Los Angeles, Calif. Ventilated toilet. 2,456,534, Dec. 14.
- Rieder, William: *See—*
- Kohler, Oliver, and Rieder.
- Riedl, Arnold T.: *See—*
- Erbach, Lawrence F., and Riedl.
- Riedling, John H., assignor of one-half to M. Wilkerson, Memphis, Tenn. Ring grinding machine. 2,437,002, Mar. 2.
- Riege, Harold, and E. C. Siewert, Wausau, assignors to Marathon Corporation, Rothschild, Wis. Collapsible carton. 2,437,835, Mar. 16.
- Riegel Paper Corporation, assignee: *See—*
- Bidwell, George L.
- Rieger, James H., Dayton, Ohio. Collapsible ironing board stand. 2,443,514, June 15.
- Rieke, John W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,452,683, Nov. 2.
- Rieke, John W., and R. J. Shank, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic modulation and modulation correction circuits. 2,438,947, Apr. 6.
- Riemenschneider, Edmund W., and D. T. Greth, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Collapsible pile-driving mandrel. 2,437,043, Mar. 2.
- Riemenschneider, Edmund W., and L. W. Shea, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Bottom dumping material handling box. 2,445,038, July 13.
- Riemenschneider, Roy W., Glenside, and J. Turer, Philadelphia, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Synergistic antioxidant composition of the acidic type. 2,440,383, Apr. 27.
- Riener, Thomas W.: *See—*
- Bruson, Herman A., and Riener.
- Riese, Karl F.: *See—*
- Williams, James T., and Riese.
- Riesenfeld, Fred C.: *See—*
- Blohm, Clyde L., Riesenfeld, and Frazier.
- Rieske, Otto G., Buffalo, N. Y. Coconut peeling machine having rotary radial cutter blades with fan portions. 2,456,446, Dec. 14.
- Riester, Oskar, Dessau-Ziebigk, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Methinedyestuffs. 2,442,710, June 1.
- Riester, Oskar, Dessau, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Methine dyestuffs. 2,440,119, Apr. 20.
- Riesz, Robert R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 2,438,948, Apr. 6.
- Riethof, George, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Chemical Company. Recovery of pure beta-picoline. 2,443,479, June 15.
- Rietschel, Henry F. C., Nassau County, N. Y. Timer switch for internal-combustion engines. 2,454,524, Nov. 23.
- Rietz, George A., Schenectady, N. Y., assignor to General Electric Company. Heater for livestock watering tanks. 2,454,091, Nov. 16.

- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Beta-cyclohexylaminoethyl benzhydryl ether and salts thereof. 2,437,711, Mar. 16.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Benzhydryl amino ethers. 2,453,729, Nov. 16.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Benzhydryl amino ethers. 2,454,092, Nov. 16.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Dialkylaminoalkyl benzhydryl ethers and salts thereof. 2,455,949, Dec. 14.
- Rifas, Harold, Bronx, assignor to L. Tannen, New York, N. Y. Necktie trick contrivance. 2,441,546, May 11.
- Rifenberg, Milo, Constantine, Mich. Siding tool. 2,438,766, Mar. 30.
- Rifenbergh, Clare M., Grosse Pointe, Mich., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electrical measuring system. 2,457,727, Dec. 28.
- Riffen, Louis L., Elgin, Ill. Towel or cloth holder. 2,457,274, Dec. 28.
- Riffin, Milton, Chicago, Ill., assignor, by mesne assignments, to Frez-O-Mat Sales Corporation. Refrigerated dispensing cabinet. 2,446,788, Aug. 10.
- Riffin, Milton, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation. Package and cabinet for frozen foods. 2,455,809, Dec. 7.
- Rigby, George W., Wilmington, Del., assignor, by mesne assignments to the United States of America as represented by the Secretary of War. Ophthalmic compositions. 2,445,366, July 20.
- Rigby, Ernest E., Penwortham, Preston, England. Inlet fitting for tanks. 2,452,394, Oct. 26.
- Rigden, Duncan L., Oakland, Calif. Balanced pressure gage and switch. 2,437,440, Mar. 9.
- Riggen, Theodore K., Elmira, N. Y. Sensitive photoelectric control for signal devices. 2,450,990, Oct. 12.
- Riggs, Herbert E.: See—
Sollday, Raymond E., and Riggs.
- Riggs, Joseph A., Hinsdale, E. W. Worthington, Chicago, and C. V. Knell, Glen Ellyn, assignors to The Goss Printing Press Company, Chicago, Ill. Printing unit and drive mechanism therefor. 2,447,872, Aug. 24.
- Riggs, Robert W., Stamford, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y. Rear index card and holder for visible indexes. 2,445,186, July 13.
- Rights, Herbert T., Verona, and H. Toomim, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical micrometer gauge. 2,445,455, July 20.
- Rigrod, William W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tuning means for electron discharge devices. 2,439,908, Apr. 20.
- Rigrod, William W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitor. 2,456,891, Dec. 21.
- Riley, Frank O., and R. F. Anderson, assignors to General Motors Corporation, Detroit, Mich. Door check and hold open. 2,442,177, May 25.
- Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,447,669, Aug. 24.
- Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,456,892, Dec. 21.
- Riley Stoker Corporation, assignee: See—
Hall, Fred B.
Rehm, Gustav A.
- Rimer, Foister S., Richland, Mo. Insect swatter. 2,441,290, May 11.
- Rimmington, Frank, Potters Bar, England. Remote control system particularly for arc welding. 2,443,776, June 22.
- Rinderknecht, Heinrich: See—
Bergel, Franz, Morrison, Moss, Konigstein, and Rinderknecht.
Bergel, Franz, and Morrison, and Rinderknecht.
- Rinehart, Cleo A., assignor to Industrial Patents Corporation, Chicago, Ill. Meat curing. 2,442,663, June 1.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement for use in wave transmission systems. 2,436,828, Mar. 2.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating apparatus. 2,457,601, Dec. 28.
- Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,450,060, Sept. 28.
- Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Retrieving apparatus. 2,454,839, Nov. 30.
- Ringer, Abraham, Eatontown, N. J., assignor to the United States of America as represented by the Secretary of War. Field intensity meter. 2,453,160, Nov. 9.
- Ringer, Erue J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism and follow-up control valve therefor. 2,457,728, Dec. 28.
- Ringer, Luther: See—
Geldhof, Peter E., and Ringer.
- Ringer, Luther, Berrien Springs, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Time switch. 2,444,955, July 13.
- Ringer, Robert L., Jr., Jersey City, N. J., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Resistance welding circuit. 2,443,777, June 22.
- Ringer, Robert L., Jr., Warren, and C. E. Smith, Port Homer, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Welding system. 2,450,614, Oct. 5.
- Ringle, Charles J., and Roy W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc. Dental surveying instrument. 2,456,447, Dec. 14.
- Ringle, Charles J., and R. W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc. Attachment for dental surveying instruments. 2,457,090, Dec. 21.
- Ringler, Irving, New York, N. Y. X-ray apparatus. 2,455,522, Dec. 7.
- Ringler, William A., Wayne, assignor to Wolf Brothers, Philadelphia, Pa. Paper bag. 2,433,867, Jan. 6.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Folding box machine. 2,440,120, Apr. 20.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Container structures for liquid, semiliquid, and freely flowable products, especially food products to be frozen. 2,443,431, June 15.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Sealed box. 2,444,895, July 6.
- Ringler, William A., W. E. Sooy, and R. W. von Sydow, assignors to The Gardner-Richardson Company, Middletown, Ohio. Method and machine for forming and filling reclosable cartons. 2,441,445, May 11.
- Ringzelli, Arthur, Chicago, Ill. Expansile lap. 2,440,914, May 4.
- Rinia, Herre, Eindhoven, Netherlands; vested in the Attorney General of the United States. Manufacturing optical elements. 2,437,860, Mar. 16.
- Rinne, John, Brooklyn, N. Y., and E. H. Ashton, Jersey City, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Filling feeler slide mechanism. 2,443,401, June 15.
- Rinne, John, Brooklyn, and R. G. Mallard, Staten Island, assignors to The M. W. Kellogg Company, New York, N. Y. Filling feeler mechanism. 2,445,695, July 20.
- Riopelle, Earl F.: See—
Van Degrift, Thomas C., Zmuda, and Riopelle.
- Riordan, F. S., assignee: See—
Riordan, Patrick F.
- Riordan, Patrick F., Summit Hill, Pa.; M. Balliet, administratrix of said Patrick F. Riordan, deceased, assignor to F. S. Riordan, Lansford, Pa. Slaughtering tool for dry picking poultry. 2,434,587, Jan. 13.
- Rippingille, Edward V., Farmington, assignor to General Motors Corporation, Detroit, Mich. Pressure responsive automatic control. 2,449,953, Sept. 21.
- Rippl, Francis J.: See—
Isaac, Elmer B., and Rippl.
- Risberg, Fred A., Chicago, Ill. Wrapping, banding, and tipping machine. 2,451,175, Oct. 12.
- Risch, Arthur H., Wauwatosa, assignor to Pulp Reproduction Company, Milwaukee, Wis. Manufacturing aquatic decoys. 2,453,758, Nov. 16.
- Risch, Werner, Zurich, Switzerland. Method and machine for producing propellers, ships' screws, and the like. 2,450,383, Sept. 28.
- Risdon, John J.: See—
Loessel, Edward H., and Risdon.
- Risser, Jacob R., Belmont, and R. J. Wlodkowski, Attleboro, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radiating horn. 2,456,323, Dec. 14.
- Ristenpart, Chester H.: See—
Balzi, Clemente, Juravcoff, and Ristenpart.
- Ritchey, Donald D., Brookmont, Md. Pneumatic siren. 2,436,603, Feb. 24.
- Ritchie, John R., Minneapolis, Minn. Road roller drive wheels and mountings therefor. 2,443,147, June 8.
- Ritchie, Thomas, Oskaloosa, assignor to C. B. Wade, Ottumwa, Iowa. Float valve. 2,439,864, Apr. 20.
- Rite-Way Products Company, assignee: See—
Rawson, Emanuel.
- Ritter Company, Inc., assignee: See—
Beyer, Henry J.
Maxson, Clarence G.
Wester, Edwin J., and Ziegler.
- Ritter, Jacob, assignor to M. Ritter, New York, N. Y. Offset axes multiple frames of handbags. 2,446,435, Aug. 3.
- Ritter, Minnie, assignee: See—
Ritter, Jacob.
- Ritter, Saul, New York, N. Y. Tubular link construction. 2,457,275, Dec. 28.
- Ritter, W. M., Lumber Company, assignee: See—
Klammt, Arthur, and Kretzschmar.
- Ritter, Walter T.: See—
Richardson, Ralph R., Ritter, and Ragan.
- Ritzert, Robert W., New York, N. Y., assignor to The Egry Registry Company, Dayton, Ohio. Paper and ribbon feeding mechanism for manifolded machines. 2,456,734, Dec. 21.

- Ritzmann, Otto F., Takoma Park, Md., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for exhibiting seismograph signals. 2,435,903, Feb. 10.
- Rivenburgh, Malcolm R.: *See—*
Steward, Colby W., and Rivenburgh.
- Rivers, Walter, Coeur d'Alene, Idaho. Churn. 2,452,492, Oct. 26.
- Rivest, Paul E., London, Ontario, Canada. Circular cutter. 2,436,899, Mar. 2.
- Riviera Packing Company, assignee: *See—*
Lowe, Horace.
- Rivoira, Edilio J., Silvertown, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Spindle positioning mechanism. 2,441,291, May 11.
- Rizer, Floyd R., Detroit, Mich. Lighting torch. 2,448,622, Sept. 7.
- Rizer, Worth P., Wichita, Kans. Edge finder. 2,435,799, Feb. 10.
- Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Collapsible display frame. 2,439,022, Apr. 6.
- Roach, Wendell W.: *See—*
Vinyard, Roy E., Roach, and Skinner.
- Roadless Traction Limited, assignee: *See—*
Tripp, Leonard W.
- Robar Research, Inc., assignee: *See—*
Rodack, James.
- Robaus, Stanley, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Producing lined pipe bends. 2,435,904, Feb. 10.
- Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pile tuft cutter for Axminster looms. 2,441,374, May 11.
- Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop motion for Axminster looms. 2,442,178, May 25.
- Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tuft cutting mechanism for Axminster looms. 2,448,829, Sept. 7.
- Robbins, Azor D., Glen Cove, N. Y. Power dividing device. 2,440,975, May 4.
- Robbins, David S., Hamden, Conn., assignor to The American Steel and Wire Company of New Jersey. Method of making braided slings. 2,448,463, Aug. 31.
- Robbins, David S., Hamden, Conn., assignor to The American Steel and Wire Company of New Jersey. Braided sling. 2,450,355, Sept. 28.
- Robbins, David S., Hamden, Conn., assignor to The American Steel and Wire Company of New Jersey. Braided sling and method of making same. 2,450,356, Sept. 28.
- Robbins, Jack E., assignor to Polrette Corsets Inc., New York, N. Y. Panty girdle. 2,455,272, Nov. 30.
- Robbins, James C., Elizabeth, and T. McElrath, Jr., Summit, N. J., assignors to Union Carbide & Carbon Corporation. Multifilament blowpipe head. 2,442,437, June 1.
- Robbins, Joseph J., New York, and R. T. Blakely, Amityville, assignors to International Business Machines Corporation, New York, N. Y. Record sensing and comparing means. 2,448,830, Sept. 7.
- Robbins & Myers, Inc., assignee: *See—*
Coffman, Olen G.
- Robbins, Sylvia S.: *See—*
Raff, Andrew, Robbins, S. S. and V. G., and Rosen.
- Robbins, Victor G.: *See—*
Raff, Andrew, Robbins, S. S. and V. G., and Rosen.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical condenser. 2,439,672, Apr. 13.
- Roberts, Wesley M., Collingswood, and J. G. Beard, Hadfield, N. J., and F. C. Blancha, Manoa, Pa., assignors to Radio Corporation of America. Sealing metal casings enclosing vibratile elements. 2,444,312; June 29.
- Robert Company, The, assignee: *See—*
Somers, Edward B.
- Robertson, James S. P., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic throat microphone. 2,441,975, May 25.
- Roberts, Albert O., and J. J. Wharam, assignors to Ford Motor Company, Dearborn, Mich. Automatic brake control. 2,457,729, Dec. 28.
- Roberts, Alfred, assignee: *See—*
Sweet, Roland G.
- Roberts, Arthur E., assignee: *See—*
Gordon, Ernest.
- Roberts Brass Manufacturing Company, The, assignee: *See—*
Kincaid, William S.
- Roberts, Charles H., Cheyenne, Wyo. Collapsible stand. 2,452,792, Nov. 2.
- Roberts, David S., Brighton, and R. A. DeLuca, South Boston, Mass., said DeLuca assignor to said Roberts. Bubble cap. 2,457,398, Dec. 28.
- Roberts, Earl J., and J. A. Ambler, New Orleans, La., and A. L. Curl, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Production of itaconic acid. 2,448,831, Sept. 7.
- Roberts, Edna W., executrix: *See—*
Roberts, Willard A.
- Roberts, Elmer F.: *See—*
Wright, William C., Rowe, Jr., and Roberts.
- Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Hamilton, Ohio. System for handling massecuite. 2,442,471, June 1.
- Roberts, Francis T., Detroit, Mich. Pediatric syringe. 2,453,814, Nov. 16.
- Roberts, Frederick H.: *See—*
Fife, Harvey R., and Roberts.
- Roberts, Frederick W., Fairfield, and R. C. Curtis, New Haven, Conn., assignors to Dictaphone Corporation, New York, N. Y. Sound recording and reproducing control system. 2,444,676, July 6.
- Roberts, George E., Martinsville, Mo. Wash check collar. 2,439,488, Apr. 13.
- Roberts, Gerald G., assignor to W. O'Neil, Akron, Ohio. Relay control system. 2,457,730, Dec. 28.
- Roberts, Ingham S., Ridley Park, Pa. Slide rule. 2,449,954, Sept. 21.
- Roberts, James H., assignor of one-fourth to B. Ivy, Osceola, Ark. Pump packing means. 2,452,261, Oct. 26.
- Roberts, Jean M., Ridgewood, assignor to Bendix Aviation Corporation, Bendix, N. J. Electric motor control. 2,454,671, Nov. 23.
- Roberts, John, San Francisco, Calif. Valve. 2,448,913, Sept. 7.
- Roberts, Kenneth C., Clayton, assignor to The Anchor Chemical Company Limited, Manchester, Lancashire, England. Manufacture of factice and sulfurized oils. 2,450,384, Sept. 28.
- Roberts, Llewellyn M., Northfield, Vancouver Island, British Columbia, Canada. Heating attachment for lamps. 2,448,326, Aug. 31.
- Roberts Manufacturing Co., The, assignee: *See—*
Roehr, Zbislav M.
- Roberts, Melvin R., Los Angeles, Calif. Toy bank. 2,436,604, Feb. 24.
- Roberts, Melvin R., Los Angeles, Calif. Game. 2,454,478, Nov. 23.
- Roberts, Obe, assignee: *See—*
Harbison, Joseph C.
- Roberts Paper Company, assignee: *See—*
Dalby, Delbert G.
- Roberts, Pearl B., Tyler, Tex. Method and materials for cleaning oil wells and equipment. 2,438,682, Mar. 30.
- Roberts, Perry L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of traces of water from mixtures of hydrogen chloride with low-boiling hydrocarbons. 2,436,900, Mar. 2.
- Roberts, Ralph, Eastport, Md. Active material for alkaline cells and method of preparing same. 2,448,052, Aug. 31.
- Roberts, Robert P., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Manufacture of water-soluble textile materials. 2,439,865, Apr. 20.
- Roberts and Schaefer Company, assignee: *See—*
McGee, Jesse M.
- Roberts, Stiles M.: *See—*
McCleary, Rush F., and Roberts.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Comparison of radio frequency circuit losses. 2,449,621, Sept. 21.
- Roberts, Wesley J., Hot Springs, Ark. Endless conveyer egg-candling device. 2,451,577, Oct. 19.
- Roberts, Wesley J., North Little Rock, Ark. Egg carton. 2,452,150, Oct. 26.
- Roberts, Willard A., deceased, Euclid, by E. W. Roberts, executrix, Cleveland, Ohio, assignor to General Electric Company. Erythema phosphor. 2,447,210, Aug. 17.
- Roberts, William B., Junction City, Kans. Expander for loose-leaf note books. 2,453,459, Nov. 9.
- Robertshaw-Fulton Controls Company, assignee: *See—*
Branson, Charles D.
Caparone, Michael J.
Cate, Paul E.
Giesler, Jean V.
Jackson, Wilbur F., and Jeffers.
Puster, Louis M.
Rice, Harold W., and Solovieff.
Strobel, Charles K.
Strobel, Charles K., and Lakota.
Unger, Max S.
Weber, Victor.
Weber, Victor, and Garner.
- Robertshaw Thermostat Company, assignee: *See—*
Weber, Victor.
- Robertson, Alexander, assignor to Venango Engineering Company, Inc., Philadelphia, Pa. Fibrous stock dyeing machine. 2,434,719, Jan. 20.
- Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized xylinidine and process for preparing same. 2,434,651, Jan. 20.
- Robertson, Archibald, North Hollywood, and D. W. Merritt, Torrance, assignors to Adel Precision Products Corp., Burbank, Calif. Mounting means for flexible strap clips. 2,434,720, Jan. 20.
- Robertson, Billy P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubricants. 2,449,510, Sept. 14.
- Robertson, Charles A., San Francisco, Calif. Hydraulic clutch. 2,449,717, Sept. 21.
- Robertson, David S., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, Australia. Phase shift oscillator. 2,446,106, July 27.

- Robertson, Edwin A., Sandusky, Ohio, assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J. Portable liquid filtering apparatus. 2,436,077, Feb. 17.
- Robertson, Elmer E., Harbor City, Calif. Tooth for power shovels. 2,435,846, Feb. 10.
- Robertson, Elmer E., Harbor City, Calif. Shovel tooth. 2,435,847, Feb. 10.
- Robertson, H. H., Company, The, assignee: *See*—
Crafton, Henry H.
Hubbell, Dean S.
Singleton, Fred G.
Wiesmann, Joseph W.
Young, James H., and Jenkins.
- Robertson, Harry M., assignor to Turco Products, Inc., Los Angeles, Calif. Separation of mercury by hydraulic concentration and screening. 2,439,694, Apr. 13.
- Robertson, John W., Englewood, N. J., assignor of one-half to Ellis-Foster Company, and one-half to Montclair Research Corporation. Modified alkyd sizing composition. 2,454,717, Nov. 23.
- Robertson, Robert R., Chicago, Ill. Road joint. 2,441,903, May 18.
- Robertson, Robert R., Chicago, Ill. Expansion joint. 2,444,372, June 29.
- Robertson, Robert R., Chicago, Ill. Road center joint. 2,444,373, June 29.
- Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission. 2,441,598, May 18.
- Robertson, Warren M.: *See*—
Derby, Palmer P., and Robertson.
- Robeson Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.
- Robeson, Max O.: *See*—
Bludworth, Joseph E., Robeson, and Truby.
- Robey, Lee E., Odenton, assignor of one-half to W. Reicnsider, Dorsey, Md. Electrical safety device. 2,439,634, Apr. 13.
- Robey, Richard F., Cranford, and C. E. Morrell, Roselle, N. J., assignors to Standard Oil Development Company. Preparation of monosulfones of conjugated diolefins. 2,443,270, June 15.
- Robey, Richard F., Cranford, J. Fedirko, Elizabeth, and A. E. Barnett, Westfield, N. J., assignors to Standard Oil Development Company. Stabilizing hydrocarbons. 2,445,367, July 20.
- Robey, Richard F., Cranford, J. Fedirko, Elizabeth, and A. E. Barnett, Westfield, N. J., assignors to Standard Oil Development Company. Stabilizing hydrocarbons. 2,449,010, Sept. 7.
- Robey, William G., Grafton, W. Va. Rotary toothbrush. 2,446,955, Aug. 10.
- Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive products. 2,452,793, Nov. 2.
- Robie, Norman P., and F. E. Sheibley, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Polymers of unsaturated oxy silicols. 2,438,520, Mar. 30.
- Robiette, Alfred G. E., and P. F. Hancock, Erdington, Birmingham, assignors to Birlec Limited, Birmingham, England. Decarburizing austenitic manganese cast iron. 2,435,946, Feb. 10.
- Robins, Bert D., New York, N. Y. Chain and lock mechanism. 2,452,151, Oct. 26.
- Robins, Henry S., assignee: *See*—
Smith, George N.
- Robins, Jack B., assignor to Aircraft Mechanics, Inc., Colorado Springs, Colo. Vertically adjustable barrel truck. 2,439,581, Apr. 13.
- Robins, Jack B., assignor to Aircraft Mechanics, Inc., Colorado Springs, Colo. Truck for handling electric refrigerators and the like. 2,450,690, Oct. 5.
- Robins, John W., Westwood, assignor to Mason-Neilan Regulator Company, Boston, Mass. Valve. 2,452,956, Nov. 2.
- Robins, Samuel D., New York, N. Y. Aircraft provided with fixed and rotary wings for convertible types of flight. 2,437,789, Mar. 16.
- Robins, Stanley J., New York, N. Y. Lapping device. 2,436,605, Feb. 24.
- Robinson, Albert L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling device for concentric conductor lines. 2,451,413, Oct. 12.
- Robinson, Albert L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tapered union for concentric conductor lines. 2,453,759, Nov. 16.
- Robinson, Albert P., Seattle, Wash. Golf club grips. 2,437,404, Mar. 9.
- Robinson, Albert P., Seattle, Wash. Carrying device. 2,437,405, Mar. 9.
- Robinson, Albert S., and H. W. Wills, assignors to Specialoid Limited, London, England. Cooling rod and piston. 2,442,438, June 1.
- Robinson, Arthur M., Boston, Mass., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal with moisture-proof coatings. 2,456,995, Dec. 21.
- Robinson, Bestor, United States Army, Oakland, Calif. Portable stove for burning liquid fuel and burner control mechanism therefor. 2,455,950, Dec. 14.
- Robinson, Cecil S., assignor of one-half to D. H. Robinson, New York, N. Y. Vibration dampening mount. 2,441,509, May 11.
- Robinson, Cecil S., assignor of one-half to D. H. Robinson, New York, N. Y. Vibration dampening mount. 2,441,510, May 11.
- Robinson, Charlotte R. B., assignee et al.: *See*—
Bucknell, Ernest H., and Bletcher.
- Robinson, Clifford C., Sioux City, Iowa. Wrist-attached article carrier. 2,449,324, Sept. 14.
- Robinson, Correl N., Jr., Trenton, and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of aliphatic polyamines. 2,452,602, Nov. 2.
- Robinson, Dorothy H.: *See*—
Robinson, Cecil S.
- Robinson, Duncan D.: *See*—
Holland, John D., and Robinson.
- Robinson, E. S. & A., (Canada) Limited, assignee: *See*—
Nicholas, John.
Richens, Arthur W.
- Robinson, Edwin A., Chatham, and R. M. Beach, Florham Park, assignors to Nopco Chemical Company, Harrison, N. J. Tanning with chromiates of lignin sulfonic acids. 2,437,044, Mar. 2.
- Robinson, George C., Los Angeles, Calif. Device for trisecting angles. 2,450,167, Sept. 28.
- Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Composition for descaling ferrous metal. 2,450,861, Oct. 5.
- Robinson, Hugh S., U. S. Navy. Injection control system. 2,445,337, July 20.
- Robinson, James D., assignor to Sun-Fire Stoker Corporation, New Albany, Ind. Automatic air volume control for stokers. 2,441,845, May 18.
- Robinson, Jessie C., executrix: *See*—
Robinson, William B., and Swenson.
- Robinson, Joseph, New York, N. Y. Container closure. 2,445,802, July 27.
- Robinson, Joseph, New York, N. Y. Container closure. 2,447,535, Aug. 24.
- Robinson, Joseph, New York, N. Y. Container closure. 2,447,536, Aug. 24.
- Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,450,444, Oct. 5.
- Robinson, Kyle I.: *See*—
Robinson, Lawrence R. and K. I., Berger, and Lang.
- Robinson, Lawrence R., Mount Lebanon, K. I. Robinson, Glenshaw, E. O. Berger, Bellevue, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Sewer cleaning bucket for passing around sheaves. 2,454,008, Nov. 16.
- Robinson, Melvin A., Washington, D. C. Detachable shoe cleat. 2,445,926, July 27.
- Robinson, Preston, Williamstown, and P. H. Netherwood, assignors to Sprague Electric Company, North Adams, Mass. Electrical seal. 2,444,880, July 6.
- Robinson, Reuben C.: *See*—
White, Ernest T., and Robinson.
- Robinson, Richard S.: *See*—
Cunningham, George L., and Robinson.
- Robinson, Richard S., Gloucester, Mass., assignor to Allied Chemical & Dye Corporation. Production of alkali metal methylates. 2,437,272, Mar. 9.
- Robinson, Robert C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase motor winding. 2,436,331, Feb. 17.
- Robinson, Roy H., Chicago, Ill. Preheating installation in boilers for quick heating and steaming. 2,455,192, Nov. 30.
- Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion process. 2,439,023, Apr. 6.
- Robinson, Samuel A.: *See*—
Bates, Harold S., and Robinson.
- Robinson, Samuel S., Jr., U. S. Army, assignor to Lilliston Implement Company, Albany, Ga. Baling press and baling method. 2,455,442, Dec. 7.
- Robinson, Thomas R., Jr., Newton, assignor to The Marlin Firearms Company, New Haven, Conn. Detachable operating handle for retracting breech bolts. 2,454,885, Nov. 30.
- Robinson, Vernon C., Phoenix, Ariz. Portable hod stand. 2,452,684, Nov. 2.
- Robinson, William A., assignee: *See*—
Wallace, William M.
- Robinson, William B., Sayville, and G. E. Swenson, Hastings on Hudson, N. Y.; J. C. Robinson, executrix of said W. B. Robinson, deceased, assignor to M. C. Fido and G. Link, Jr., as trustees. Covering strip for roofs and sidings. 2,450,562, Oct. 5.
- Robinson, William K., Ventnor, N. J. Educational device. 2,453,265, Nov. 9.
- Robison, Silas E., Waldron, Mich. Hitch pin. 2,447,913, Aug. 24.
- Robison, William M., Mount Holly, N. J. Fluid pressure switch. 2,456,994, Dec. 21.
- Roblee, John E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for barrel stenciling machines. 2,439,949, Apr. 20.
- Robshaw, Walter A., Wrexham, Wales, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of tetraalkyl thiuram monosulfide. 2,453,460, Nov. 9.

- Robson, Duer C.: *See*—
Rayburn, Vincent A., and Robson.
- Robson, Homer L., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Purifying lithium hypochlorite. 2,443,168, June 8.
- Robson, Stanley, Bristol, England, assignor to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,457,551, Dec. 28.
- Robur Heel Company Aktiebolag, assignee: *See*—
Johansson, Gustaf E.
- Roby, Horace H., Wichita, Kans. Two position pitch-changing mechanism. 2,457,731, Dec. 28.
- Rochester Manufacturing Company, assignee: *See*—
Tollefsen, Reidar A., and Hunt.
- Rochester, Nathaniel, Milton, assignor to Sylvania Electric Products Inc., Salem, Mass. Power regulator. 2,438,486, Mar. 23.
- Rochester, Nathaniel, South Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube. 2,457,495, Dec. 28.
- Rocheville, Charles F., West Los Angeles, Calif. Combustion gas turbine. 2,439,695, Apr. 13.
- Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparing organo-silicon resin. 2,442,212, May 25.
- Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparing organogermanium halides. 2,444,270, June 29.
- Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparation of organohalogenosilanes. 2,447,873, Aug. 24.
- Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Dimethyl germanium dichloride. 2,451,871, Oct. 19.
- Rochowiak, Harold S., Detroit, Mich. Toy machine gun. 2,434,436, Jan. 13.
- Rock, Arthur F., assignor to General Dry Batteries, Inc., Lakewood, Ohio. Dry cell with sealing means. 2,444,616, July 6.
- Rockenfeller, Dewey E., Bryan, Ohio. Power unit. 2,443,803, June 22.
- Rockford Machine Tool Company, assignee: *See*—
Herrstrum, Rudolph E.
- Rockoff, Joseph, Dayton, Ohio, assignor to The Dayton Rubber Company. Top spinning roller. 2,437,362, Mar. 9.
- Rockola, David C., and I. Gil, assignors, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographic apparatus. 2,437,557, Mar. 9.
- Rock-Ola Manufacturing Corporation, assignee: *See*—
Rockola, David C., and Gil.
- Toolan, John J.
- Rockwell, Albert M., Glastonbury, and A. H. Beaufre, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Impeller mounting. 2,438,866, Mar. 30.
- Rockwell, Albert M., Glastonbury, and A. H. Beaufre, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Assembling shrouds on impellers. 2,438,867, Mar. 30.
- Rockwell-Barnes Company, assignee: *See*—
Jones, Charles E.
- Rockwell, Edward A., Forest Hills, N. Y., assignor to The New Britain Machine Company, New Britain, Conn. Power system. 2,434,588, Jan. 13.
- Rockwell, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Electrical hydraulic power unit. 2,443,642, June 22.
- Rockwell, Edward A., Cleveland, Ohio. Braking means for connected vehicles. 2,445,456, July 20.
- Rockwell, Edward A., West Hartford, Conn. Pressure fluid operated pressure intensifying mechanism. 2,448,464, Aug. 31.
- Rockwell, Edward A., Cleveland, Ohio. Pressure fluid follow-up servomotor. 2,448,465, Aug. 31.
- Rockwell, Edward A., Cleveland, Ohio. Follow-up pressure fluid servomotor. 2,448,466, Aug. 31.
- Rockwell, Edward A., Cleveland, Ohio, assignor by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Power intensifier two stage uniform flow. 2,448,467, Aug. 31.
- Rockwell, Edward A., Cleveland, Ohio. Hydraulic latch control mechanism. 2,457,732, Dec. 28.
- Rockwell, Harvey W., assignor to La Plant-Choate Mfg. Co. Inc., Cedar Rapids, Iowa. Piston pump. 2,453,266, Nov. 9.
- Rockwell, Lyle C., Elgin, assignor to Acme Visible Records, Inc., Chicago, Ill. Sheet metal cabinet construction. 2,443,515, June 15.
- Rockwell, Lyle C., Elgin, assignor to Acme Visible Records, Inc., Chicago, Ill. Cabinet door hinge. 2,443,516, June 15.
- Rockwell, Lyle C., Elgin, assignor to Acme Visible Records, Inc., Chicago, Ill. Sheet metal cabinet shelf support. 2,443,517, June 15.
- Rockwell Manufacturing Company, assignee: *See*—
Bergman, Charles P.
Johnson, Charles B.
Marsh, Walter H.
Mosco, John A.
Wiken, Christy A., and Reibig.
- Rockwell, Ronald J., Cincinnati, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Modulation system. 2,446,025, July 27.
- Rockwood, Charles B., West Allis, and D. J. Sikorra, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Resistance grid and assembling. 2,457,399, Dec. 28.
- Rockwood & Co., assignee: *See*—
Burbank, H. Russell, and Zenlea.
Rebman, Alfred.
- Rockwood, Edgar L., Berkeley, Calif. Precision radio remote control system. 2,437,558, Mar. 9.
- Rocky Mountain Metal Products Co., assignee: *See*—
Brusse, Archie B.
- Rodack, James, assignor to Robar Research, Inc., Detroit, Mich. Tray siphon and agitator. 2,455,523, Dec. 7.
- Rodack, James, and H. E. Bauer, Detroit, Mich. Photoprint washer. 2,438,648, Mar. 30.
- Roddenberry, Walter B., Jr., Marietta, Ga. Length gauge for crosscut saws. 2,434,472, Jan. 13.
- Rode, Frederick J., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Lubricating pump. 2,435,468, Feb. 3.
- Rode, Fredrich J., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Double-slide mechanism and double-action drawing press. 2,448,327, Aug. 31.
- Rodemann, Emmett P., Jamaica, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Self-synchronous system for reproducing motion or position. 2,453,815, Nov. 16.
- Rodgers, Howard C.: *See*—
Fairley, Frank E., Lindquist, Michaels, and Rodgers.
- Rodgers, Howard C., Birmingham, Ala., assignor to Tennessee Coal, Iron, and Railroad Company. Collector drum. 2,451,872, Oct. 19.
- Rodgers, Nelson E.: *See*—
Pollard, Henry L., Rodgers, and Meade.
- Rodgers, Nelson E., H. L. Pollard, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Preparing a vitamin concentrate. 2,449,144, Sept. 14.
- Rodgers, Reginald W., Winnipeg, Manitoba, Canada. Headlock wedge. 2,457,602, Dec. 28.
- Rodite, Victor J., Easton, Pa. Hair curler. 2,441,904, May 18.
- Rodman, Francis C., Garden City, and J. E. Engel, Tottenham, Staten Island, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Glue dispenser. 2,457,733, Dec. 28.
- Rodoni, Francis F.: *See*—
Pavesi, Louis, and Rodoni.
- Rodway, John, Lincoln, England. Reaction valve device for tractor-trailer brake operation. 2,442,020, May 25.
- Rodway, John, Lincoln, England. Rotary blower, compressor and exhaustor. 2,447,961, Aug. 24.
- Rodwick, Frank, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Ceramic heating plate construction. 2,445,086, July 13.
- Roe, Eloise T., et al., assignees: *See*—
Lord, Francis L.
- Roe, Justus, & Sons, assignee: *See*—
Mortimer, Frank J.
- Roebuck, Chester B., Jr.: *See*—
Hare, Willis G., and Roebuck.
- Roebuck, John R., Madison, Wis. Process and apparatus for heating by centrifugal compression. 2,451,873, Oct. 19.
- Ro-Ed Engineering Co., Inc., The, assignee: *See*—
Guerchoux, Charles S.
- Roedel, George F.: *See*—
Marsden, James, and Roedel.
- Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified polymers of open chain monoethylenically unsaturated compounds having a terminal methylene group. 2,434,054, Jan. 6.
- Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azines as olefin polymerization catalysts. 2,439,528, Apr. 13.
- Roeder, Dale, and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Transmission operating device and interlock. 2,438,455, Mar. 23.
- Roeder, Walter G., Scarsdale, N. Y., assignor to Republic Aviation Corporation. Jig. 2,441,208, May 11.
- Roediger, Joseph C.: *See*—
Holmes, August, and Roediger.
- Roehl, Edward J.: *See*—
Wesley, Andrew, and Roehl.
- Roehner, Theodore G., Mount Vernon, and G. W. Murray, Pleasantville, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,441,720, May 18.
- Roehr, Zbislav M., assignor to The Roberts Manufacturing Co., New York, N. Y. Producing aerosols. 2,440,915, May 4.
- Roelen, Otto, and W. Felsst, Oberhausen-Holten, Germany, vested in the Attorney General of the United States. Preparing catalysts for benzine synthesis. 2,447,029, Aug. 17.
- Roenigk, Ray J., Jr.: *See*—
Krobath, Vincent J., Jr., and Roenigk.
- Roensch, Max M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Diesel engine. 2,442,664, June 1.
- Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing device. 2,454,093, Nov. 16.

- Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Device for splicing cable. 2,456,149, Dec. 14.
- Roessner, William L., Denver, Colo. Insecticide dispenser. 2,456,324, Dec. 14.
- Roethel Engineering Corporation, assignee: *See*—
- Roethel, John H., Detroit, Mich. Door lock. 2,445,187, July 13.
- Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide for vehicle bodies. 2,447,990, Aug. 24.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Locking mechanism. 2,450,357, Sept. 28.
- Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Controlling chemical reactions. 2,437,334, Mar. 9.
- Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Dehydrogenation of hydrocarbons. 2,440,525, Apr. 27.
- Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Multiple stage regeneration of spent catalysts. 2,449,622, Sept. 21.
- Roetting, Arthur J., assignor to Wire Machinery Corporation of America, Inc., New Haven, Conn. Wire-stranding machine. 2,457,402, Dec. 28.
- Roff, Edmund L., Chicago, and H. B. Wantland, Evanston, Ill., assignors to Carnegie-Illinois Steel Corporation. Welded steel articles and making same. 2,443,932, June 22.
- Roger, Henry, Sandy Hook, Conn., assignor to Floor-O-Matic, Inc., New York, N. Y. Picture projector and viewer. 2,430,987, Apr. 20.
- Rogers, Anthony A., assignee, et al.: *See*—
- Holmes, Louis W.
- Rogers, Charles J., Jr., River Forest, and J. Bright, Elmhurst, assignors to Crown Stove Works, Cicero, Ill. Stove construction having top section securing means. 2,434,811, Jan. 20.
- Rogers, Cleveland S., Farmingdale, N. J. Double trigger safety for guns. 2,436,267, Feb. 17.
- Rogers, Clifford R., Oak Park, W. O. Bechman, Chicago, and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Lubricant cooling radiator for rear engine vehicles. 2,435,513, Feb. 3.
- Rogers, Dilworth T.: *See*—
- McNab, John G., and Rogers.
- Winning, Carl, and Rogers.
- Rogers, Dilworth T., Summit, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Sulfurized esters of oxalic acid. 2,447,619, Aug. 24.
- Rogers, Earl B., Cleveland, Ohio. Gun sight. 2,445,087, July 13.
- Rogers, Elizabeth H. H., Toronto, Ontario, Canada. Safety gown. 2,439,101, Apr. 6.
- Rogers, Frank, Estancia, N. Mex. Water bag bracket. 2,447,771, Aug. 24.
- Rogers, Frank L.: *See*—
- Jameson, William L., and Rogers.
- Rogers, George D., Buffalo, Mo. Expanding hydraulic rivets by increments of internal pressure. 2,445,803, July 27.
- Rogers, George T., Lake Forest, Ill. Bookholder. 2,439,950, Apr. 20.
- Rogers, George V., Waterford, Conn. Lathe chuck. 2,449,751, Sept. 21.
- Rogers, Herbert M., Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio. Electrical connector. 2,440,876, May 4.
- Rogers, James F., Rocky River, Ohio. Lighter. 2,449,414, Sept. 14.
- Rogers, Jesse J., Duluth, Minn. Combined illuminating and radiating type heater. 2,452,210, Oct. 26.
- Rogers, John C., and R. Sims, New Orleans, La. Household trash can. 2,456,840, Dec. 21.
- Rogers, John W.: *See*—
- McKelvey, John H., and Rogers.
- Rogers, Leonard M., Mendon, assignor to Draper Corporation, Hopedale, Mass. Loom stop motion. 2,437,406, Mar. 9.
- Rogers, Linnaeus J., assignor to Associated Chemical Company of Canada, Limited, Toronto, Ontario, Canada. Coloring metal surfaces. 2,437,441, Mar. 9.
- Rogers, Lloyd: *See*—
- Behring, Charles F., and Rogers.
- Rogers, Malone L., Portsmouth, Va. Heating and brazing torch. 2,444,850, July 6.
- Rogers, Malone L., Portsmouth, Va. Heating and brazing torch. 2,444,851, July 6.
- Rogers, Maurice A. T.: *See*—
- Goodings, Eric P., and Rogers.
- Rogers, Melville F., Ottawa, Ontario, Canada. Shirt collar. 2,447,431, Aug. 17.
- Rogers, Thomas H., New Canaan, and W. W. Fengler, Glenbrook, assignors to Machlett Laboratories Incorporated, Springdale, Conn. X-ray apparatus. 2,454,525, Nov. 23.
- Rogers, Thomas H., Jr., and R. D. Vickers, assignors to Wingfoot Corporation, Akron, Ohio. Thermosetting vinyl chloride-vinylidene chloride copolymer compositions. 2,438,097, Mar. 16.
- Rogers, Thomas H., Jr., and R. D. Vickers, assignors to Wingfoot Corporation, Akron, Ohio. Thermosetting vinyl chloride-containing plastics. 2,446,984, Aug. 10.
- Rogers, Thomas H., Jr., Akron, Ohio, and R. D. Vickers, New Rochelle, N. Y., assignors to Wingfoot Corporation, Akron, Ohio. Modifying vinyl chloride-vinylidene chloride copolymers with phenol formaldehyde resins. 2,454,209, Nov. 16.
- Rogers, Walter E.: *See*—
- Nye, Norman H., and Rogers.
- Rogers, William E.: *See*—
- Livingstone, Harry, and Rogers.
- Rogers, William H., Jr.: *See*—
- Gilbert, Alfred G., and Rogers.
- Rogoff, Abraham M., assignee: *See*—
- Erllich, Saul L.
- Rogoff, Abraham M., Boston, assignor of one-half to S. L. Erllich, Malden, Mass. Open-back type shoe construction. 2,442,511, June 1.
- Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Separable connector. 2,449,251, Sept. 14.
- Rogow, Sydney, New York, N. Y. Apparatus for feeding fuel cables to furnaces. 2,438,375, Mar. 23.
- Rohde, Meredith E., Aurora, Colo. Pivoted hand tool for removing dents in sheet metal. 2,435,726, Feb. 10.
- Rohdin, Howard A., Glen Ridge, assignor to Packaging Industries, Inc., Montclair, N. J. Method and apparatus for heat sealing shrinkable films. 2,441,940, May 18.
- Rohdin, Howard A., Glen Ridge, assignor to Packaging Industries, Inc., Montclair, N. J. Bag and making same. 2,442,936, June 8.
- Rohr, Harrison, La Crescenta, Calif. Holder for individual stencils and the like. 2,451,775, Oct. 19.
- Rohm Manufacturing Company, Inc., assignee: *See*—
- Sarver, Emmett F.
- Rohm, Fredric G., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Carburetor airbox. 2,443,326, June 15.
- Rohm & Haas Company, assignee: *See*—
- Beavers, Ellington M.
- Bock, Louis H., and Houk.
- Bock, Louis H., and Rainey.
- Bortnick, Newman M.
- Bruson, Herman A., and Niederhauser.
- Butterbaugh, Darrel J., and Spence.
- Croxall, Willard J., and Neher.
- Glavis, Frank J., and Neher.
- Hester, William F.
- Hester, William F., and Craig.
- Heuberger, John W.
- Hurd, Loren C., Vander Weyden, and Stroupe.
- Kroeker, Edwin H., and Croxall.
- Neher, Harry T., and Bauer.
- Neher, Harry T., and Glavis.
- Rowland, Stanley P.
- Spence, Le Roy U., Butterbaugh, and Kundiger.
- Rohr, Charles B., Alum Bridge, W. Va. Sphygmomanometers. 2,437,861, Mar. 16.
- Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Spectacle lens mounting. 2,436,606, Feb. 24.
- Rohrer, Frederick F., Jr., Philadelphia, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,438,683, Mar. 30.
- Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Aldehyde derivatives of 2-aminoalkanes. 2,455,193, Nov. 30.
- Roland, John: *See*—
- Schwitzer, Louis, and Roland.
- Roland, John R.: *See*—
- Hanford, William E., and Roland.
- Roland, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene-polyhaloethylene reaction products. 2,438,021, Mar. 16.
- Roles, Duane, Toledo, Oreg. Mixer. 2,434,812, Jan. 20.
- Rollason, Ernest C., Waltham Abbey, and E. H. S. van Someren, Broxbourne, England, assignors to Metal & Thermit Corporation. Silicone resins for weld coatings. 2,452,493, Oct. 26.
- Rolle, Clifford J.: *See*—
- Gessler, Albert E., Rolle, and Tuttle.
- Rollefson, Karl E., Evanston, assignor to The Muter Company, Chicago, Ill. Airplane engine ice indicator. 2,446,885, Aug. 10.
- Rollhaus, Philip E., Scarsdale, N. Y., assignor to The United Gas Improvement Company. Rubber composition. 2,436,332, Feb. 17.
- Rollins, Jackson H.: *See*—
- Coutchure, Wencil L., and Rollins.
- Roll-On Grill, Inc., assignee: *See*—
- Rone, Charles C.
- Rolls-Royce Limited, assignee: *See*—
- Eyre, Donald.
- Griffith, Alan A., and Eyre.
- Rom, Palmer W., Cudahy, Wis. Culinary oven with heat diverting means. 2,454,571, Nov. 23.
- Romagnoli, Alfred, assignee: *See*—
- Frank, Carol.
- Roman, Charles, Miami, Fla. Machine for forming artificial board. 2,441,169, May 11.

- Roman, Charles, Miami, Fla. Composite wood product. 2,446,804, Aug. 3.
- Roman, Emanuel, Wheeling, W. Va. Automatic gate. 2,442,937, June 8.
- Romano, Pasquale, Norwalk, Conn. Line tightener and fastener. 2,450,358, Sept. 28.
- Romanow, Frank F.: *See*—
Black, Robert, Jr.
- Romansky, Monroe J., Silver Spring, Md. Preparations for penicillin therapy. 2,443,778, June 22.
- Romec Pump Company, assignee: *See*—
Aspelin, Leslie L.
Cardillo, Joseph S.
- Romine, Hugh E.: *See*—
Eckel, Joseph C., and Romine.
- Rominski, James A., Chicago, Ill. Gaff weigh hook. 2,446,720, Aug. 10.
- Rommel, Anton F., Tacoma, Wash. Roaster. 2,450,563, Oct. 5.
- Ronay, Bela, Annapolis, Md. Coreless induction heater and making same. 2,457,179, Dec. 28.
- Ronay, Bela, and C. D. Jensen, Annapolis, Md. Brazing steel shaft and flange assemblies. 2,440,298, Apr. 27.
- Ronci, Victor L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,442,378, June 1.
- Ronci, Victor L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupled cavity resonator. 2,447,537, Aug. 24.
- Ronc, Charles C., Lakeland, Fla., assignor to Roll-On Grill, Inc. Hamburger grill. 2,453,385, Nov. 9.
- Roney, Edward A., Oakland, Calif. Metal filter for coffee dispensers. 2,442,096, May 25.
- Ronfeldt, Henry C., assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio. Engine rocker arm. 2,444,374, June 29.
- Ronning, Henry O.: *See*—
Guyer, Reynolds, and Ronning.
- Ronning, Martin, St. Louis Park, assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Power transmission coupling. 2,448,278, Aug. 31.
- Ronning, Martin, St. Louis Park, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Harvester platform adjusting means. 2,452,153, Oct. 26.
- Ronning, Martin, St. Louis Park, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Combine. 2,455,905, Dec. 7.
- Ronning, Martin, St. Louis Park, and K. M. Keith, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Crop gathering mechanism for combines. 2,455,906, Dec. 7.
- Ronson Art Metal Works, Inc., assignee: *See*—
Harris, Alexander.
Nissen, Warren I.
- Rood, Clifford T., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Solid water-repellency composition. 2,456,595, Dec. 14.
- Roofing Machinery Mfg. Company, assignee: *See*—
Knoble, Jack R.
- Rooney, Alice G., administratrix, assignee: *See*—
Rooney, Frank.
- Rooney, Frank, deceased, by A. G. Rooney, administratrix, Fargo, N. Dak., assignor by decree of court, to A. G. Rooney. Device for tiltably mounting circular saw blades upon an arbor. 2,441,976, May 25.
- Rooney, James H.: *See*—
Dreyfus, Henry, Rooney, and Shaw.
- Rooney, James H., J. H. Sharpshouse, and P. R. Hawtin, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Process of forming polyvinyl formal coatings on textiles. 2,452,152, Oct. 26.
- Roop, Elston A., Louisville, Ky., assignor to J. E. Duncan, Detroit, Mich. Pipe and tube shearing mechanism. 2,435,469, Feb. 3.
- Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Apparatus for flushing foreign matter from bearings. 2,439,187, Apr. 6.
- Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automotive vehicle. 2,457,400, Dec. 28.
- Root, Carl H., Detroit, Mich. Hanger bracket for faucets. 2,446,142, July 27.
- Root, Charles S., Bridgeport, Conn., assignor to General Electric Company. Radio echo apparatus. 2,446,850, Aug. 10.
- Root, Charles W., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Starting and ignition system. 2,450,524, Oct. 5.
- Root, John J., New York, N. Y. Grinding piezoelectric crystals. 2,440,348, Apr. 27.
- Root, John J., New York, N. Y. Reactor. 2,445,408, July 20.
- Root, John J., New York, N. Y. Remote control system. 2,453,386, Nov. 9.
- Root, Nathan, Grand Rapids, Mich. Fur fumigating and cleaning apparatus. 2,436,333, Feb. 17.
- Root, Ralph R., Lakewood, Ohio, assignor, by mesne assignments, to Naco Manufacturing Company, Huntington Park, Calif. Dusting device. 2,443,584, June 15.
- Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch operating mechanism. 2,453,344, Nov. 9.
- Roovers, Wilhelmus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,454,572, Nov. 23.
- Roper, Charles G., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Air volume controller. 2,439,673, Apr. 13.
- Roper, Edwin E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Determination of hydrocarbon concentration in soil samples. 2,437,045, Mar. 2.
- Roper, Geo. D., Corporation, assignee: *See*—
Baysinger, Royal D., and Fulton.
Whitehead, Grover F.
- Roper, John M., Washington, D. C., and M. K. Laufer, Chevy Chase, Md. Instrument lighting. 2,455,951, Dec. 14.
- Roper, Richard F., Washington, D. C. Air conditioning apparatus. 2,447,278, Aug. 17.
- Rope-Soles, Inc., assignee: *See*—
Barton, Richard E.
- Rorden, Henry C., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Propeller. 2,435,604, Feb. 10.
- Rorick, Paul C.: *See*—
Curtis, Alfred F., and Rorick.
- Rosa, Anthony G., Lyndhurst, N. J. Electrical terminal connector. 2,447,874, Aug. 24.
- Rosa, Leonard J., Detroit, Mich. Push rod. 2,434,080, Jan. 6.
- Rosales, Joseph G., assignor to The Garrett Corporation, Los Angeles, Calif. Tube flattening means. 2,443,432, June 15.
- Rosan, Joseph, North Hollywood, Calif. Insert and use of same. 2,444,145, June 29.
- Rosan, Joseph, North Hollywood, Calif. Fluid seal for inserts. 2,452,262, Oct. 26.
- Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid burner safety control apparatus with ignition timing. 2,440,700, May 4.
- Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flame electrode control device. 2,443,497, Aug. 31.
- Rosdahl, Karl-Gustaf, assignor to Aktiebolaget Ferrosan, Malmo, Sweden. Producing a 4-amino salicylic acid. 2,445,242, July 13.
- Rose, Albert: *See*—
Iams, Harley, Rose, and Krieger.
- Rose, Alfred G., Gainsborough, and K. H. Nicholls, Freshford, England. Pilot operated hydraulic valve and dither mechanism therefor. 2,455,315, Nov. 30.
- Rose Brothers (Gainsborough) Limited, assignee: *See*—
Gilbert, Joseph A.
Kay, James A.
- Rose, Charles F. P., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplex switch with leakage compensation. 2,448,623, Sept. 7.
- Rose, Francis E., Drexel Hill, Pa. Fire escape. 2,452,324, Oct. 26.
- Rose, Francis L.: *See*—
Curd, Francis H. S., Hall, Owen, Rose, and Tuey.
Curd, Francis H. S., Ralson, and Rose.
- Rose, Frank W., and F. W. Steuber, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion by contact with active catalyst and inert solid heat carrying material. 2,441,170, May 11.
- Rose, Frank W., Jr., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Cyclic sulfones of conjugated dienes. 2,448,053, Aug. 31.
- Rose, Herbert A.: *See*—
Boyer, John L., and Rose.
Cox, Joseph H., Colaiaco, and Rose.
- Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sectionalized variable-speed drive. 2,442,021, May 25.
- Rose, Herbert E., New Castle, assignor to All American Aviation, Inc., Wilmington, Del. Treatment of synthetic plastic fibers. 2,441,209, May 11.
- Rose, Howard E., Normandy, Mo., assignor, by mesne assignments, to Kearsfoot Company, Inc., New York, N. Y. Hydraulic windshield wiper. 2,446,611; Aug. 10.
- Rose, James, assignor to L. Rose, Davenport, Iowa. Kitchen cabinet. 2,437,665, Mar. 9.
- Rose, Jay, New York, N. Y. Rotor for synchronous electric motors. 2,437,922, Mar. 16.
- Rose, Laurence, Washington, D. C. Connecting rod assemblage. 2,437,895, Mar. 16.
- Rose, Luella, assignee: *See*—
Rose, James.
- Rose, Paul R.: *See*—
Walter, Harold J., and Rose.
- Rose, Paul R., East Orange, N. J., assignor to Uxbridge Worsted Co., Inc., Uxbridge, Mass. Warp drier with automatic control means. 2,441,148, May 25.
- Rose, William G., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Esters of diacyl-glycerophosphoric acids. 2,447,715, Aug. 24.
- Rose, William H., Jersey City, N. J.; Hudson County National Bank, executor of said W. H. Rose, deceased. Compressible powder dispenser. 2,450,205, Sept. 28.

- Rosefield, John B., Piedmont, Calif. Ant feeder. 2,451,578, Oct. 19.
- Rosefield, Joseph L.: *See*—
Avera, Fitzhugh L., and Rosefield.
- Rosel, Ralph R., Fresno, Calif. Vertical adjustment device for earth-working tools. 2,440,759, May 4.
- Roselle, Walter A., New York, N. Y. Container. 2,456,735, Dec. 21.
- Rosemeyer, Charles E., Seattle, Wash. Sanding device. 2,438,977, Apr. 6.
- Rosen, Carl G. A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Oil accumulation drain means for radial engines. 2,440,488, Apr. 27.
- Rosen, Harry, Drexel Hill, assignor to Wyeth Incorporated, Philadelphia, Pa. Extraction and isolation of digitoxin. 2,449,673, Sept. 21.
- Rosen, Henri E., Brookline, Mass. Child's boot. 2,438,978, Apr. 6.
- Rosen, Isidore S.: *See*—
Raiff, Andrew, Robbins, S. S. and V. G., and Rosen.
- Rosen, Oscar E., Detroit, Mich., assignor to The Lodge and Shipley Company, Cincinnati, Ohio. Tracer control cutter or grinder. 2,445,971, July 27.
- Rosen, Raphael: *See*—
Zimmer, John C., and Rosen.
- Rosen, Raphael, Elizabeth, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Dehydrating aqueous mixtures. 2,440,489, Apr. 27.
- Rosenbalm, Isaac L., Inglewood, Calif. Tennis racket. 2,456,023, Dec. 14.
- Rosenberg, Edward F.: *See*—
Kantor, James, and Rosenberg.
- Rosenberg, Hans R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nicotinamide. 2,446,957, Aug. 10.
- Rosenberg, Hans R., and W. W. Woessner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable provitamin D composition. 2,434,015, Jan. 6.
- Rosenberg, Leon J., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,434,014, Jan. 6.
- Rosenberg, William G.: *See*—
Christensen, Stig, Rosenberg, and Swift.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Measuring instrument. 2,436,451, Feb. 24.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Pressure transmitting instrument. 2,454,946, Nov. 30.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Fluid seal. 2,457,320, Dec. 28.
- Rosenberger, Clyde G., Fort Wayne, Ind. Rotating game pointer. 2,454,479, Nov. 23.
- Rosenblatt, Pauline E., Cleveland, Ohio. Chafe pantie. 2,440,021, Apr. 20.
- Rosenblatt, Pauline E., Cleveland, Ohio. Maternity pantie. 2,447,875, Aug. 24.
- Rosenblum, Robert A., assignor to The Dole Valve Company, Chicago, Ill. Flow control device. 2,444,677, July 6.
- Rosenblum, Solomon, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Carrier for radioactive material and making the same. 2,442,617, June 1.
- Rosenblum, Solomon, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Indicating device. 2,451,979, Oct. 19.
- Rosenburg, Louis T.: *See*—
Kapp, Roland, Pickel, and Rosenberg.
- Pickel, Frank D., and Rosenberg.
- Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Modulation. 2,450,445, Oct. 5.
- Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonator apparatus. 2,451,240, Oct. 12.
- Rosendale, Robert W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article support. 2,436,019, Feb. 17.
- Rosene, Frank G., Pittsburgh, Pa. Nonskid device. 2,454,407, Nov. 23.
- Rosenfeld, Abraham L.: *See*—
Apar, Charles W., and Rosenfeld.
- Rosenfeld, Anton, New York, N. Y. Cardcase. 2,447,279, Aug. 17.
- Rosengren, Orvar E., Hamden, Conn. Barrel lock. 2,455,608, Dec. 7.
- Rosenlof, Sven H., Newark, N. J., assignor to American Can Company, New York, N. Y. Type locking means for marking mechanism. 2,447,030, Aug. 17.
- Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. High vacuum pump. 2,435,548, Feb. 3.
- Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Machine for mechanically working materials. 2,452,211, Oct. 26.
- Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Apparatus for dispensing liquid fuel. 2,453,695, Nov. 9.
- Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Electron discharge device for producing electric oscillations. 2,454,094, Nov. 16.
- Rosenthal, Alice M., Newport, R. I. Hairpin receptacle. 2,436,607, Feb. 24.
- Rosenthal, Fritz, Bellmawr, N. J., assignor to Radio Corporation of America. Preparation of silver foil. 2,439,489, Apr. 13.
- Rosenthal, Lawrence L., Los Angeles, and R. B. Spencer, Huntington Park, assignors to Technical Glass Company, Los Angeles, Calif. Door latch. 2,454,672, Nov. 23.
- Rosenthal, William C.: *See*—
Hitchcock, Rex B., and Rosenthal.
- Rosentreter, Ernest W., De Witt, N. Y., assignor to General Electric Company. Shielded volume control and switch. 2,451,241, Oct. 12.
- Rosenwald, Robert H.: *See*—
Chenicek, Joseph A., and Rosenwald.
- Rosing, Theodore F., Whitefish Bay, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic timing relay. 2,437,756, Mar. 16.
- Rosmait, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Papermaking apparatus. 2,440,727, May 4.
- Rosmait, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Valve. 2,449,145, Sept. 14.
- Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Foundation garment. 2,437,654, Mar. 9.
- Rosner, Irving, Forest Hills, assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,437,655, Mar. 9.
- Ross, Adolph H., assignee: *See*—
Williams, Richard O.
- Ross, Albert K., Western Springs, assignor to Boyar-Schultz Corporation, Chicago, Ill. Knurling tool. 2,436,975, Mar. 2.
- Ross, Andrew F., assignor to Safety Steering Stabilizer Company, Pittsburgh, Pa. Steering stabilizer. 2,448,468, Aug. 31.
- Ross Carrier Company, The, assignee: *See*—
Repke, Edward P.
- Ross, Clark F., assignee: *See*—
Sneckner, Harold A.
- Ross, Donald A. G., West Vancouver, British Columbia, Canada. Bollard. 2,439,988, Apr. 20.
- Ross, Donald S., Moclips, Wash. Pin anchored electric outlet and switch. 2,448,832, Sept. 7.
- Ross, Elliott F., Forest Hills, and H. S. Marsh, Great Neck, assignors, by mesne assignments, to Ford Instrument Company, Inc., Long Island City, N. Y. Director firing system. 2,451,357, Oct. 12.
- Ross, Frank D., assignee: *See*—
Malone, Homer F.
- Ross Gear & Tool Co., assignee: *See*—
Creson, William K.
- Davis, Francis H., Emerson, and Newman.
- Ross Gear & Tool Company, assignee: *See*—
Creson, William K., and Jordan.
- Ross, Harold E., Kettle Falls, Wash. Triple sealed icebox door. 2,457,496, Dec. 23.
- Ross, George A., Jr., Lynn, Mass. Short leg fitter. 2,441,511, May 11.
- Ross, James H.: *See*—
Schuessler, Robert W., and Ross.
- Ross, John: *See*—
Gebhart, Arthur I., and Ross.
- Keim, Gerald I., Ross, and Percy.
- Malkemus, John D., Ross, and Potter.
- Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilizing fatty materials containing oleic acid and higher polyunsaturated fatty acids. 2,435,159, Jan. 27.
- Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Bromination of unsaturated organic compounds. 2,448,739, Sept. 7.
- Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Bromination. 2,452,154, Oct. 26.
- Ross, John, D. J. Potter, and S. Yolles, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing organic sulphonic derivatives. 2,434,746, Jan. 20.
- Ross, Lee A., Lebanon, Pa. Portable visual indicator for machine-shop work setups. 2,435,514, Feb. 3.
- Ross, Matthew, Rego Park, assignor to Hi-Seat Corporation, New York, N. Y. Meat testing fork. 2,446,956, Aug. 10.
- Ross, Oakland K.: *See*—
Tomkins, Walter M., Larkin, Anthony, Ross, and Mero.
- Ross, Paul M.: *See*—
Taylor, John J., and Ross.
- Ross, Paul D., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,442,213, May 25.
- Ross, Robert M., Katonah, N. Y. Receptacle closure. 2,456,448, Dec. 14.
- Ross, Samuel L., New Brunswick, N. J., assignor to Johnson & Johnson. Strand testing. 2,457,276, Dec. 28.
- Ross, Thomas N., near Seattle, Wash. Cathode-ray tube. 2,449,752, Sept. 21.

- Ross, Wilbur N., Old Hickory, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rayon spinning funnel bracket. 2,440,976, May 4.
- Ross, William A., assignor to Weaver Manufacturing Company, Springfield, Ill. Load lifting appliance. 2,449,863, Sept. 21.
- Ross, William C., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Printing textiles with a powdered blanket. 2,434,013, Jan. 6.
- Ross, William C., and S. B. Nelley, Winchester, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Textile print blanket. 2,436,761, Feb. 24.
- Ross, William E.: *See—*
- Rapean, John C., and Ross.
- Ross, William E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Isomerization of paraffin hydrocarbons with fluid Friedel-Crafts catalyst and added dicyclic naphthenic hydrocarbons. 2,434,437, Jan. 13.
- Ross, William H., Phoenix, Ariz. Door chime control switch. 2,454,342, Nov. 23.
- Rossander, Swanie S., Holly Oak, and C. E. Sparks and C. W. Maynard, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye compositions stabilized with unsaturated carboxylic acids or salts. Re. 23,016, July 13.
- Rosser, Charles M., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Regenerated cellulosic pellicle. 2,436,181, Feb. 17.
- Rosser, Robert F., Miami, Fla. Form-securing clamp. 2,452,325, Oct. 26.
- Rosser, Theodore N., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit. 2,435,515, Feb. 3.
- Rossetter, Charles F., Los Angeles, Calif. Cabinet having means for moving compartments vertically and horizontally. 2,451,120, Oct. 12.
- Rossi, Irving, West Orange, N. J., and William Dubilier, New Rochelle, N. Y. Thermoplastic belt. 2,445,889, July 27.
- Rossi, Richard, San Francisco, Calif. Sandwich holder. 2,444,116, June 29.
- Rossier, John D.: *See—*
- Brown, Davis, and Rossier.
- Rossman, David, Long Beach, Calif. Air control device. 2,454,480, Nov. 23.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Direct-acting hydraulic shock absorber. 2,435,160, Jan. 27.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic shock absorber. 2,436,901, Mar. 2.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,445,407, July 20.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,456,736, Dec. 21.
- Rossmann, Peter F., Morristown, N. J. One-piece sucker rod. 2,453,038, Nov. 2.
- Rossmann, Peter F., Morristown, N. J. Prestressed sucker rod. 2,453,079, Nov. 2.
- Rossmann, Peter F., Morristown, N. J. Electromagnetic switching device. 2,453,267, Nov. 9.
- Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Device for locating and following of objects. 2,438,576, Mar. 30.
- Rostas, Ernest, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the cavity resonator type. 2,434,962, Jan. 27.
- Rostas, Ernest, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Tuner for cavity resonators. 2,444,066, June 29.
- Rostler, Fritz, and L. Bornstein, assignors to Wilmington Chemical Corporation, Wilmington, Del. Resin from phenol, formaldehyde, saturated and unsaturated hydrocarbons, and rosin. 2,439,824, Apr. 20.
- Rostler, Fritz S., Newark, and H. I. du Pont, Wilmington, Del., assignor to Wilmington Chemical Corporation, New York, N. Y. Compounding rubbery materials. 2,440,299, Apr. 27.
- Rostler, Fritz S., assignor to Wilmington Chemical Corporation, Wilmington, Del. Compounding synthetic rubber with sulfur containing mineral oil extract. 2,442,781, June 8.
- Rotary Machine Company, Inc., assignee: *See—*
- Christiansen, Christian.
- Rotax Limited, assignee: *See—*
- Arnot, Alfred R. E.
- Heal, Henry T.
- Roth, Alice, assignor to The Troy Sunshade Company, Troy, Ohio. Lounge chair. 2,454,408, Nov. 23.
- Roth, Arthur J., Detroit, Mich. Automobile towing device. 2,455,140, Nov. 30.
- Roth, Bert W., Riverdale, assignor to Trans-Lux Corporation, New York, N. Y. Electric circuit controller. 2,437,790, Mar. 16.
- Roth, Bert W., Riverdale, assignor to Trans-Lux Corporation, New York, N. Y. Selector. 2,438,825, Mar. 30.
- Roth, Bert W., Riverdale, assignor to Trans-Lux Corporation, New York, N. Y. Switching arrangement for selectors. 2,456,893, Dec. 21.
- Roth, Fred, Brooklyn, N. Y. Cigarette ejecting device. 2,448,914, Sept. 7.
- Roth, Grant V. W.: *See—*
- Saari, Frank E., and Roth.
- Roth, Jay M.: *See—*
- Campbell, John D., and Roth.
- Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump shaft seal. 2,434,589, Jan. 13.
- Roth, Jay M., Euclid, and J. A. Lauck, South Euclid, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump with unloading bushing. 2,437,791, Mar. 16.
- Rothwell, John J., Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Adjusting means for control devices. 2,453,861, Nov. 16.
- Roth, Joseph N., Belding, assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich. Absorption refrigeration system. 2,454,344, Nov. 23.
- Roth, Louis H., Forest Hills, assignor to Commanday-Roth Co., Inc., New York, N. Y. Foldable display device with triangular base. 2,449,911, Sept. 21.
- Roth, Robert D., Cleveland, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Adjustable brake band for slusher hoists. 2,435,754, Feb. 10.
- Roth, Robert I., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. Bipolar magnetic control record. 2,436,829, Mar. 2.
- Roth, Robert I., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. Commutator. 2,447,819, Aug. 24.
- Roth, Willard, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pot furnace. 2,445,457, July 20.
- Rothbardt, Adolph M., assignor to Statler Mfg. Co., Chicago, Ill. Miniature steering wheel. 2,446,721, Aug. 10.
- Rothblum, Benjamin, New York, N. Y. Pattern grading ruler. 2,450,769, Oct. 5.
- Rothen, Edward M., Bloomfield, N. J., assignor to Russell & Stoll Company, Inc., New York, N. Y. Pull point connection device. 2,452,494, Oct. 26.
- Rothenberger, George M., assignor to Whiting Corporation, Harvey, Ill. Brake mechanism for electric motors. 2,444,313, June 29.
- Rothenberg, Irving: *See—*
- Kaban, Simon, and Rothenberg.
- Rothe, William H., Irvington, N. J. Hairpin. 2,439,436, Apr. 13.
- Rothuchs, Oscar E., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Floor clip. 2,439,220, Apr. 6.
- Rothfus, Elmer A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear. 2,443,664, June 22.
- Rothman, Alex, Bronx, N. Y. Medicine dropper. 2,438,577, Mar. 30.
- Rothrock, David A., Jr., and R. F. Conyne, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Stabilization of polyesters. 2,437,046, Mar. 2.
- Rothrock, David A., Jr., and R. F. Conyne, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company. Stabilization of polyesters from dihydric alcohols and both saturated and unsaturated dicarboxylic acids. 2,437,232, Mar. 2.
- Rothrock, Henry S.: *See—*
- Cupery, Martin E., and Rothrock.
- Rothrock, Linville L., Thomasville, N. C. Sanding machine. 2,456,217, Dec. 14.
- Rothstein, Irving: *See—*
- Bogin, Samuel R., Rothstein, and Levy.
- Rothweiler, Charles O., Milwaukee, Wis. Indicator adjustment for sextants. 2,439,102, Apr. 6.
- Rothweiler, Charles O., Milwaukee, Wis. Leveling device. 2,440,211, Apr. 20.
- Rothweiler, Charles O., Milwaukee, Wis. Profiling device. 2,449,252, Sept. 14.
- Rotol Limited, assignee: *See—*
- Holberton, Bernard V.
- Milner, Harry L.
- Rotsler, George F., Los Angeles, Calif. Injection molding apparatus. 2,436,122, Feb. 17.
- Rotter, Lutwin C., Maplewood, A. P. Fox, University City, and C. H. Mueller, Ferguson, assignors to Lincoln Engineering Company, St. Louis, Mo. Pump for removal of lubricants from containers. 2,454,343, Nov. 23.
- Rottier, Frank, Lansing, assignor to Piowaty-Bergart Company, Chicago, Ill. Article impaling conveyor. 2,441,083, May 4.
- Rouan, Francis J., Stamford, and F. W. Uthenwoldt, Glenbrook, assignors to Pitney-Bowes, Inc., Stamford, Conn. Card stripping and feeding device. 2,456,449, Dec. 14.
- Rouault, Charles L., Schenectady, N. Y., assignor to General Electric Company. Beam antenna system. 2,446,436, Aug. 8.
- Rouault, George F.: *See—*
- Rhodes, Herbert D., Rouault, and White.
- Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Liner plate for jaw crushers. 2,453,596, Nov. 9.

- Rough, Rudolph W.: *See*—
Pugh, Cyril A., Booth, and Rough.
- Rounce, Ernest G.: *See*—
Lewis, Thomas M., Rounce, and Dunham.
- Rountree, John H., Plainfield, N. J., assignor to The Linde Air Products Company. Method of flame-cutting metal plates and forming shaped edges thereon. 2,443,710, June 22.
- Roundy, Zola D., and H. L. Keil, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Making cheese. 2,450,814, Oct. 5.
- Rourke, Raymond: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin.
- Rouse, Ardie A., Orange, Tex. Magazine razor blade holder. 2,437,862, Mar. 16.
- Rouse, Glenn F., Long Branch, N. J. Cathode. 2,456,649, Dec. 21.
- Rouse, Glenn F.: *See*—
Zahl, Harold A., Rouse, and Gorham.
- Rousseau, Edward, Jewett City, Conn. Dual combustion system for combustion tube burners. 2,447,211, Aug. 17.
- Rousseau, Leo J., Grosse Pointe Park, assignor, by mesne assignments, to Minit-Man, Inc., Detroit, Mich. Drier for motor vehicle washing and cleaning apparatus. 2,440,157, Apr. 20.
- Rousseau, Leo J., Grosse Pointe, assignor, by mesne assignments, to Minit-Man, Inc., Detroit, Mich. Motor vehicle drying apparatus. 2,448,834, Sept. 7.
- Rouso, Jacques, Los Angeles, Calif. Multiple towel holder and dispenser. 2,445,495, July 20.
- Rouy, Auguste L. M. A., New York, N. Y., assignor to L. L. H. Company, Erie, Pa., a partnership comprising H. C. and T. Lord, and B. M. Hartman. Electrometer vacuum tube. 2,446,553, Aug. 10.
- Routson, Willis G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibiting composition. 2,451,874, Oct. 19.
- Rouy, Auguste L. M. A., New York, N. Y., assignor to L. L. H. Company, Erie, Pa., a partnership comprising H. C. and T. Lord, and B. M. Hartman. Electrometer vacuum tube. 2,446,554, Aug. 10.
- Rovick, John D., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Gear grinding fixture. 2,436,902, Mar. 2.
- Row, Stuart B., Roanoke, Va., and E. L. Woolley, Morton, Pa., assignors to American Viscose Corporation, Wilmington, Del. Filtering apparatus. 2,453,345, Nov. 9.
- Rowe, Charles E., assignor of one-third to S. M. Wilson, Corydon, Ind. Method and apparatus for carbonating liquids used for drinking. 2,447,716, Aug. 24.
- Rowe, Daniel G., Jr.: *See*—
Wright, William C., Rowe, Jr., and Roberts.
- Rowe, Donald C., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Arresting hook. 2,454,257, Nov. 16.
- Rowe, Fred W., Seattle, Wash. Trawling winch. 2,447,280, Aug. 17.
- Rowe, Harry C., Jr.: *See*—
McGill, Chester T., and Rowe.
- Rowe, Henry A., assignor to Massachusetts Institute of Technology, Cambridge, Mass. Control apparatus and bracket therefor. 2,440,977, May 4.
- Rowe Industries, assignee: *See*—
De Armond, Harry.
- Rowe Manufacturing Co., Inc., assignee: *See*—
Gabielsen, Christian.
- Gabrielsen, Christian, and Nisenson.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,450,256, Sept. 28.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Clamp for electric fuses, etc. 2,452,019, Oct. 19.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,457,497, Dec. 28.
- Rowe, Robert F., Fort Wayne, Ind., assignor to General Electric Company. Fluorescent ballast bracket. 2,450,302, Sept. 28.
- Rowe, Robert G., assignor to The Carborundum Company, Niagara Falls, N. Y. High-frequency electric field heating. 2,436,732, Feb. 24.
- Rowe, Standish S., Cambridge, Mass. Strand guide. 2,434,227, Jan. 6.
- Rowe, Theodore S., assignee, et al.: *See*—
Nathan, Tracy D., Rowe, and Chamberlain.
- Rowell, Herman L., U. S. Army. Spray nozzle. 2,435,605, Feb. 10.
- Rowen, Irving, Bronx, assignor to Glen Jewelry Company, Inc., New York, N. Y. Clasp. 2,456,596, Dec. 14.
- Rowland, Ben W., and D. Frommuller, assignors to The Institute of Paper Chemistry, Appleton, Wis. Silk treatment. 2,439,221, Apr. 6.
- Rowland, Charles W., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Film-developing holder. 2,446,958, Aug. 10.
- Rowland, Davidge H., Brighton, assignor to The Porcelain Insulator Corporation, Lima, N. Y. Insulator and method of manufacturing same. 2,437,559, Mar. 9.
- Rowland, George P., Jr., Pottstown, Pa., and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of dichlorobutadiene resins. 2,445,739, July 20.
- Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange resins made by condensing a sulfolipthalein and formaldehyde. 2,453,687, Nov. 9.
- Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange resins prepared by condensing sulfolipthaleic anhydride and xylene. 2,456,085, Dec. 14.
- Rowland, Walter: *See*—
Jennings, William S., and Rowland.
- Martin, Kenneth P., and Rowland.
- Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Spray nozzle. 2,434,721, Jan. 20.
- Rowley, Harold N., Fort Pierce, Fla. Grinding apparatus with upper gyratory drive. 2,456,150, Dec. 14.
- Rowley, Robert D.: *See*—
Dreyfus, Camille, Rowley, and Thompson.
- Roxy, Frank C., Detroit, assignor to D. M. Schoonover and A. Franta, Van Dyke, Mich. Bolster mechanism of the fifth wheel type. 2,436,485, Feb. 24.
- Roy, Albert E., Glendale, Calif. Pressure cylinder for hydraulic brakes. 2,456,325, Dec. 14.
- Roy, Albert E., Los Angeles, Calif. Compound master cylinder. 2,438,649, Mar. 30.
- Roy, Albert O.: *See*—
Hargreaves, Robert, and Roy.
- Roy, Edwin J., Baton Rouge, La. Drum lifting attachment for crane trucks. 2,448,124, Aug. 31.
- Roy, Emil, Webster, Mass. Automatic chuck. 2,453,642, Nov. 9.
- Royal, James M.: *See*—
Freund, Robert R., Royal, and Schoelkopf.
- Royal, Leslie L., assignor to Belmont Radio Corporation, Chicago, Ill. Control apparatus for radio receivers. 2,450,918, Oct. 12.
- Royal, Leslie L., assignor to Belmont Radio Corporation, Chicago, Ill. Tuning control apparatus. 2,453,268, Nov. 9.
- Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A., and Horlick.
- Royal Typewriter Company, Inc., assignee: *See*—
Collins, David H.
- Davis, Arthur E.
- Myers, Lewis C.
- Myers, Lewis C., and Graepel.
- Royer, George L.: *See*—
Millson, Henry E., and Royer.
- Royer, George L., North Plainfield, and C. A. Amick, Bound Brook, N. J. assignors to American Cyanamid Company, New York, N. Y. Metachrome dyeing with a colloiddized cationic agent. 2,434,178, Jan. 6.
- Royer, Marcel, St. Eustache sur le Lac, Quebec, Canada. Apparatus for mounting a roller in a cavity in a member. 2,448,833, Sept. 7.
- Roys, Carl S., West Chicago, assignor to Nader Engineering Company, Chicago, Ill. Alternating-current commutator dynamo-electric machine. 2,442,861, June 8.
- Royster, George W., Portsmouth, Va. Measuring device for towing winches. 2,445,972, July 27.
- Royston, George, Barnsley, England. Apparatus for drying and conditioning sulfate of ammonia and other granular and crystalline products. 2,444,406, June 29.
- Rozar, T. J., assignee: *See*—
Nelson, John J.
- Rozner, Joseph J., Chicago, Ill. Humidifier. 2,446,665, Aug. 10.
- Ruau, Félix F., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Gun counter-recoil assist mechanism. 2,444,852, July 6.
- Rubatex Products, Inc., assignee: *See*—
Bascom, Roger C.
- Rubber Stichting, assignee: *See*—
Koningsberger, Carel.
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,440,615, Apr. 27.
- Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,446,245, Aug. 3.
- Ruben, Samuel, assignee: *See*—
Scudder, Cleveland, Scudder, Jr., and Blumenthal.
- Smith, Cleveland S., Jr.
- Ruben, Zorro D., Chicago, Ill. Fluid power unit. 2,434,747, Jan. 20.
- Rubenstein Bros. Company, assignee: *See*—
Goldie, Hector E.
- Rubenstein, Jacob H., Buffalo, N. Y. Magnetometer. 2,442,732, June 1.
- Ruberoid Co., The, assignee: *See*—
Abraham, Herbert.
- Rubidge, David W., Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y. Automatic group control with coordinated sequence checking device. 2,442,987, June 8.
- Rubidge, David W., Chatham, N. J., C. R. Manning, Vestal, N. Y., J. B. Greene, New Brunswick, N. J., and J. D. Hood, Endwell, assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,445,636, July 20.
- Rubin, Benjamin, Philadelphia, Pa. Typewriter paper guide. 2,434,866, Jan. 20.

- Rubin, Leon, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase modulation. 2,437,047, Mar. 2.
- Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,448,279, Aug. 31.
- Rubin, Milton D., Mattapan, Mass. Producing predetermined metallic patterns. 2,443,119, June 8.
- Rubison, Clarence W., Fort Lauderdale, Fla. Reversible flow centrifugal pump. 2,442,512, June 1.
- Rubissow, George A., New York, N. Y. Method of and apparatus for casting. 2,442,550, June 1.
- Ruby, William, Fresno, Calif. Journal dresser. 2,446,026, July 27.
- Ruch, Eugene, Farmington, Mich. Tool holder. 2,439,635, Apr. 13.
- Ruckl, Alfonso B., McKeesport, Pa. Sandblast appliance. 2,443,148, June 8.
- Rudd, Harry B., Flushing, N. Y. Lock nut. 2,445,696, July 20.
- Rudd, Wallace C., Larchmont, assignor to Induction Heating Corp., New York, N. Y. Brazing metal joints protected by sodium silicate, by means of induction heating. 2,434,867, Jan. 20.
- Rudd, Wallace C., Larchmont, and R. J. Stanton, Brooklyn, assignors to Induction Heating Corp., New York, N. Y. Induction heating of rotatable blade assemblies and the like. 2,449,325, Sept. 14.
- Ruddock, William, deceased, South Pasadena, Calif.; B. E. Gigas, executor, assignor to H. V. Griffiths, L. E. Edwards, Jr., and P. Welein, as trustees. Material handling bucket. 2,442,571, June 1.
- Ruddy, E. L., Company, Limited, assignee: See—Denning, Stephen.
- Rüdenberg, Reinhold, Belmont, Mass. Cathode-ray deflection tube with electron lenses. 2,454,345, Nov. 23.
- Ruderfer, Martin, Brooklyn, assignor to Doeh Development Co., New York, N. Y. Electrically operated typewriter with constantly rotating type wheel. 2,446,851, Aug. 10.
- Rudoy, William, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control apparatus. 2,452,685, Nov. 2.
- Rue, Charles H., Fargo, N. Dak. Snatch block. 2,449,718, Sept. 21.
- Ruebel, Harry N., Berlin, Md. Renewable valve seat. 2,439,024, Apr. 6.
- Ruegg, Arthur E., Zurich, Switzerland. Machine for molding concrete units. 2,437,003, Mar. 2.
- Ruegg, Rudolf, assignor to Ciba Limited, Basel, Switzerland. Disazo dyestuffs. 2,452,263, Oct. 26.
- Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Pulverized fuel burning gas heater. 2,438,416, Mar. 23.
- Ruesch, Herman, Peoria, Ill. Mounting or receptacle and circuit breaker for tubes or lamps and their circuits. 2,447,365, Aug. 17.
- Ruf, Casper A., assignee: See—Settle, Samuel B.
- Ruffner, John, assignee, et al.: See—Edmondson, Joseph D.
- Rufus, Otto B., assignor to The Lathrop-Paulson Company, Chicago, Ill. Can treating device. 2,437,757, Mar. 16.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Condition responsive circuit for rotatable members. 2,434,438, Jan. 13.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Fluid pressure responsive apparatus. 2,442,938, June 8.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Load weighing device. 2,439,146, Apr. 6.
- Rugeley, Edward W.: See—Feild, Theophilus A., Jr., Rugeley, and Petrokubl.
- Rugg, Edward H.: See—Scott, Carl F., Carlson, and Rugg.
- Rugg, Herbert A.: See—Saari, Paul A., and Rugg.
- Rugieri, Ernest P., Philadelphia, Pa., assignor to Radio Corporation of America. Making phonograph pressing matrices. 2,444,314, June 29.
- Ruggles, Albert C.: See—Von Bramer, Harold, and Ruggles.
- Ruggles, Albert C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Deterioration inhibitors for a hydrocarbon motor fuel. 2,443,569, June 15.
- Rugles-Klingemann Mfg. Co., assignee: See—Kimball, James L., and Earley.
- Rugh, Harry O., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Printing telegraph system. 2,453,269, Nov. 9.
- Ruhl, George J.: See—Crossman, Fred, Southam, and Ruhl.
- Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Form for molding hollow concrete walls. 2,442,962, June 8.
- Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Form for molding concrete in situ. 2,447,670, Aug. 24.
- Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Mold for forming concrete walls in situ. 2,449,912, Sept. 21.
- Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of synthetic rubber latices. 2,446,107, July 27.
- Rummelsburg, Alfred L., New Castle, assignor to Hercules Powder Company, Wilmington, Del. Rosin derivatives. 2,437,481, Mar. 9.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene isomerization. 2,444,790, July 6.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Coating composition comprising a drying oil, a resin and an acyclic terpene solvent. 2,445,637, July 20.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Foundry core or mold and making same. 2,448,624, Sept. 7.
- Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Cantilever column assemblage for crushers. 2,436,608, Feb. 24.
- Rumpf, Robert J.: See—Notestein, Edison L., and Rumpf.
- Rumsby, George M., Toronto, Ontario, Canada. Lifting mechanism for dump bodies. 2,454,481, Nov. 23.
- Rumsey, Edward C., deceased, by L. G. Rumsey, executrix, Detroit, Mich., assignor to L. G. Rumsey. Nozzle holder. 2,449,719, Sept. 21.
- Rumsey, Edward C., deceased, Detroit, Mich.; L. G. Rumsey, executrix. Rotary flexible vane pump. 2,455,194, Nov. 30.
- Rumsey, Lillian G., assignee, executrix: See—Rumsey, Edward C.
- Rumsey, Lillian G., executrix: See—Rumsey, Edward C.
- Runcie, Walter O., Lima, Peru. Air pump attachment for sewing machines. 2,439,319, Apr. 6.
- Runde, Oliver F., Columbus, Ohio. Hydraulic transmission. 2,434,590, Jan. 13.
- Rundell, James E.: See—Leffler, Marlin T., and Rundell.
- Rundell, Raymond R., Miami, Fla. Universal all wire bracket. 2,456,535, Dec. 14.
- Rundell, Raymond R., Miami, Fla. Wedge type bracket. 2,443,149, June 8.
- Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Removable secondary cooling unit for refrigerator evaporators. 2,435,102, Jan. 27.
- Rundell, Theodore W., Abington, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet construction. 2,449,415, Sept. 14.
- Rundell, Theodore W., Abington, assignor to Philco Corporation, Philadelphia, Pa. Article supporting closure for cabinets. 2,453,387, Nov. 9.
- Rundle, Henry M., Moorestown, N. J., assignor to Radio Corporation of America. Projection device for television apparatus. 2,438,022, Mar. 16.
- Rundquist, Bennett C., assignor to The National Acme Company, Cleveland, Ohio. Oil centrifuge with plural concentric separating zones. 2,450,737, Oct. 5.
- Rundt, John W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Grinding machine with wheel dresser. 2,447,478, Aug. 17.
- Runge, Frank E.: See—Smith, Perry C., and Runge.
- Runge, Frank E., Haddon Heights, N. J., assignor to Radio Corporation of America. Assembly for electron microscopes. 2,445,243, July 13.
- Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Lighting fixture hinge. 2,440,186, Apr. 20.
- Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Wiring channel hanger. 2,455,141, Nov. 30.
- Runk, Robert H., Pittsburgh 21, and R. D. Jerabek, Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resin and members produced therefrom. 2,454,210, Nov. 16.
- Runke, Glenn R., Racine, assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,447,137, Aug. 17.
- Runkle, Lloyd D., Gloucester, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding forging pressure control. 2,452,070, Oct. 26.
- Runkle, Lorin R., assignor to The Studebaker Corporation, South Bend, Ind. Stud driving machine. 2,433,959, Jan. 6.
- Runnels, Garland D., Seattle, Wash. Powder applicator. 2,450,919, Oct. 12.
- Running, Nhe H., Minneapolis, Minn. Holder for game devices. 2,435,698, Feb. 10.
- Runyan, Jefferson T., Downey, Calif. Bumper. 2,438,578, Mar. 30.
- Runz, Frank H.: See—Golden, John V., and Runz.
- Rupertl, Andreas, Arlesheim near Basel, Switzerland, assignor to Ciba Limited. Making alkali cellulose. 2,447,914, Aug. 24.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Co., Indianapolis, Ind. Pneumatic gauging apparatus. 2,457,401, Dec. 28.
- Rupp, Earl V., Dayton, Ohio. Oxygen warning device. 2,450,440, Oct. 5.

- Rupp, Walter H., Mountainside, and C. T. Harding, Hillside, N. J., assignors to Standard Oil Development Company. Preparation of supported aluminum chloride catalysts. 2,456,326, Dec. 14.
- Ruppe, Peter B.: *See*—
Wyman, Thomas P., and Ruppe.
- Rüsch, Gustav O. K.: *See*—
Christiansen, Christian, and Rüsch.
- Ruscito, Anthony J., Unadilla, assignor to Bendix Aviation Corporation, New York, N. Y. Coil and mounting therefor. 2,447,366, Aug. 17.
- Rush, Harry A., Glendale, Calif. Liquid dosing apparatus. 2,447,031, Aug. 17.
- Rush, John W.: *See*—
McClure, Glenn T., and Rush.
- Rush, John W., Wilkesburg, and W. B. Kirk, East McKeesport, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,433,925, Jan. 6.
- Rush, Leo E., West Lafayette, Ind., assignor to Gasotera Corporation, Buffalo, N. Y. Predetermined stop dispensing mechanism of coin and manual controlled type. 2,451,776, Oct. 19.
- Rushing, Fred L., Tampa, Fla., assignor to Gaylord Container Corporation, St. Louis, Mo. Container. 2,456,841, Dec. 21.
- Rushing, Herschel L., Nashville, Tenn. Rail track fastening. 2,457,180, Dec. 28.
- Rushmer, Ralph H., and G. J. Goepfert, assignors to The Carborundum Company, Niagara Falls, N. Y. Resin bonded abrasive article. 2,440,300, Apr. 27.
- Rushmore, Samuel W., Plainfield, N. J. Cooling system for internal combustion engines. 2,443,518, June 15.
- Rushton, Kenneth P., Bedford, near Watford, England. Cooling electric lamps. 2,435,409, Feb. 3.
- Ruskin, Frances R., assignee: *See*—
Ruskin, Simon L.
- Ruskin, Henry, assignor of one-half to G. E. Hale, Chicago, Ill. Safety razor blade. 2,439,909, Apr. 20.
- Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Preparation of alkali metal ascorbates. 2,434,625, Jan. 13.
- Ruskin, Simon L.: *See*—
Korn, Arthur, Hess, and Ruskin.
- Rusnak, John M., West Hartford, and J. W. Durkee, Manchester, assignors to Niles-Bement-Pond Company, West Hartford, Conn. Precision measuring and positioning device. 2,440,916, May 4.
- Rusnok, John, Chicago, Ill. Tool mounting bracket. 2,445,039, July 13.
- Russ, Daniel G., Erlton, N. J. Method and apparatus for metering fuel to supercharged internal-combustion engines. 2,441,977, May 25.
- Russell, Albert A., Phoenix, Ariz. Sliding ladder jack. 2,438,791, Mar. 30.
- Russell, Austin, Elsinore, Calif. Power-driven sweeping machine. 2,448,328, Aug. 31.
- Russell, Ben H., Cle Elum, Wash. Pipe repair clamp. 2,443,271, June 15.
- Russell, Boyd H., Caro, Mich. Adapter plate for tow bars. 2,440,877, May 4.
- Russell, Cecil H., Trenton, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Trisodium phosphate dodecahydrate and manufacturing same. 2,436,670, Feb. 24.
- Russell, Charles L., Huntleigh Woods, Mo. Drier for footwear. 2,443,695, June 22.
- Russell, Clyde E., Massillon, Ohio. Nonskid device. 2,450,691, Oct. 5.
- Russell Electric Company, assignee: *See*—
Ballentine, Earle W.
- Russell, Fred J., Beverly Hills, assignor to Weiser Company, South Gate, Calif. Door or drawer latch. 2,439,057, Apr. 6.
- Russell, Frederick A., Summit, N. J., assignor to the United States of America, as represented by the Secretary of War. Amplitude controlled current regulator. 2,438,417, Mar. 23.
- Russell, George F.: *See*—
Mann, Julius W., and Russell.
- Russell, George F., and J. W. Mann, Tacoma, Wash. Radio-frequency parallel bonding. 2,457,498, Dec. 28.
- Russell, George W., assignor of one-half to Philip V. Ames, Los Angeles, Calif. Skiver. 2,437,971, Mar. 16.
- Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilizing of processed photographic emulsions to high temperatures and humidities. 2,453,346, Nov. 9.
- Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic prints with thiophenols. 2,453,347, Nov. 9.
- Russell, Howard D., assignee, et al.: *See*—
Galewski, George F.
- Russell, John K.: *See*—
Bray, Ulic B., and Russell.
- Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Air cleaner. 2,457,321, Dec. 28.
- Russell, Linus E.: *See*—
Peters, George E., and Russell.
- Russell, Marshall E., Concord, N. C. Roller clearer stop motion. 2,450,738, Oct. 5.
- Russell, Nelson B.: *See*—
Bond, Donald C., and Russell.
- Russell, Paul: *See*—
Morgan, Leslie B., Russell, Gibson, Kinnear, and Heyes.
- Russell, Ralston: *See*—
Fischer, Eugene H., Harnish, and Russell.
- Russell, Ray A., Santa Ana, Calif. Umbrella rib clip and pocket. 2,453,270, Nov. 9.
- Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Clutch and brake device for a two-speed axle construction. 2,438,620, Mar. 30.
- Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Cooling apparatus, temperature control. 2,452,264, Oct. 26.
- Russell, Robert C., Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Detroit, Mich. Screw-threaded mechanical movement. 2,446,393, Aug. 3.
- Russell, Robert P., Short Hills, E. V. Murphree, Summit, and C. E. Hemminger, Westfield, N. J., assignors to Standard Oil Development Company. Hydrocarbon conversion. 2,438,456, Mar. 23.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Combination drawbar and support structure. 2,455,195, Nov. 30.
- Russell & Stoll Company, Inc., assignee: *See*—
Rothen, Edward M.
- Russell, Valoran, Morton Grove, Ill. Magnet tester. 2,442,618, June 1.
- Russell, William J., New Britain, Conn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Container for bombs. 2,449,511, Sept. 14.
- Russo, Giuseppe, New York, N. Y. Lipstick holder. 2,454,718, Nov. 23.
- Rust, Frederick F.: *See*—
Vaughan, William E., and Rust.
- Rust, Frederick F., and J. H. Raley, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogen bromide-catalyzed oxidation. 2,434,888, Jan. 20.
- Rust, Frederick F., and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Controlled oxidation of paraffinic hydrocarbons. 2,452,326, Oct. 26.
- Rust, Henri, Paris, France. Hair curler. 2,446,722, Aug. 10.
- Rust, John B.: *See*—
MacKenzie, Charles A., and Rust.
- Rust, John B., East Hanover, N. J., assignor to Montclair Research Corporation. Aqueous wool treating baths comprising chloroprene methacrylate copolymers. 2,448,004, Aug. 24.
- Rust, John B., East Hanover, N. J., assignor to Montclair Research Corporation. Aqueous wool treating baths comprising chloroprene copolymers. 2,448,005, Aug. 24.
- Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Dehydration of hydroxylated oils. 2,456,996, Dec. 21.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Treatment of wool. 2,447,539, Aug. 24.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Butadiene-acrylate interpolymers treatment of wool. 2,447,540, Aug. 24.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Aqueous dispersions of butadiene polymers and treatment of wool therewith. 2,447,876, Aug. 24.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Wool shrinkproofing baths containing butadiene copolymers and their utilization. 2,447,877, Aug. 24.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Wool shrinkproofing baths containing butadiene copolymers and their utilization. 2,447,878, Aug. 24.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Woolen treatment and products therefor. 2,447,538, Aug. 24.
- Rust, John B., and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Reaction product of rosin-polyhydric alcohol esters and making same. 2,447,367, Aug. 17.
- Rust, John B., Montclair, N. J. and C. W. Pfeifer, Philadelphia, Pa., assignors to Montclair Research Corporation. Aqueous dispersions of butadiene polymers and treatment of wool therewith. 2,447,772, Aug. 24.
- Rust, John B., West Orange, and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Reaction product of rosin and copolymer of vinyl acetate and an alpha-unsaturated carboxylic acid ester and making same. 2,452,870, Nov. 2.
- Rust, John D., Memphis, Tenn. Spindle slats for cotton harvesters. 2,440,450, Apr. 27.
- Rusta Restor Corporation, assignee: *See*—
MacTaggart, Arthur B., and Thomson.
- Rustebakke, Homer M., and A. W. Kimball, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,454,211, Nov. 16.

- Rustebakke, Homer M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,443,665, June 22.
- Rutan, Edward A.: *See*—
Heuver, Herbert M., and Rutan.
- Rutbell, Clarence C., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Rotary cutter. 2,456,842, Dec. 21.
- Rutemiller, Oren G., St. Bernard, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drum-operating electric drive. 2,454,212, Nov. 16.
- Rutgers Research and Endowment Foundation, assignee: *See*—
Waksman, Selman A., and Schatz.
- Rutgers Research and Endowment Foundation, assignees: *See*—
Waksman, Selman A., and Woodruff.
- Ruth, Raymond E., and R. L. Harvey, Odessa, Tex. Automatic control synchronizer. 2,442,149, May 25.
- Rutherford, Katherine E., assignee: *See*—
Rutherford, Paul A.
- Rutherford, Paul A., assignor to Katherine E. Rutherford, Baltimore, Md. Cigarette machine. 2,437,615, Mar. 9.
- Rutherford, Richard E.: *See*—
Green, George W. A., Bujak, and Rutherford.
- Rutherford, Robert E.: *See*—
Koch, Stanley J., and Rutherford.
- Rutherford, Robert E., Nutley, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Device for discriminating between fixed and moving objects. 2,437,173, Mar. 2.
- Ruthven, Alfred L., Denver, Colo., assignor of three-fifths to himself as trustee for B. R., T. D., and S. A. Ruthven, one-fifth to H. D. Ruthven, and one-fifth to L. R. Ruthven. Toy parachute. 2,430,989, Apr. 20.
- Ruthven, Alfred L., Denver, Colo. Parachute and projecting and operating the same. 2,435,367, Feb. 3.
- Ruthven, Betty R.: *See*—
Ruthven, Alfred L.
- Ruthven, Helen D., assignee, et al.: *See*—
Ruthven, Alfred L.
- Ruthven, Louis R., assignee, et al.: *See*—
Ruthven, Alfred L.
- Ruthven, Sharon A.: *See*—
Ruthven, Alfred L.
- Ruthven, Thomas D.: *See*—
Ruthven, Alfred L.
- Rutledge, John W., Early, Iowa. Device for hoisting bales. 2,457,181, Dec. 28.
- Rutledge, Joseph: *See*—
Pohle, Eric, Rutledge, and Lempert.
- Rutledge, Marcus J., Chicago, Ill. Sliding wallpaper base trimmer. 2,437,896, Mar. 16.
- Rutledge, Rubertus W., Morganton, and F. P. Higginbotham, Black Mountain, N. C. Railway switch locking device. 2,434,722, Jan. 20.
- Rutledge, Thomas F.: *See*—
Marisic, Milton, and Rutledge.
- Rutledge, William J., Lucy, Tenn. Steam head for drier drums. 2,437,004, Mar. 2.
- Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk plow and caster wheel. 2,448,469, Aug. 31.
- Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk plow. 2,454,482, Nov. 23.
- Ruys, Jan D.: *See*—
Van der Valk, Johannes H. A. P. L., and Ruys.
- Ruzicka, Leopold, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Production of unsaturated aldehydes. 2,435,018, Jan. 27.
- Ryan, Albert O., Oradell, N. J., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Coating filaments. 2,456,650, Dec. 21.
- Ryan, Clarence N., Washington, D. C. Auto wrecking crane. 2,449,146, Sept. 14.
- Ryan, John F.: *See*—
Reed, Raymond E., and Ryan.
- Ryan, Joseph D., Toledo, Ohio, and F. B. Shaw, Jr., Baltimore, Md., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparing polyvinyl acetal ketal resins. 2,447,773, Aug. 24.
- Ryan, Lester R., Plymouth, Conn. Making hand tools. 2,439,058, Apr. 6.
- Ryan, Richard J.: *See*—
Cotton, Robert B., Ryan, and Domoj.
- Ryan, Tom R., Trenton, Ga. Pattern control means for knitting machine. 2,439,990, Apr. 20.
- Ryan, Warren W., Dayton, Ohio. Fighter airplane bomb lift. 2,454,840, Nov. 30.
- Ryan, William, New York, N. Y. Device for inspecting blood circulation. 2,455,810, Dec. 7.
- Ryan, William R.: *See*—
Ogden, William L. W., and Ryan.
- Rybicki, Walter, Garfield Heights, Ohio. Working the die hole contour of a wire drawing die. 2,452,155, Oct. 26.
- Ryde, John L.: *See*—
McCulloch, Robert P., and Ryde.
- McCulloch, Robert P., Ryde, and Gudmundsen.
- Ryden, Eric H.: *See*—
Higley, Frank R., and Ryden.
- Ryder, Charles D., Covington, assignor to The Grote Manufacturing Company, Bellevue, Ky. Traffic signalling device. 2,451,875, Oct. 19.
- Ryder, Charles D., Covington, assignor to The Grote Manufacturing Company, Bellevue, Ky. Truck reflector. 2,452,528, Oct. 26.
- Ryer, August I.: *See*—
Tarpley, William B., Jr., and Ryer.
- Ryer, August I., and M. Frisch, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Isolation of oleandrin. 2,438,418, Mar. 23.
- Ryerson, Theodore M., assignee: *See*—
Collins, Calhoun.
- Ryker, Elwood A., Spokane, Wash. Transmission for motorized vehicles. 2,456,894, Dec. 21.
- Ryman, Walter L., assignee: *See*—
Elmes, John A., and Johnson.
- Rypinski, Albert B., assignor to D. C. Rypinski, Laurelton, N. Y. Current-limiting and protective arrangement. 2,436,334, Feb. 17.
- Rypinski, Albert B., Laurelton, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Latch-trip type circuit breaker. 2,448,470, Aug. 31.
- Rypinski, Della C., assignee: *See*—
Rypinski, Albert B.
- Rysick, Walter J., Fort Wayne, Ind. Swivel connection or joint. 2,454,483, Nov. 23.
- Rystrom, Charles H., Rockford, Ill. Hydraulic pump. 2,445,281, July 13.
- Ryther, Thomas W., St. Louis, Mo. Combination salt-and-pepper shaker. 2,448,625, Sept. 7.
- Ryznar, John W., La Grange, assignor to National Aluminate Corporation, Chicago, Ill. Production of aqueous sols of hydrous oxides. 2,438,230, Mar. 23.
- SKF Industries, Inc., assignee: *See*—
Mannerbrink, Ivan W., and Sandstrom.
- S & S Corrugated Paper Machinery Co. Inc., assignee: *See*—
Cohen, Harry L.
- S. & Z. Manufacturing Company, Inc., assignee: *See*—
Samuelson, Otto H., and Zappia.
- Saachy, Thomas, New York, N. Y. Bubble making machine. 2,452,794, Nov. 2.
- Saari, Frank E., Chicago, and G. V. W. Roth, Evanston, Ill. Controlling mechanism for sand traps. 2,454,215, Nov. 16.
- Saari, Paul A., and H. A. Rugg, Minneapolis, Minn. Form relief grinder. 2,447,138, Aug. 17.
- Saathoff, Clinton W., San Antonio, Tex. Bank or jewelry box. 2,449,722, Sept. 21.
- Sabaneef, Sophie, New York, N. Y. Woman's protective hosiery and shoe covering. 2,438,826, Mar. 30.
- Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Photographic print conveying mechanism. 2,444,170, June 29.
- Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Photocopy machine. 2,446,246, Aug. 3.
- Sabee, Reinhardt N., Detroit, and C. S. White, Dearborn, assignors of one-fifth to said Sabee, one-fifth to said White, one-fifth to F. A. Grady, Detroit, Mich., one-fifth to C. F. Meroni, Evanston, Ill., and one-fifth to V. S. Lilly, Detroit, Mich. Making plastic structure. 2,447,541, Aug. 24.
- Sabin, Archie R., Alexandria, Va. Moisture control device. 2,452,957, Nov. 2.
- Sabini, Frederick, Salem, N. J. Toy submarine. 2,452,495, Oct. 26.
- Sacchetti, Nicholas, Upper Darby, Pa. Coat foundation. 2,446,959, Aug. 10.
- Sachini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid operated motor with piston actuated distributing valve and manually actuated parking valve. 2,450,564, Oct. 5.
- Sachini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Shaft actuated snap action mechanism for reciprocating expandable chamber motors. 2,451,449, Oct. 12.
- Sachini, Columbus R., Euclid, and L. N. Vandervoort, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Motion converter mechanism. 2,450,692, Oct. 5.
- Sachanen, Alexander N.: *See*—
Caesar, Philip D., and Sachanen.
- Hansford, Rowland C., and Sachanen.
- Henderson, Donald S., and Sachanen.
- Myers, Claude G., and Sachanen.
- Hansford, Rowland C., Rasmussen, and Sachanen.
- Hansford, Rowland C., Rasmussen, Myers, and Sachanen.
- Sachs, Irving, assignor to Jain-Sax Clothing Co., Inc., New York, N. Y. Adjustable skirt. 2,443,085, June 8.
- Sachs, Morris, New York, N. Y. Electric fixture. 2,456,997, Dec. 21.
- Sackett, A. J., & Sons Company, The, assignee: *See*—
Sackett, Walter J.
- Sackett, Walter J., assignor to The A. J. Sackett & Sons Company, Baltimore, Md. Apparatus for seasoning and granulating acidulated phosphate. 2,442,513, June 1.
- Sacia, Roger R., West Bend, Wis. Toilet seat accessory. 2,434,889, Jan. 20.
- Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Optical system for sound recording. 2,438,671, Feb. 24.
- Sackey, Alexander A., assignee: *See*—
Weisbrod, Ivan V., and Sackey.

- Sackville, William, U. S. Army, Berkeley, Calif., assignor to United States of America as represented by the Secretary of War. Apparatus for detecting the presence and position of an invisible body by infrared radiation. 2,454,841, Nov. 30.
- Saco, Felix, Jr., West Hartford, and W. R. Williamson, assignors to The Maxim Silencer Company, Hartford, Conn. Automatic control for waste heat utilizers. 2,438,719, Mar. 30.
- Saco-Loewell Shop, assignee: *See*—Cotehett, Louis M. Curley, Robert S. Pray, Lester W.
- Sadbury, Herman F.: *See*—Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sadbury.
- Sadler, Charles W., Essex, Conn. Clutch. 2,435,368, Feb. 3.
- Sadowsky, Morris, New York, assignor of one-half to D. Levine, Brooklyn, N. Y. Mechanically actuated toy wheeled vehicle. 2,443,519, June 15.
- Sadowski, Walter: *See*—Wunsch, Guido, Weinkauff, Sadowski, and Kobischke.
- Sadowsky, Charles: *See*—Armstrong, Charles W., and Sadowsky, and Hetherington.
- Sadowsky, Charles, Great Neck, assignor to United Device Corporation, New York, N. Y. Antiskid device for tires. 2,455,878, Dec. 7.
- Sadowsky, Charles, New York, N. Y. Time-speed-distance divider-type computer. 2,435,606, Feb. 10.
- Sadusky, Edward, and H. T. Thompson, Staples, Minn. Hoist attachment for tractors. 2,455,093, Nov. 30.
- Safety Box Toe Company, assignee: *See*—McMurray, Harry G.
- Safety Steering Stabilizer Company, assignee: *See*—Ross, Andrew F.
- Safeway Specialty Corporation, assignee: *See*—Ziskind, Samuel.
- Saffady, Thomas F., Detroit, assignor to Sav-Way Industries, Inc., Warren Township, Macomb County, Mich. Electric iron. 2,439,059, Apr. 6.
- Saffady, Thomas F., Detroit, assignor to Sav-Way Industries, Inc., Warren Township, Macomb County, Mich. Electric iron. 2,439,060, Apr. 6.
- Saffer, Louis, Co., Inc., assignee: *See*—Abrams, Joseph.
- Saffer, Martin: *See*—Sternbuch, Nathan, and Saffer.
- Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Rubbery butyl gum-dimethyl polysiloxane gum composition. 2,442,059, May 25.
- Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Preparation of Dimethyl silicone gums. 2,454,759, Nov. 30.
- Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Organic lead salt stabilizers for vinyl halide resins. 2,455,879, Dec. 7.
- Safford, Moyer M., and E. L. Mincher, Schenectady, N. Y., assignors to General Electric Company. Lead silanolate stabilizers for vinyl halide resins. 2,455,880, Dec. 7.
- Safer, Abe, Brooklyn, N. Y. Automatic book marker. 2,436,609, Feb. 24.
- Sagan, Anton, Chicago, Ill. Fish stringer. 2,442,472, June 1.
- Sagat, Michael, Long Island City, N. Y. Pull toy. 2,441,906, May 18.
- Sage, Edwin R., Los Angeles, Calif. Tire pressure stabilizer. 2,439,188, Apr. 6.
- Sage, Warren M., Fort Worth, Tex., assignor, by mesne assignments, to J. A. and N. Sanders, Buffalo, N. Y., jointly. Thermostatically controlled electric heater. 2,446,555, Aug. 10.
- Sagen, Lawrence G., Auburn, N. Y. Self-aligning joint for engine exhausts. 2,443,272, June 15.
- Sager, Victor, Arcadia, assignor to Diesel Filter Co., El Monte, Calif. Apparatus for forming filter elements and the like. 2,454,213, Nov. 16.
- Saiford, Richard L., assignor to The Whitney Chain & Mfg. Co., Hartford, Conn. Transmission chain link. 2,450,565, Oct. 5.
- Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines. 2,446,852, Aug. 10.
- St. Clair, Houston, Tazewell, assignor to Ridgewood Inc., Winchester, Va. Concentrated apple juice and milk modifier. 2,450,456, Oct. 5.
- St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Check valve and storage system containing same. 2,441,911, May 18.
- St. Clair, Theodore A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vaporizer. 2,456,890, Dec. 21.
- St. John, John H., Rutherford, assignor to Hoyer Industries Incorporated, Belleville, N. J. Overload relay. 2,435,607, Feb. 10.
- St. John, Harry M.: *See*—Pluta, John J., Mayer, and St. John.
- St. John, Lewis D., Edgerton, Wis. Weedless fishing plug. 2,445,461, July 20.
- St. Laurence, Ernest J., Minneapolis, Minn. Automatic fire door for parts washers. 2,440,619, Apr. 27.
- Saint-Mieux, Charles, assignor to Societe Meridionale Du Caoutchouc S O M E C A, a Société à Responsabilité Limitée, Carcassonne, France. Manufacture of seamless hollow articles from natural or synthetic rubber. 2,441,905, May 18.
- St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Tapped transformer system. 2,440,983, May 4.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,433,931, Jan. 6.
- St. Pierre, Eugene, Pawtucket, R. I., assignor to Hemphill Company. Suture. 2,437,841, Mar. 16.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Pick. 2,439,759, Apr. 13.
- St. Pierre, Henri E., San Francisco, Calif. Electronic epilator. 2,444,173, June 29.
- St. Pierre, Henry, Worcester, Mass. Making chain links. 2,451,253, Oct. 12.
- St. Pierre, Henry, Worcester, Mass. Chain link. 2,451,254, Oct. 12.
- St. Pierre, Henry, Worcester, Mass. Chain link and making same. 2,451,255, Oct. 12.
- St. Regis Paper Company, assignee: *See*—Hartman, Carl H. Peterson, William R. Simonton, Budd E., and Dyer. Yorke, Nelson R.
- St. Thomas, William H., assignor to E. J. Wilkins Company, Gloversville, N. Y. Key assembly. 2,448,332, Aug. 31.
- Sair, Louis: *See*—Gunther, James K., and Sair.
- Saks, Ira: *See*—Kelleher, Daniel.
- Saks, Ira, assignee: *See*—Higgins, Albert J.
- Saks, Ira, Shaker Heights, Ohio. Friction clutch. 2,445,638, July 20.
- Saladin, Otto, Schweizerhalle, near Basel, Switzerland. Open-air swimming pool. 2,439,866, Apr. 20.
- Salamon, Maks: *See*—Engel, Erich, and Salamon.
- Salas, Miguel, Chihuahua, Mexico. Combination jack and concrete form. 2,451,777, Oct. 19.
- Salathiel, Richard A., Houston, Tex., assignor to Standard Oil Development Company. Breaking water-in-oil emulsions. 2,443,273, June 15.
- Sale, William H., Richmond, Va. Journal box and dust guard. 2,434,228, Jan. 6.
- Sale, William H., Richmond, Va. Journal box and dust guard. 2,441,645, May 18.
- Salem Engineering Company, The, assignee: *See*—Buckholdt, Robert E. Loux, John H.
- Sales, Frederick J., London, England. Rotary alternating pistons pump. 2,453,271, Nov. 9.
- Salisbury, Leroy L., South Orange, assignor to The Ivers-Lee Company, Newark, N. J. Package. 2,440,022, Apr. 20.
- Salisbury, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Packaging and machines therefor. 2,443,327, June 15.
- Salg, Werner G., Oak Park, Ill. Collapsible pocket tool. 2,441,673, May 18.
- Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Oscilloscope amplifier. 2,434,439, Jan. 13.
- Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Phototube cathode formation. 2,440,917, May 4.
- Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Push-pull amplifier tube. 2,442,862, June 8.
- Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Single side-band modulation system. 2,444,534, July 6.
- Salinger, Hans W. G., and A. T. Mayle, Jr., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron beam centering system. 2,440,490, Apr. 27.
- Salisbury, Leonard B., La Crescenta, assignor, by mesne assignments, to S. and B. Leviton, Los Angeles, Calif. Thimble. 2,447,774, Aug. 24.
- Salisbury, Leroy F.: *See*—Coffman, Donald D., and Salisbury.
- Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorohydrocarbons by reacting hydrogen fluoride with acetylenic hydrocarbons. 2,437,307, Mar. 9.
- Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making fluoroprene. 2,437,308, Mar. 9.
- Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercury-treated charcoal catalyst and its preparation. 2,455,881, Dec. 7.
- Salisbury, Peter F., Los Angeles, Calif. Gastroscope. 2,453,862, Nov. 16.
- Salisbury, Robert H., and E. M. Oehser, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Ear protector. 2,437,049, Mar. 2.
- Salisbury, Wallace S., Sharon, Wis. Cap strip gauge. 2,453,863, Nov. 16.

- Salisbury, Winfield W., Arlington, Mass., assignor to the United States of America, as represented by the Secretary of the Navy. High-frequency electrical transmission line. 2,437,482, Mar. 9.
- Salisbury, Winfield W., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio-frequency joint. 2,451,876, Oct. 19.
- Sallach, Max E., Dayton, Ohio. Pulse selector unit. 2,443,198, June 15.
- Sallés, Jaime, Montevideo, Uruguay. Apparatus for determining the relative differences of speed of two rotary elements. 2,437,048, Mar. 2.
- Sallmann, Richard, Gelterkinden, and C. Graenacher, Riehen, Switzerland, assignors to Ciba Limited. Amide derivatives and process of making same. 2,448,125, Aug. 31.
- Salmi, Douglas S.: *See*—
Archer, James O., and Salmi.
- Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose ester melt-coating composition. 2,439,103, Apr. 6.
- Salo, Paul W., Minneapolis, Minn., assignor to General Mills, Inc. Dehydration of corn. 2,446,162, July 27.
- Salomon, Allen N.: *See*—
Wainer, Eugene, and Salomon.
- Salomon, Francois M. M. B., Paris, France. Oscillation reducing device. 2,449,087, Sept. 14.
- Salomon, Francois M. M. B., Paris, France; vested in the Attorney General of the United States of America. Oscillation reducing device. 2,451,513, Oct. 19.
- Salsbury's, Dr., Laboratories, assignee: *See*—
Mayfield, Orley J., Morehouse, and Walde.
Morehouse, Neal F., and Mayfield.
- Salt, Francis E.: *See*—
Stanley, Herbert M., Salt and Williams.
- Salt, Francis E., Banstead, England, assignor to The Distillers Company, Limited, Edinburgh, Scotland. Separation of ethyl benzene from xylenes. 2,447,479, Aug. 17.
- Salvage & Marine Company of Egypt, assignee: *See*—
Peillon, Paul.
- Salvansen, Jørgen R., D. L. Brink, D. G. Diddams, Wausau, and P. Owzarski, assignors to Salvo Chemical Corporation, Rothschild, Wis. Making vanillin. 2,434,626, Jan. 13.
- Salvin, Victor S.: *See*—
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Edwards.
Seymour, George W., Salvin, and Hieserman.
Ward, George C., and Salvin.
- Salvo Chemical Corporation, assignee: *See*—
Salvesen, Jørgen R., Brink, Diddams, and Owzarski.
- Salz, Leon, Brooklyn, and S. P. Marley, Bayside, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Cylinder oils. 2,443,585, June 15.
- Salzberg, Paul L.: *See*—
Hanford, William E., and Salzberg.
- Salzberg, Paul L., and F. K. Signaigo, Brandywine Hundred, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl boronates and producing same. 2,457,603, Dec. 28.
- Salzmänn, Fritz, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Power plant working with a hot gaseous medium. 2,446,108, July 27.
- Sambur, William, Jamaica, N. Y. Thermotemporal responsive device. 2,451,778, Oct. 19.
- Samelson, Bernard, assignor to The Deming Company, Salem, Ohio. Pump. 2,435,470, Feb. 3.
- Samiran, David, Osborn, Ohio. Segregator system. 2,442,379, June 1.
- Samiran, David, Osborn, Ohio. Pump construction. 2,446,194, Aug. 3.
- Samiran, David, Osborn, and J. S. Mills, Bryan, Ohio. Fuel system for aircraft. 2,435,982, Feb. 17.
- Samiran, David, Osborn, and G. W. Replogle, Dayton, Ohio. Switch. 2,444,471, July 6.
- Sammons, Gordon W., Hagerstown, Md. Slide rule. 2,439,025, Apr. 6.
- Samons, Starlin B., Sr., River Rouge, Mich. Artificial limb. 2,451,980, Oct. 19.
- Sample, George E., St. Louis, Mo., and W. B. Miller, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Removal of carbonyl sulfide from a hydrocarbon fluid. 2,434,868, Jan. 20.
- Sampson, Ralph R., Youngstown, Ohio. Boat trailer. 2,442,248, May 25.
- Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ice tray. 2,452,686, Nov. 2.
- Sams, Robert H.: *See*—
Baker, Chester L., and Sams.
- Samson, Betty, Hollywood, Calif. Eyebrow stencil. 2,435,516, Feb. 3.
- Samson, René, Montreal, Quebec, Canada. Preparation of macaroni products. 2,450,525, Oct. 5.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Velocity variation transmitter-receiver. 2,455,094, Nov. 30.
- Samuel, Charles H., San Francisco, Calif. Gun firing mechanism. 2,450,447, Oct. 5.
- Samuel, Dillwyn M.: *See*—
Buis, Marinus, and Samuel.
- Samuel, Norman, assignee: *See*—
Irvin, Basil D.
- Samuel, Sigmund, Baltimore, Md. Collapsible garment frame. 2,444,535, July 6.
- Samuels, Joseph V., assignor of thirty per cent to O. W. Chenault, San Francisco, Calif. Protector for hats. 2,444,617, July 6.
- Samuels, Lloyd W., Allentown, Pa. Toy. 2,449,147, Sept. 14.
- Samuelson, Otto H., Muncie, and A. T. Zappia, assignors to S. & Z. Manufacturing Company, Inc., Indianapolis, Ind. Blow head for glass container making machines. 2,442,315, May 25.
- Samuelson, Wallace H. E., Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Manufacturing oscillator plates. 2,451,877, Oct. 19.
- Samuelson, Wallace H. E., Weehawken, N. J., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Cathode sputtering apparatus for coating oscillator plates. 2,450,795, Dec. 21.
- Sand, Robert T., assignor of forty per cent to F. T. Hicks, Detroit, Mich. Multipurpose light. 2,452,327, Oct. 26.
- Sandberg, Oscar, Defiance, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Article feeding mechanism for wrapping machines. 2,434,772, Jan. 20.
- Sandberg, Oscar, Defiance, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Wrapping paper control mechanism. 2,437,560, Mar. 9.
- Sandberg, Oscar, Defiance, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Folding head support for wrapping machines. 2,443,992, June 22.
- Sandberg, Oscar, Defiance, assignor to Lynch Package Machinery Corporation, Toledo, Ohio. Strip feeder for wrapping machines. 2,446,305, Aug. 3.
- Sandberg, William A., assignor to Lacy Manufacturing Company, Los Angeles, Calif. Grounding system for gas tank welders. 2,439,371, Apr. 6.
- Sandell, Henry K., assignor to Clarence E. Thredy, Chicago, Ill., as trustee. Amusement device. 2,439,104, Apr. 6.
- Sander, Charles P.: *See*—
Herring, Earl R., and Sander.
- Sanders, Edna, executrix: *See*—
Sanders, William G.
- Sanders, Elmore J.: *See*—
Earley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
- Sanders, Eugene P., Allendale, N. J., assignor to Champion Manufacturing Co., St. Louis, Mo. Masonry cutter. 2,441,535, May 11.
- Sanders, Herbert R., Los Angeles, Calif. Hydraulic valve assembly for motor control. 2,443,964, June 22.
- Sanders, Joseph A., assignee, et al.: *See*—
Sage, Warren M.
- Sanders, Marion D., Washington, D. C., assignor to Swift & Company, Chicago, Ill. Flotation of bone particles. 2,450,398, Sept. 28.
- Sanders, Nelle, assignee, et al.: *See*—
Sage, Warren M.
- Sanders, Robert W.: *See*—
Cawein, Madison, and Sanders.
- Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic signal level control. 2,455,899, Dec. 7.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Aircraft navigation. 2,434,813, Jan. 20.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Frequency modulated radio distance measuring system and indicator. 2,436,672, Feb. 24.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Frequency responsive circuits. 2,439,872, Apr. 20.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Aircraft navigation. 2,444,171, June 29.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,444,678, July 6.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radar control system. 2,450,991, Oct. 12.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radar control system. 2,454,009, Nov. 16.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Radio bomb release system. 2,454,673, Nov. 23.
- Sanders, Royden C., Jr., Hightstown, N. J., and J. H. Purl, Philadelphia, Pa., said Sanders assignor to Radio Corporation of America. Aircraft control system. 2,443,748, June 22.
- Sanders, William G., deceased, Houston, Tex.; E. Sanders, executrix. Piston assembly and ring. 2,450,693, Oct. 5.
- Sanders, William H., Henderson, and C. B. Marks, North Las Vegas, Nev. Automatic stamping machine. 2,443,779, June 22.
- Sanderson, Robert I., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Grip. 2,450,094, Sept. 28.
- Sanderson, Robert I., Gary, and E. R. Trostle, East Gary, Ind. Grip mechanism for testing machines. 2,449,955, Sept. 21.

- Sanderson, William J., Madison, Wis., assignor to the United States of America as represented by the Secretary of Agriculture. Free-fall aerial container. 2,450,992, Oct. 12.
- Sandhofer, Richard, Zurich, Switzerland. Articulating apparatus for artificial teeth. 2,445,639, July 20.
- Sandin, Jerome: *See*—
Grissinger, George G., Lindstrom, and Sandin.
- Sandlovich, Louise K., Lincoln, Nebr. Figure base. 2,454,095, Nov. 16.
- Sando, Joseph B., Kansas City, Mo., assignor to Western Laundry Machinery Company. Roll for ironers. 2,436,530, Feb. 24.
- Sandorff, Paul E., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Apparatus for testing panels and the like. 2,440,616, Apr. 27.
- Sanborn, John W.: *See*—
Boerner, Thomas J. and Sanborn.
- Sandoz Ltd., assignee: *See*—
Gutzwiller, Ernst.
Stoll, Arthur and Hofmann.
Von Allmen, Samuel, and Eggenberger.
Wehrli, Walter, and Petitjean.
- Sandrik, John J., Chicago, Ill. Hand guard for welding apparatus. 2,438,792, Mar. 30.
- Sands, William F., West Collingswood, N. J., assignor to Radio Corporation of America. Permeability tuned image attenuation circuits. 2,449,148, Sept. 14.
- Sandstrom, Nils J. L.: *See*—
Mannerbrink, Ivan W. and Sandstrom.
- Sandusky, Julius, Toronto Township, Peel County, Ontario, Canada. Electrolyte level control device for storage batteries. 2,457,522, Dec. 28.
- Sandvik Steel Incorporated, assignee: *See*—
Allen, Walter H.
- Sanford, Burpee O., Braintree, Mass. Two-wheel boat trailer. 2,444,231, June 29.
- Sanford, Charles E.: *See*—
Irons, Carroll R., and Sanford.
- Sanford, Francis B., and L. G. McKee, Seattle, Wash., assignors to Government of the United States, as represented by the Secretary of the Interior. Drill sampling device for fish livers. 2,435,608, Feb. 10.
- Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,441,978, May 25.
- Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.
- Sanford, Roy S., assignee: *See*—
Eames, James O.
- Sanford, Roy S., and A. Kurtl, Woodbury, assignors to The Autoyce Company, Incorporated, Oakville, Conn. Recoil absorber. 2,439,105, Apr. 6.
- Sangamo Electric Company, assignee: *See*—
Lovegrove, Henry J.
- Sanmori, Roger L. J. B., Monaco, Monaco. Steering system for vehicles. 2,436,153, Feb. 17.
- Sanmori, Roger L. J. B., Monaco, Monaco. Fluid pressure suspension system for vehicles. 2,443,433, June 15.
- Sansbury, George L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Step-by-step automatic tuning control. 2,449,178, Sept. 14.
- Santagata, Joseph, Cranston, R. I. Electric motor-driven concrete mixer. 2,450,993, Oct. 12.
- Santiago, James J., assignor to Grant Oil Tool Company, Los Angeles, Calif. Safety pressure release. 2,437,836, Mar. 16.
- Santiago, James J., assignor, by mesne assignments, to Grant Oil Tool Company, Los Angeles, Calif. Sand pump. 2,449,720, Sept. 21.
- Santiago, James J., assignor to Grant Oil Tool Company, Los Angeles, Calif. Bailer unloading rack. 2,449,721, Sept. 21.
- Santole, Joseph P., Waterbury, Conn. Fire alarm trip mechanism. 2,457,499, Dec. 28.
- Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Uniform bobbin feed for picks and pick looms. 2,443,013, June 8.
- Santoro, Ovid, Bloomfield, and E. Jaskot, Passaic, N. J., assignors to Celanese Corporation of America. Plasticized and stabilized cellulose compound and making it. 2,449,149, Sept. 14.
- Sapin, Bernard, New York, N. Y. Knit fabric with gathers therein. 2,453,542, Nov. 9.
- Sapiro, Reuben H., Pinner, England. Prevention of mist and frost on glass and similar sheet material. 2,454,886, Nov. 30.
- Sapp, John P., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Closure. 2,454,214, Nov. 16.
- Saracchi, Vicente A. P., Buenos Aires, Argentina. Steering handle. 2,439,636, Apr. 13.
- Sarazin, Robert, Neuilly sur Seine, France. Machine for are welding with continuous electrodes. 2,445,863, July 27.
- Sardeson, Robert, and E. H. Savelle, assignors to Pako Corporation, Minneapolis, Minn. Photographic film holder. 2,445,496, July 20.
- Saretzky, Simon, Brookline, assignor to First Industrial Corporation, Boston, Mass. Voltage regulator. 2,437,837, Mar. 16.
- Sargeant, Walter E.: *See*—
Martin, Edward J., and Sargeant.
- Sargent & Company, assignee: *See*—
Freysinger, John B.
Shaw, Herbert G.
Voight, Henry G., and Oxhandler.
- Sargent, Donald E.: *See*—
Sickels, Jackson P., and Sargent.
- Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,671, Nov. 9.
- Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,672, Nov. 9.
- Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,673, Nov. 9.
- Sargent, Dorothy H., assignee, et al.: *See*—
Du Mont, Frank J., and Sargent.
- Sargent, Edmund L.: *See*—
Daley, Henry G., and Payne, and Sargent.
- Sargent, Edmund L., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of hollow gel spheroids. 2,449,253, Sept. 14.
- Sargent, Edmund L., and R. C. Wilson, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Insulating gel. 2,448,280, Aug. 31.
- Sargent, Theodore C., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Resistor for electric discharge devices. 2,457,734, Dec. 28.
- Sargent, William C., assignor to National Battery Company, St. Paul, Minn. Battery plate-connecting strap. 2,450,359, Sept. 28.
- Sargisson, Robert L.: *See*—
Wood, Fredric E., Gieger, Decker, and Sargisson.
- Sargisson, Robert L., Berwyn, and H. F. Obergfell, deceased; by A. Obergfell, executrix, River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse transmitter. 2,451,358, Oct. 12.
- Sarnoff, David, New York, N. Y., assignor to Radio Corporation of America. Secret radio signaling system. 2,455,443, Dec. 7.
- Sarver, Emmett F., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Valve. 2,441,252, May 11.
- Sarver, Emmett F., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Valve. 2,441,253, May 11.
- Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Traction wheel. 2,443,328, June 15.
- Sarver, Emmett F., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Fitting for pipe or hose connections. 2,453,597, Nov. 9.
- Sarver, Emmett F., Lenexa, Kans., assignor to Rohlm Manufacturing Company, Inc., Erie, Pa. Position indicator for magnetic actuators. 2,457,403, Dec. 28.
- Sasgen, Anthony M., assignor to Grand Specialties Company, Chicago, Ill. Quick-clamping vise. 2,445,188, July 13.
- Sasgen, Anthony M., assignor to Grand Specialties Company, Chicago, Ill. Clamping device of the vise type. 2,450,303, Sept. 28.
- Saslaw, Otto, Lyndhurst, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metal contact rectifier. 2,452,603, Nov. 2.
- Satchik, Kalman, Pittsburgh, Pa. Furnace ashpan. 2,446,669, Aug. 10.
- Satloff, Martin, Brooklyn, N. Y. Cigarette dispenser. 2,437,616, Mar. 9.
- Satrian, Rudy A., Chattanooga, Tenn. Scalp protector. 2,452,265, Oct. 26.
- Satterfield, Nellie M., assignee: *See*—
Colvin, Charles M.
- Sattler, Frank A.: *See*—
Leape, Charles B., and Sattler.
- Sattler, Hugo, Doss, Tex. Wire stretcher. 2,456,895, Dec. 21.
- Satz, Frank, Los Angeles, M. Berns, Beverly Hills, and S. Sontag, Los Angeles, Calif. Article holder. 2,443,361, June 15.
- Satz, Louis L., University City, assignor to The Phon-O-Lite Corporation, St. Louis, Mo. Light attachment for telephones. 2,442,983, June 8.
- Saubestre, Basil F., Elmhurst, assignor to American Can Company, New York, N. Y. Can body. 2,450,071, Oct. 26.
- Saucier, David R., Bossier City, La. Additional fuel supply for internal-combustion engines. 2,443,120, June 8.
- Saucier, Everaldo J., Hartford, Conn. Hair curler and clip assembly. 2,443,544, June 15.
- Sauer, George: *See*—
Christensen, Norman V., Sauer, and Smith.
- Sauer, Christian H., assignor to J. T. Alm, Chico, Calif. Vehicle brake mounting means. 2,434,055, Jan. 6.
- Sauer, Christian H., Chico, Calif. Tractor coupling means for preventing upward movement of the tractor power plant and front end. 2,443,804, June 22.
- Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,446,306, Aug. 3.
- Sauer, John A., Elizabeth, assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking nut. 2,450,694, Oct. 5.
- Sauer, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compositions of matter and making same. 2,454,294, Nov. 23.

- Saukaitis, Albert J., Wayne, assignor to American Chemical Paint Company, Ambler, Pa. Protection of cupriforous surfaces. 2,445,155, July 13.
- Saulnier, Raymond, Paris, France. Construction of retractable landing gear. 2,438,650, Mar. 30.
- Saulsberry, Jay L. Tucumcari, N. Mex. Darning last. 2,437,758, Mar. 16.
- Saunders, David R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of alpha-haloacrylic compounds. 2,434,229, Jan. 6.
- Saunders, Donald H.: *See—*
- Woodward, Charles F., Saunders, and Provost.
- Saunders, James B., Alexandria, Va. Pupillometric exposure meter. 2,434,890, Jan. 20.
- Saunders, Lester A.: *See—*
- Whitener, Ernest K., Gilreath, Saunders, and Elmore.
- Saunders-Roe Limited, assignee: *See—*
- Knowler, Henry.
- Saunders, Seymour G., Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Clamp for bonding brake lining to brake shoes. 2,455,341, Nov. 30.
- Saur, George E., St. Louis, Mo. Colostomy tube. 2,438,073, Mar. 16.
- Saurer, Curt, Cleveland, assignor to The Ohio Rubber Company, Willoughby, Ohio. Vibration dampener. 2,448,281, Aug. 31.
- Sausser, Donald J. and A. J., Evanston, Ill. Fuel tank. 2,446,612, Aug. 10.
- Sausser, Joseph A.: *See—*
- Sausser, Donald J. and J. A.
- Sauter, Joseph H., Rutherford, N. J., and J. E. Byrne, New Rochelle, assignors to General Baking Company, New York, N. Y. Method of and means for slabbing cakes. 2,456,327, Dec. 14.
- Sauter, Joseph L., Poughkeepsie, N. Y. Switch box holder. 2,456,450, Dec. 14.
- Savage Arms Corporation, assignee: *See—*
- Hussey, Chester L.
- Smith, Wilfred I.
- Savage, John H., Welling, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England. Spark testing apparatus for insulated electric cables and wire. 2,454,011, Nov. 16.
- Savage, Joseph, Cleveland, Ohio. Plug and socket clamp. 2,434,521, Jan. 13.
- Savage, Leon E.: *See—*
- Krajci, Samuel, and Savage.
- Savage, W. J., Company, Inc., assignee: *See—*
- Fulton, Weston M.
- Savastano, Antonio, Mount Vernon, N. Y. Reading stand. 2,454,526, Nov. 23.
- Savela, Edward H.: *See—*
- Sardeson, Robert, and Savela.
- Saveland, Brown W.: *See—*
- Gannett, Joseph K., Smith, Jr., and Saveland.
- Savercool, John D., Cranford, N. J. Sanding nozzle. 2,451,878, Oct. 19.
- Savich, Theodore R., and L. A. Goldblatt, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Pyrolyzing alpha-pinene to allo-ocimene in liquid phase. 2,437,759, Mar. 16.
- Savidge, Clinton W., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn. Restrictor-suction line assembly. 2,446,853, Aug. 10.
- Sayers, Robert H., Morrisville, Pa., assignor to The American Steel and Wire Company of New Jersey. Inspecting wire drawing die. 2,435,657, Feb. 10.
- Sävö, Göte E.: *See—*
- Melander, Karl H. A., Sävö, and Johanson.
- Savoie, Mark E., Cleveland, Ohio. Eraser holding mechanism. 2,452,795, Nov. 2.
- Savoie, Mark E., Cleveland, Ohio. Combined magnifier and telephone dialing implement. 2,453,272, Nov. 9.
- Savolainen, Unto U.: *See—*
- Chace, Paul G., and Savolainen.
- Savoy, Michael: *See—*
- Bond, Donald C., and Savoy.
- Savoy, Michael, assignor to The Pure Oil Company, Chicago, Ill. Breaking water-in-oil emulsions. 2,457,735, Dec. 28.
- Savoy, Francois, Paris, France. Stereoscopic motion-picture projection system. 2,441,674, May 18.
- Sav-Way Industries, Inc., assignee: *See—*
- Saffady, Thomas F.
- Sawhill, James M., Towson, and J. E. Skinner, assignors to The Reid-Avery Company, Dundalk, Md. Automatic welding electrode. 2,435,800, Feb. 10.
- Sawyer, Frank M., Miami, Fla. Sliding window. 2,436,020, Feb. 17.
- Sawyer, James G., Williamsville, N. Y., assignor to Curtiss-Wright Corporation. Aircraft engine cooling system. 2,456,151, Dec. 14.
- Sawyer, John F., Mills, Mass. Fish scaling device. 2,449,753, Sept. 21.
- Sawyer, Lester T., Leominster, Mass. Making hair retainers. 2,450,448, Oct. 5.
- Sawyer, Robert T., Ho-Ho-Kus, N. J., assignor to American Locomotive Company, New York, N. Y. Rotary engine power plant. 2,445,973, July 27.
- Saxon, Hilarie E., Seattle, Wash. Body garment. 2,436,610, Feb. 24.
- Sayer, William H., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Signal level and phase control. 2,441,334, May 11.
- Sayles Finishing Plants, Inc., assignee: *See—*
- Ariente, Peter J., and Allen.
- Sayre, Le Roy S., Stuttgart, Ark. Vending container. 2,433,926, Jan. 6.
- Sayward, John M., Springdale, and J. K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of tetrahalogenopyrazines. 2,442,473, June 1.
- Scaife, Charles W.: *See—*
- Levy, Norman, Scaife, and Bryson.
- Smith, Arthur E. W., Scaife, and Baldock.
- Scaffolding (Great Britain) Limited, assignee: *See—*
- Jones, William C., and Richards.
- Scaife, Charles W., Norton-on-Teess, England, assignor to Imperial Chemical Industries Limited. Stabilized dinitroethane and process. 2,441,773, May 18.
- Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Sulfur containing vat dyestuffs of the anthraquinone series. 2,441,512, May 11.
- Scalera, Mario, and R. E. Brouillard, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Pigment compositions. 2,439,222, Apr. 6.
- Scalera, Mario, Somerville, and A. W. Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing acylamino dianthrimide acridones. 2,449,011, Sept. 11.
- Scalera, Mario, Somerville, N. J., C. T. Lester, De Kalb, Ga., and E. M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. 4-alkylmorpholine sulfur trioxide compounds. 2,454,978, Nov. 30.
- Scalera, Mario, and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. 4-Amino-1,8-naphthalic imide disulfonic acids. 2,455,095, Nov. 30.
- Scandrett, Henry F.: *See—*
- Woodard, Teynham, Vettel, and Scandrett.
- Scandura, John J., Roslindale, Mass. Sterilizer. 2,457,500, Dec. 28.
- Scanlan, John T.: *See—*
- Swern, Daniel, and Scanlan.
- Scarborough, William B., assignee, as trustee: *See—*
- Fairchild, Sherman M.
- Scarborough, William E.: *See—*
- Kinyon, Allen L., and Scarborough.
- Scarlett, Edward J., Monument, Colo. Nail pouch. 2,454,346, Nov. 23.
- Scarry, Earl J., Denver, Colo. Surgeon's soap dispenser. 2,446,109, July 27.
- Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification and recovery of furfural in extractive distillation of hydrocarbons. 2,442,474, June 1.
- Schaad, Raymond E.: *See—*
- Bloch, Herman S., and Schaad.
- Schaaf, Edward J., and E. F. Greedy, Anderson, Iowa, assignors to The Midwest Co., Nebraska City, Nebr. Corn harvester. 2,434,124, Jan. 6.
- Schaaf, Fritz, Basel, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparation for the care of the skin. 2,437,561, Mar. 9.
- Schaaf, Louis W., Jackson Heights, S. Walde, Flushing, and R. Feitl, Brooklyn, assignors to Walde Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling opened retaining rings. 2,441,846, May 18.
- Schaafsma, Albert, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Regenerating spent internal-combustion engine lubricating oils. 2,446,489, Aug. 3.
- Schaal, Alvin H., Butte, Mont. Cylinder cap. 2,439,696, Apr. 13.
- Schabelitz, Ernest J., Rincon, Calif. Treating bituminous coal. 2,453,543, Nov. 9.
- Schabelitz, Ernest J., Rincon, Calif. Preparing and coking bituminous coal. 2,453,544, Nov. 9.
- Schaber, Elmer, Cold Spring, Ky. Tire chain. 2,450,487, Oct. 5.
- Schaberle, George S., Philadelphia, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J. Synthetic jewel or bearing material and making same. 2,440,833, May 4.
- Schacht, William F., Huntington, Ind. Cattle marker. 2,440,023, Apr. 20.
- Schächter, Oszasz: *See—*
- Farkas, Ladislaus G., and Schächter.
- Schade, Frank S.: *See—*
- Schade, John and F. S.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Easel book construction for ring books or loose-leaf binders. 2,451,694, Oct. 19.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Visible index. 2,452,687, Nov. 2.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Ring binder. 2,435,848, Feb. 10.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Post binder mechanism. 2,437,617, Mar. 9.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Binder mechanism. 2,447,775, Aug. 24.

- Schade, John and F. S., assignors to National Blank Book Company, Holyoke, Mass. Binder for loose sheets. 2,443,150, June 8.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Rectifier system. 2,439,223, Apr. 6.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode-ray beam deflecting circuits. 2,440,786, May 4.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television tube control system having interconnected deflecting coil and accelerating electrode. 2,440,787, May 4.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Dark spot corrector. 2,445,040, July 13.
- Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Lens system for telescopes. 2,441,036, May 4.
- Schaeferle, Henry, Denver, Colo. Lawn nozzle support. 2,446,723, Aug. 10.
- Schaeferle, Raymond J., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Limit switch. 2,442,711, June 1.
- Schaefer, Adolph O., Whitpain Township, Montgomery County, assignor to The Midvale Company, Philadelphia, Pa. Ferrous alloys and rotor forgings for gas turbines. 2,453,598, Nov. 9.
- Schaefer, Arthur E., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Soluble basic dyes. 2,435,905, Feb. 10.
- Schaefer, Cyril L., Chicago, and N. H. Swanson, Zion, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Coil-winding apparatus. 2,434,591, Jan. 13.
- Schaefer, Frederic, assignee: *See*—
Couter, Andrew F.
Otterson, Oscar.
- Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,455,316, Nov. 30.
- Schaefer, Frederick, North Plainfield, N. J. Safety guard-rail. 2,449,326, Sept. 14.
- Schaefer, Frederick, and L. R. Watters, North Plainfield, N. J. Kitchen fork with ejector. 2,442,551, June 1.
- Schaefer, Jacob W.: *See*—
Goldsmith, Elsworth H., Terry, and Schaefer.
- Schaefer, Norman G., Jersey City, N. J. C-clamp with laterally adjustable arm extensions. 2,450,994, Oct. 12.
- Schaefer, Simon, assignee: *See*—
Curtis, Harry D.
- Schaefer, Vincent J.: *See*—
Langmuir, Irving, and Schaefer.
- Schaeffer, Benjamin B.: *See*—
Ault, Waldo C., and Schaeffer.
- Schaeffer, Benjamin B., Upper Darby, Pa., assignor to United States of America, as represented by Secretary of Agriculture. Preparing an alkylolamide of trihydroxystearic acid. 2,440,349, Apr. 27.
- Schaeffer, Benjamin B., Upper Darby, Pa., assignor to United States of America as represented by the Secretary of Agriculture. Alkylol amine salts of hydroxy fatty acids and process for their preparation. 2,448,626, Sept. 7.
- Schaeffer, Donald W., Dayton, Ohio. Internal-combustion engine. 2,439,867, Apr. 20.
- Schaeffer, Edward G., Holyoke, Mass. Producing electrical outlet plugs. 2,445,537, July 20.
- Schaelchlin, Walter, Pittsburgh, Pa., and H. H. Curry, Morristown, N. J.; said Schaelchlin assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current generator fed motor control system. 2,439,951, Apr. 20.
- Schaelchlin, Walter, and K. Mahanke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and system for electric control purposes. 2,454,216, Nov. 16.
- Schaerer, August A.: *See*—
Stewart, Hall, and Schaerer.
- Schaetzly, William F., Louisville, Ky. Swing joint. 2,443,395, Aug. 31.
- Schafer, Minnie M., San Diego, Calif. Bathtub handhold construction. 2,436,903, Mar. 2.
- Schaffner, Claude, New Haven, Conn. Dress pattern marker. 2,448,627, Sept. 7.
- Schafranek, Julius, Newark, N. J. Flashlight holder. 2,434,440, Jan. 13.
- Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Staple feeder. 2,439,189, Apr. 6.
- Schaich, Wilbur A., Glen Ellyn, Ill. Rear sight and latch for firearms. 2,446,556, Aug. 10.
- Schairer, George S., Seattle, Wash., assignor to Boeing Airplane Company. Alternate passage double ring cowl. 2,455,385, Dec. 7.
- Schaller, Leo N., Corning, N. Y. Paint can hanger. 2,448,628, Sept. 7.
- Schanke, Phillip W.: *See*—
Geddes, Walter H., and Schanke.
- Scharaga, David I., Mount Vernon, N. Y. Child's convertible chair table. 2,435,290, Feb. 3.
- Scharf, Charles, Ridgefield, N. J. Strip print album. 2,444,853, July 6.
- Scharif, Fritz M., Lorain, Ohio, assignor to National Tube Company. Rolling mill roll. 2,452,266, Oct. 26.
- Schärli, Otto: *See*—
Gaudenzi, Arthur, and Schärli.
- Scharmann, Walter G.: *See*—
Barr, Frank T., and Scharmann.
- Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,451,879, Oct. 19.
- Scharmann, Walter G., Westfield, and Frank T. Barr, Summit, N. J., assignors to Standard Oil Development Company. Producing motor fuel. 2,436,938, Mar. 2.
- Scharnhorst, Henry, Edinburg, Tex. House construction. 2,445,368, July 20.
- Scharping, Otto W., assignor to The Martindale Electric Company, Cleveland, Ohio. Milling machine. 2,449,179, Sept. 14.
- Scharton, George: *See*—
Gibbon, William, and Scharton.
- Scharwath, Herman J., assignee: *See*—
Scharwath, John A.
- Scharwath, John A., Montclair, assignor of one-third to H. J. Scharwath, Union, N. J. Apparatus for making building units. 2,457,070, Dec. 21.
- Schattle, Roland B., West Hempstead, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Brush assembly. 2,441,210, May 11.
- Schatz, Albert: *See*—
Waksman, Selman A., and Schatz.
- Schatz, Karl, Peekskill, N. Y. Food cutting utensil. 2,452,328, Oct. 26.
- Schatz, Sherman A., Charleston, W. Va. Explosive bullet. 2,452,072, Oct. 26.
- Schaufelberger, Henry W.: *See*—
Moss, Earl C., and Schaufelberger.
- Schaufelberger, William F., Pleasant Grove, N. J., assignor, by mesne assignments, to The Harvel Corporation. Destructive distillation of cashew nut shell liquid and product thereof. 2,447,432, Aug. 17.
- Schebler, Carl L., St. Louis, F. Douglas, Brentwood, and L. A. Claquin, Riverview Gardens, assignors to The Emerson Electric Mfg. Co., St. Louis, Mo. Refrigerated electrode. 2,448,896, Aug. 31.
- Schecter, Jack H.: *See*—
Aurilio, Joseph M., and Schecter.
- Schedin, Robert S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Two-speed motor drive for loom letoffs. 2,450,488, Oct. 5.
- Scheer, Herman: *See*—
Held, Joseph, and Scheer.
- Scheff, Frederick K., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for continuously processing strips. 2,448,835, Sept. 7.
- Scheffler, Raymond J., assignee: *See*—
Wheeler, Harold A.
- Scheffel, Alexander: *See*—
Elsas, William D., Lowengardt, and Scheffel.
- Schehl, Charles A.: *See*—
Dunkelberger, George F., and Schehl.
- Scheib, Burton V., Toledo, Ohio. Wire applying forceps. 2,455,609, Dec. 7.
- Scheibbl, James R.: *See*—
Bergsteinsson, Ingolfur, and Scheibbl.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Multistage hydrocarbon cracking process. 2,436,486, Feb. 24.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,439,582, Apr. 13.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Exothermic catalytic reactions. 2,446,247, Aug. 3.
- Scheiwer, Albert T., Erie, Pa. Coupling. 2,448,688, Sept. 7.
- Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Antenna. 2,447,879, Aug. 24.
- Schelnunoff, Sergei A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dipole antenna. 2,435,609, Feb. 10.
- Schell, Homer L.: *See*—
Weesner, Carl W., Leffingwell, Babylon, and Schell.
- Schell, Paul, Elkhart, assignor to Penn Electric Switch Co., Goshen, Ind. Thermal cutout. 2,456,153, Dec. 14.
- Schell, Roger E., West Collingswood, N. J., assignor to Radio Corporation of America. Check circuit for inspection apparatus. 2,439,490, Apr. 13.
- Schellenberg, Henri: *See*—
Hoffmann, Karl, Schellenberg, and Miescher.
- Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave modifying device. 2,443,643, June 22.
- Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code modulation communication system. 2,453,461, Nov. 9.
- Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,453,760, Nov. 16.
- Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Self-starting synchronous motor. 2,436,231, Feb. 17.
- Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Timing switch. 2,444,146, June 29.

- Schelling, Clarence J., Chicago, Ill. Cutoff switch for screw feeders. 2,452,395, Oct. 26.
- Schellman, Joseph H., Ridley Park, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Moisture-proofed plunger snap switch. 2,451,176, Oct. 12.
- Schenk, Edouard H., New York, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Aircraft control lever. 2,441,211, May 11.
- Schenk, Edouard H., New York, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Lever for aircraft controls. 2,441,212, May 11.
- Schenke, Kurtiss P., New York, N. Y. Self-cleaning strainer. 2,440,384, Apr. 27.
- Schenkeberger, Frank J., Cleveland, Ohio. Swivel coupling. 2,443,993, June 22.
- Schenley Distillers Corporation, assignee: *See*—
Volk, Anthony.
- Scher, Joseph, New York, N. Y. Folding box. 2,454,573, Nov. 23.
- Scherer, Wayne R., Trooper, assignor to Taylor Fibre Company, Norristown, Pa. Producing connector bars. 2,446,490, Aug. 3.
- Schering Corporation, assignee: *See*—
Butenandt, Adolf.
Hershberg, Emanuel B.
Ryer, August I., and Frisch.
Schwenk, Erwin, and Papa.
Serini, Arthur, and Logemann.
Tarpley, William B., Jr., and Ryer.
- Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.
- Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.
- Schermuly, Conrad D., A. J., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, Surrey, England. Rocket. 2,437,211, Mar. 2.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Smoke, signal, or illuminating flare. 2,445,640, July 20.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, Surrey, England. Rocket. 2,446,110, July 27.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Illuminating flare. 2,448,471, Aug. 31.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Water-borne flare and the like. 2,449,913, Sept. 21.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Illuminating flare. 2,451,121, Oct. 12.
- Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Rocket and the like. 2,451,981, Oct. 19.
- Schermuly, Conrad D., A. J., and C., assignors to The Schermuly Pistol Rocket Apparatus Limited, Parkgate, Newdigate, England. Means for discharging rockets. 2,454,096, Nov. 16.
- Schermuly Pistol Rocket Apparatus Limited, assignee: *See*—
Schermuly, Conrad D., A. J., and C.
- Scherr, Oscar L., assignor to Industrial Patents Corporation, Chicago, Ill. Hydroxylamine stabilized fatty materials. 2,441,547, May 11.
- Scherzinger, Frank F., Henderson, Nev. Shopping bag with foldable, extensible top. 2,454,013, Nov. 16.
- Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Maine. Staking machine. 2,454,347, Nov. 23.
- Schetty, Guido, assignor to J. R. Geigy A.-G., Basel, Switzerland. 4-halogenomethyl-1:8-naphthosulfones and a process for their manufacture. 2,451,579, Oct. 19.
- Scheuer, Clemens, Forest Hills, N. Y. Apparatus for making hollow plastic articles. 2,449,512, Sept. 14.
- Scheuer, Clemens, Forest Hills, N. Y. Display fixture. 2,456,737, Dec. 21.
- Schibbye, Lauritz B., Essvik, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Heat exchanging apparatus. 2,449,822, Sept. 21.
- Schlecker, Albert C., assignor to The Ajax Thermostatic Controls Co., Cleveland, Ohio. Pilot burner guard. 2,434,627, Jan. 13.
- Schideler, Pierre, New York, N. Y., and C. P. Davis, Stamford, Conn., assignors to Chemical Construction Corporation, New York, N. Y. Manufacture of hexamethylene tetramine. 2,449,040, Sept. 7.
- Schleder, John H., Los Angeles, Calif. Ski binding. 2,450,526, Oct. 5.
- Schieferstein, Roy H., San Diego, Calif. Shoe tree straightener for shoes. 2,442,826, June 8.
- Schiffelbin & Co., assignee: *See*—
Tallman, Ralph C., and Stuart.
- Schler, Wallace: *See*—
Doggett, David L., and Schler.
- Schlessl, Herbert A., Seattle, Wash. Window frame. 2,440,918, May 4.
- Schlessler, Robert W., State College, Pa., and J. H. Ross, Montreal, Quebec, Canada. Preparing 1:3:5 trinitro hexahydro s-triazine. 2,434,230, Jan. 6.
- Schiff, Charles, Montclair, N. J. Enclosed electroplating tank. 2,439,491, Apr. 13.
- Schiffman, Charles, assignee: *See*—
Orlove, Max.
- Schiffrin, Moses J., Laurelton, N. Y. Artificial fur fabric. 2,449,416, Sept. 14.
- Schiffrin, Moses J., New York, N. Y. Fur coat construction. 2,436,489, Feb. 24.
- Schifter, Joseph, and H. L. Burkitt, New York, N. Y. Blind stitch sewing machine. 2,440,811, May 4.
- Schild, John A.: *See*—
Hayward, James R., Schild, and Hartup.
- Schild, Otto, La Chaux-de-Fonds, Switzerland. Synchronous electric motor with automatic starter. 2,452,958, Nov. 2.
- Schilling, Albert A., Stratford, and W. L. Finlay, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Corrosion resistant coated steel. 2,448,397, Aug. 31.
- Schilling, Lorell J., Galesville, Wis., assignor to Babson Bros. Co. Current limiting transformer. 2,445,088, July 13.
- Schilling, Lorell J., Galesville, Wis., assignor to Babson Bros. Co. Latch for electric fence gates. 2,454,348, Nov. 23.
- Schimpff, Charles H., Pasadena, Calif. Displaying and dispensing apparatus. 2,435,755, Feb. 10.
- Schindler, Carl: *See*—
Kyle, William D., Jr., and Schindler.
- Schindler, Hans, Evanston, assignor to The Pure Oil Company, Chicago, Ill. Hydroaromatic sulfonates and their preparation. 2,455,811, Dec. 7.
- Schindler, Hans, Evanston, and P. T. Anderson, Park Ridge, assignors to The Pure Oil Company, Chicago, Ill. Rust preventive slushing compound for cartridge clips. 2,453,816, Nov. 16.
- Schink, Norbert F.: *See*—
Kerr, Ralph W., and Schink.
- Schiring, Ralph C.: *See*—
Goldfield, Edwin R., and Schiring.
- Schirmer, Cyrus T., Wayland, and M. Knobel, Arlington, Mass., assignors, by mesne assignments, to Redmond Company, Inc. Automatic door operator. 2,450,021, Sept. 28.
- Schiro, Raymond M. G., assignor to Chain Belt Company, Milwaukee, Wis. Material distributing apparatus. 2,457,604, Dec. 28.
- Schirokauer, Henry, New York, N. Y., now by change of name H. A. Sherwood. Service indicator. 2,435,907, Feb. 10.
- Schivley, George W., Buchtel, and P. W. Springer, Dayton, Ohio. Folded dipole. 2,452,073, Oct. 26.
- Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Angle drive mechanism coupling power plant and vehicle axle. 2,435,930, Feb. 10.
- Schlachter, Otto E., East Cleveland, Ohio, assignor to Bryant Heater Company. Gas mixer. 2,443,933, June 22.
- Schlage, Anna, executrix: *See*—
Schlage, Walter R.
- Schlage Lock Company, assignee: *See*—
Schlage, Walter R.
- Schlage, Walter R., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,434,288, Jan. 13.
- Schlage, Walter R., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,435,238, Feb. 3.
- Schlage, Walter R., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Door lock. 2,450,449, Oct. 5.
- Schlappfer, Oscar, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Diesel-electric vehicle with automatic field weakening of the driving motors. 2,437,483, Mar. 9.
- Schlappfer, Oscar, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Diesel-electric vehicle with automatic field weakening of the driving motors. 2,442,665, June 1.
- Schlappfer, Oskar, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Electric generating plant for the drive of vehicles. 2,451,242, Oct. 12.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with ortho-sulfobenzimide. 2,455,611, Dec. 7.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with the alkali metal salts and the alkaline earth metal salts of ortho-sulfobenzimide. 2,455,612, Dec. 7.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with the dialkyl tin salts of ortho-sulfobenzimide. 2,455,613, Dec. 7.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions comprising a polyvinyl chloride resin stabilized with the lead salt of ortho-sulfobenzimide. 2,455,614, Dec. 7.
- Schlecht, Harold G., Palatka, Fla. Mechanical operating rocket supported bodies. 2,434,081, Jan. 6.
- Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Pull clasp. 2,438,651, Mar. 30.
- Schlegel, Kurt, New York, N. Y. Dough-preparing device for latticework pie crust. 2,453,509, Nov. 9.

Schlegel Manufacturing Company, The, assignee: *See—*

Schlegel, Charles P.

Schlegel, Walter L., Jr., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Snubber. 2,447,368, Aug. 17.

Schleicher, Otto L.: *See—*

Muir, George, and Schleicher.

Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Butt contact mounting for rotary switches. 2,453,161, Nov. 9.

Schleir, Walter R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Drawing fibers. 2,453,864, Nov. 16.

Schleimer, Floyd V., San Francisco, Calif. Photographic printing easel. 2,454,097, Nov. 16.

Schlenker, Max E.: *See—*

MacLean, John E., and Schlenker.

Schlenkert, John E., Detroit, Mich. Angle cutter. 2,440,978, May 4.

Schlesinger, Harry, Des Moines, Iowa. Vaporizing and disseminating device. 2,435,756, Feb. 10.

Schlesinger, Kurt, New York, N. Y., assignor to Radio Corporation of America. Television amplifier. 2,444,854, July 6.

Schlesman, Carleton H.: *See—*

Francis, Alfred W., and Schlesman.

Schlesman, Carleton H., Allentown, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Gelation process involving supersonic treatment. 2,457,091, Dec. 21.

Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fractionation in presence of radiant energy. 2,455,812, Dec. 7.

Schlesman, Carleton H., Camden, W. I. Denton, Woodbury, and R. B. Bishop, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of phenol by catalytic oxidation of benzene. 2,456,597, Dec. 14.

Schlett, Otto, Woodside, N. Y. Combination emergency wheel and antiskid device. 2,452,688, Nov. 2.

Schley, Charles C., George West, Tex. Wire tightener. 2,447,093, Aug. 17.

Schley, Thomas E., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pipe exchanger scraper. 2,449,012, Sept. 7.

Schlicksupp, Theodore F., Long Island City, N. Y. Rotary and sliding ball bearing. 2,451,359, Oct. 12.

Schlieder, Harold A., assignor to Northern Equipment Company, Erie, Pa. Level responsive control device. 2,450,739, Oct. 5.

Schlitters, Michael J., Grosse Pointe Park, Mich. Slide assembly for machine tools. 2,435,849, Feb. 10.

Schlitters, Michael J., Grosse Pointe Park, Mich. Slide assembly for machine tools. 2,449,327, Sept. 14.

Schlitz, Jos., Brewing Company, assignee: *See—*

Uihlein, Erwin C., and Lawrie.

Schlosser, Arthur G., assignor to Candler-Hill Corporation, Detroit, Mich. Shaft seal. 2,438,457, Mar. 23.

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Improving the processing of refined chemical pulp into viscose. Re. 23,013, June 29.

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Chemically treated wood pulp and producing a cellulosic product. 2,451,553, Oct. 19.

Schlote, G. F., & Company, Inc., assignee: *See—*

Schlote, Royal H.

Schlote, Royal H., assignor to G. F. Schlote & Company, Inc., Milwaukee, Wis. Helical spring actuated sliding side jaw wrench. 2,447,094, Aug. 17.

Schlumberger, Marcel, Paris, France; vested in the Attorney General of the United States. Well conditioning apparatus. 2,457,277, Dec. 28.

Schlumberger Well Surveying Corporation, assignee: *See—*

Blanchard, André.

Doll, Henri-Georges, and Miller.

Mennecier, Maurice.

Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Traverse motion. 2,451,243, Oct. 12.

Schmadlewsky, Paul, Portland, Oreg. Retouching frame. 2,455,096, Nov. 30.

Schmelzer, Rupert J., Madison, Wis., assignor to Ray-O-Vac Company. Leakproof dry cell. 2,445,005, July 13.

Schmerling, Louis: *See—*

Ipatieff, Vladimir N., and Schmerling.

Linn, Carl B., and Schmerling.

Schmerling, Louis, assignor to Universal Oil Products Company, Chicago, Ill. Methylation of aromatic hydrocarbons. 2,447,599, Aug. 24.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of hydrocarbons. 2,434,289, Jan. 13.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of liquid hydrocarbons. 2,435,983, Feb. 17.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of alkyl cycloalkyl halides. 2,436,058, Feb. 17.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of monocycloalkanes. 2,436,490, Feb. 24.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Producing a cycloolefin. 2,436,491, Feb. 24.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halocycloalkanes. 2,447,139, Aug. 17.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of bicycloparaffins. 2,448,156, Aug. 31.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of ethylene. 2,450,451, Oct. 5.

Schmerling, Louis, and V. N. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of alkylated aromatic hydrocarbons. 2,442,878, June 8.

Schmertz, William E., Pittsburgh, Pa. Metal teeming. 2,453,643, Nov. 9.

Schmid, Arthur W., Brookside Farm, Pa. Apparatus for feeding glass. 2,448,915, Sept. 7.

Schmid, Martin, Lucerne, Switzerland. Motor sled. 2,450,566, Oct. 5.

Schmid, William, Bronson, Mich. Electric switch. 2,446,789, Aug. 10.

Schmid, William, and W. E. Fillmore, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Stripping means for molds. 2,439,782, Apr. 13.

Schmidinger, Joseph, Lake George, N. Y. Supervisory indicating circuit. 2,450,450, Oct. 5.

Schmidinger, Joseph, Lake George, N. Y., and P. Sitzer. Irvington, N. J.; said Sitzer assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Protective means and system for load circuits. 2,441,979, May 25.

Schmidli, Escher A., New York, N. Y. Cement type shoe with cushioning means. 2,434,370, Jan. 13.

Schmidling, Gilbert T., New York, N. Y. Phosphorescent resin composition. 2,436,182, Feb. 17.

Schmidt, Bernard O., Caroline, Wis. Wire clothespin. 2,457,736, Dec. 28.

Schmidt, Benjamin F., Los Angeles, Calif. Knife sharpener. 2,448,629, Sept. 7.

Schmidt, Benjamin F., Los Angeles, Calif. Submersible double-acting fluid piston deep well pump. 2,455,022, Nov. 30.

Schmidt, Carl P., assignee: *See—*

Schmitt, Frank R.

Schmidt, David, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Turbine thermal power plant using hot air as motivating fluid. 2,453,938, Nov. 16.

Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-transfer mechanism. 2,434,963, Jan. 27.

Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Variable-speed device. 2,456,738, Dec. 21.

Schmidt, Edwin L., Kew Gardens, assignor to The Tele-register Corporation, New York, N. Y. Airway traffic control system. 2,443,199, June 15.

Schmidt, Elmer A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Resistance unit for flashlights. 2,453,865, Nov. 16.

Schmidt, Ernest H., Mankota, Minn. Bottle transferring apparatus. 2,442,827, June 8.

Schmidt, Ernest H., Jr., Williamstown, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Harmonic two-phase motor damping circuits. 2,455,610, Dec. 7.

Schmidt, Fred H., Dallas, Tex., assignor to Eastman Oil Well Survey Company, Denver, Colo. Inclination indicating device. 2,449,674, Sept. 21.

Schmidt, George C., assignor, by mesne assignments, of one-half to L. R. Schmidt, and one-half to R. G. Schmidt, Pittsburgh, Pa. Soap feeder. 2,449,513, Sept. 14.

Schmidt, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. Electrode spacer for electron discharge tubes. 2,437,972, Mar. 16.

Schmidt, Henry D.: *See—*

Morehead, John H., and Schmidt.

Schmidt, Howard F., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane anti-icing system. 2,447,095, Aug. 17.

Schmidt, John G., assignor to A. V. Whittington, Detroit, Mich. Collet chuck. 2,454,098, Nov. 16.

Schmidt, Oliver G., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Flat top conveyor chain. 2,440,212, Apr. 20.

Schmidt, Otto D., East Cleveland, and S. A. Condella, Lyndhurst, Ohio. Apparatus for attaching shoe soles to uppers. 2,440,788, May 4.

Schmidt, Paul A., near Earlville, Ill. Insulator. 2,438,419, Mar. 23.

Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron. 2,455,952, Dec. 14.

Schmidt, Robert G., assignee, et al.: *See—*

Schmidt, George C.

Schmidt, Lois R., assignee, et al.: *See—*

Schmidt, George C.

Schmidt, William A.: *See—*

Hill, Thomas C., and Schmidt.

Schmidt, William B., Chicago, Ill. Safety device for amusement park rides. 2,435,471, Feb. 3.

- Schmidt, William E., Chicago, Ill. Water-cooled furnace supporting member. 2,436,452, Feb. 24.
- Schniege, Herbert F., Chesaning, Mich. Photoalbum leaf. 2,455,023, Nov. 30.
- Schmiel, Herbert H., assignor to Hydraulic Equipment Company, Cleveland, Ohio. Tank unit with submerged valve and external pump. 2,456,651, Dec. 21.
- Schmitt, Arthur J., Chicago, Ill. Mounting means more particularly for radio sockets. 2,441,907, May 18.
- Schmitt, Bernard A., Chicago, Ill. Sewing machine. 2,435,291, Feb. 3.
- Schmitt, Bernard A., Chicago, Ill. Sewing machine. 2,435,292, Feb. 3.
- Schmitt, Frank R., Hollis, N. Y., assignor to C. P. Schmidt, Towson, Md. Bread package. 2,441,513, May 11.
- Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Lighter. 2,444,956, July 13.
- Schmitt, George P., assignor to Cardinal Products Inc., New York, N. Y. Lighter. 2,445,890, July 27.
- Schmitt, John A., Milwaukee, Wis. Garment hanger. 2,448,282, Aug. 31.
- Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Radio-frequency power meter. 2,442,619, June 1.
- Schmitt, William H., Grand Rapids, Mich. Potato slicer having a stationary wire grid and a reciprocating plunger. 2,450,740, Oct. 5.
- Schmitter, Walter P.: *See—*
Falk, Louis W., Schmitter, and Maurer.
- Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Fan drive. 2,441,446, May 11.
- Schmitz, Anton W., Schenectady, N. Y., assignor to General Electric Company. Electrical tensioning control system. 2,437,973, Mar. 16.
- Schmitz, Carl E., assignor to Crane Packing Company, Chicago, Ill. Rotary seal. 2,443,151, June 8.
- Schmitz, Norbert L.: *See—*
Seeger, Edwin W., and Schmitz.
- Schmitz, William L., Jr., San Marino, Calif. Introducer. 2,446,724, Aug. 10.
- Schmitz, William R., Jr.: *See—*
Bradshaw, William H., and Schmitz.
- Schmuck, L. R., assignee, et al.: *See—*
Michela, John P.
- Schmunk, John D.: *See—*
Ricketts, Denton R., Huffman and Schmunk.
- Schneider, Adolf G., Muncie, Ind., assignor, by mesne assignments, to Schneider Brothers Company, a co-partnership composed of H. and V. Schneider, Hamilton, Ohio, and A. G. and E. Schneider, Muncie, Ind. Variable speed transmission. 2,456,328, Dec. 14.
- Schneider, Adolph P., deceased, Allentown, Pa.; Allentown National Bank and M. P. Schneider, executors. Head-down persuader. 2,440,878, May 4.
- Schneider, Allan K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making nylon fabrics elastic by treatment with formaldehyde. 2,441,085, May 4.
- Schneider & Cie., assignee: *See—*
de Fourchambault, Maurice de B.
- Schneider, Beason J.: *See—*
Adler, Leon, Johnson, and Schneider.
- Schneider Brothers Company, assignee: *See—*
Schneider, Adolf G.
- Schneider, Charles F., San Antonio, Tex. Funnel for casting explosive charges. 2,435,610, Feb. 10.
- Schneider, Cale J., Toledo, Ohio. Partitioning means for partible bodies. 2,447,096, Aug. 17.
- Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Adjustable compensating turntable drive. 2,439,026, Apr. 6.
- Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Idler system for phonograph turntable drives. 2,451,304, Oct. 12.
- Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Rubber grommet. 2,456,087, Dec. 14.
- Schneider, Erna: *See—*
Schneider, Adolf G.
- Schneider, Everett J., assignor to Sylvania Electric Products Inc., Emporium, Pa. Electrophoresis coating of electron tube parts. 2,442,863, June 8.
- Schneider, Everett J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Electrophoresis coating of electron tube parts. 2,442,864, June 8.
- Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Self-raising lid for use with cooking ovens. 2,434,592, Jan. 13.
- Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Cooking oven. 2,453,939, Nov. 16.
- Schneider, Gerhard G., and F. L. Donohue, Maplewood, assignors to National Union Radio Corporation, Newark, N. J. Automatic grid winding machine. 2,441,228, May 11.
- Schneider, Gerhard G., and F. L. Donohue, Maplewood, assignors to National Union Radio Corporation, Newark, N. J. Heater folding machine. 2,448,916, Sept. 7.
- Schneider, Gerhard G., Maplewood, assignor to National Union Radio Corporation, Newark, N. J. Tube sealing machine. 2,455,317, Nov. 30.
- Schneider, Harold W., Terrell, Tex. Drill jig. 2,455,024, Nov. 30.
- Schneider, Hans: *See—*
Schneider, Jules and H.
- Schneider, Helmuth G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Zinc-oxide-bismuth oxide catalyst. 2,436,733, Feb. 24.
- Schneider, Heinrich: *See—*
Schneider, Adolf G.
- Schneider, Hermann: *See—*
Straub, Fritz, Widmer, and Schneider.
- Schneider, Jules and H., La Chaux de Fonds, Switzerland. Machine for electric welding of dial feet onto dial plates. 2,434,814, Jan. 20.
- Schneider, Max S., Chicago, Ill. Portable filter. 2,448,157, Aug. 31.
- Schneider, Mayme P., executor, et al.: *See—*
Schneider, Adolph P.
- Schneider, Nathan H.: *See—*
Nicholson, Ragnar C., and Schneider.
- Schneider, Paul L., and D. H. Dudderar, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Windshield wiper blade operating mechanism. 2,452,496, Oct. 26.
- Schneider, Robert H., Madison, Wis., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Sterile distribution and drawoff system. 2,456,152, Dec. 14.
- Schneider, Rudolph G., assignor to American Furniture & Toy Company, Houston, Tex. Convertible four way child's chair. 2,440,979, May 4.
- Schneider, Viva: *See—*
Schneider, Adolf G.
- Schneider, Walter E., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,437,792, Mar. 16.
- Schneider, Warren J.: *See—*
Gustafson, Wayne A., and Schnider.
- Schneider, William H., Milwaukee, Wis. Collet. 2,441,599, May 18.
- Schneider, Wilhelm: *See—*
Zeh, Walter, Schneider, and Fröhlich.
- Schneiderman, Eli, Irvington, and D. Tamburi, Newark, N. J. Guard means for fluorescent lights. 2,448,236, Aug. 31.
- Schneir, Herman, Chicago, Ill. Container filler. 2,447,281, Aug. 17.
- Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure compounding system. 2,436,268, Feb. 17.
- Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Compounding master cylinder. 2,448,194, Aug. 31.
- Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake with two anchoring shoes and wear take-up means therefor. 2,453,866, Nov. 16.
- Schneller, Rudy F.: *See—*
Klein, Victor G., and Schneller.
- Schnepel, Frederick V., Middle River, Md. Ash tray. 2,452,871, Nov. 2.
- Schnetzler, George W., Jr.: *See—*
Schubert, Alvin E., and Schnetzler.
- Schnider, Otto, J. Bourquin, and A. Grüssner, Basel Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of a thiophan derivative. 2,454,217, Nov. 16.
- Schniepp, Lester E., Peoria, Ill., assignor to the United States of America, as represented by the Secretary of Agriculture. Purification of acetic acid by azeotropic distillation. 2,438,300, Mar. 23.
- Schnoll, Nathan, Palisade, N. J. Portable indicator device for ordinary two prong plugs. 2,449,150, Sept. 14.
- Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane mill. 2,448,195, Aug. 31.
- Schnyder, Auxilius P., Teaneck, N. J. Debarking apparatus. 2,448,689, Sept. 7.
- Schock, Gusmer & Co., Inc., assignee: *See—*
Weiss, Hans H., and Tabacchi.
- Schoder, Erlo F., Union, N. J., assignor to Standard Oil Development Company. Dust separator equipment. 2,456,329, Dec. 14.
- Schoebel, Henry, West Hempstead, Long Island, assignor to Elvira C. McKeeffrey Associates, New York, N. Y. Brassière. 2,446,437, Aug. 3.
- Schoelkopf, Louis F.: *See—*
Freund, Robert R., Royal, and Schoelkopf.
- Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Frequency responsive system. 2,457,278, Dec. 28.
- Schoenfeld, Earl: *See—*
Mountjoy, Garrard, Hulst, and Schoenfeld.
- Schoenfeld, Earl, Mamaroneck, N. Y., assignor to Radio Corporation of America. Timing marker and station selection apparatus. 2,450,360, Sept. 28.
- Schoenholz, Daniel: *See—*
Eisner, Robert S., and Schoenholz.
- Schoenky, Anastasia L., administratrix: *See—*
Schoenky, August R.
- Schoenky, August R., deceased, by A. L. Schoenky, administratrix, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Counter stiffener and inserting it in shoes. 2,441,646, May 18.

- Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Working up of magnesite rock, and purification of magnesium carbonate. 2,455,813, Dec. 7.
- Schoenster, Peter: *See*—
Hepp, Carlos A., and Schoenster.
- Schoepfel, John F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor structure for gyroscopes. 2,438,621, Mar. 30.
- Schoepfel, John F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Variable inductance pickup device. 2,447,212, Aug. 17.
- Schoepf, Ray, Huntington Park, Calif. Renewable fuse casing. 2,446,886, Aug. 10.
- Schofield, Arthur: *See*—
Lantz, Louis A., and Schofield.
- Schofield, E. L., Incorporated, assignee: *See*—
Schofield, E. L.
- Schofield, Earl L., and W. R. Lustig, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Bicycle kick stand. 2,454,842, Nov. 30.
- Schofield, Earl L., assignor to E. L. Schofield, Incorporated, Rockford, Ill. Foldable stretcher carrier for ambulances. 2,456,024, Dec. 14.
- Schofield, Earl L., Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio. Adjustable beer pin. 2,456,739, Dec. 21.
- Schofield, John, Jr., Rochdale, England. Weighting motion for drafting rollers. 2,437,562, Mar. 9.
- Scholes, Richard T., Hinsdale, Ill. Spike fastening means for railway tracks. 2,450,361, Sept. 28.
- Scholl Mfg. Co., Inc., The, assignee: *See*—
Gerbing, Willard E.
Hendrickson, Emil G., and La Cour.
- Scholl, William M., Chicago, Ill. Locating and positioning foot corrective appliances. 2,449,533, Sept. 14.
- Scholl, William M., Chicago, Ill. Making arch supports. 2,457,737, Dec. 28.
- Scholz, Louis A., Dayton, Ohio. Silhouette reproducing machine. 2,445,041, July 13.
- Scholz, Theodore F., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole substituted acrylic acids. 2,453,674, Nov. 9.
- Schomer, Harold A., Cedar Lane, Md., assignor to the United States of America, as represented by the Secretary of Agriculture. Reducing scald development on fruit. 2,450,615, Oct. 5.
- Schomer, Harold A., Beltsville, Md., and C. L. Hamner, Geneva, N. Y., assignors to United States of America as represented by the Secretary of Agriculture. Applying plant response substances. 2,435,056, Jan. 27.
- Schon, William K., assignor to Lear Incorporated, Piqua, Ohio. Universal coupling for linear actuators. 2,448,917, Sept. 7.
- Schonander, Nils G., assignee: *See*—
Fredholm, Johan O. H., and Claesson.
- Schonberg, Mikel: *See*—
Akerman, John D., and Schonberg.
- Schonfeld, Simon C., Youngstown, Ohio. Combined mirror and cabinet. 2,448,836, Sept. 7.
- Schonitzer, Rudolph I., Shaker Heights, Ohio. Combined door-hinging, door-checking, and door-holding device. 2,441,600, May 18.
- Schooley, Allen H., Washington, D. C. Voltage regulator circuit. 2,444,472, July 6.
- Schoonmaker, Raymond B., Poughkeepsie, N. Y. Hot line jumper clamp. 2,453,761, Nov. 16.
- Schoonover, Dan M., assignee, et al.: *See*—
Roxy, Frank C.
- Schopmeyer, Clifford S.: *See*—
Ostrom, Carl E., and Schopmeyer.
- Schopmeyer, Herman H., Hammond, Ind., assignor to American Maize-Products Company. Lactic acid composition. 2,438,326, Mar. 23.
- Schorr, John M., New Orleans, La. Plug seal for containers. 2,441,514, May 11.
- Schott, Donald E., Flushing, and G. R. Bartle, Woodside, assignors to Thomas C. Wilson, Inc., Long Island City, N. Y. Self-propelled tube cleaner having adjustable tube-engaging means. 2,455,273, Nov. 30.
- Schott, Edgar R., Benton, Mo. Time switch. 2,454,887, Nov. 30.
- Schott, John F.: *See*—
Blair, George W., Clayton, Clark, Schott, and Keen.
- Schott, John F., et al.: *See*—
Daly, Lawrence E., and Schott.
- Schott, Lawrence, Detroit, Mich. Water atomizing arrangement. 2,448,472, Aug. 31.
- Schotland, Frederic D., Forest Hills, N. Y. Electric condenser and method for making the same. 2,437,212, Mar. 2.
- Schottgen, Louis, Penwell, N. J., and M. J. Parkerton, New York, N. Y. Beer delivery and dispensing apparatus. 2,437,618, Mar. 9.
- Schouwstra, Pieter, Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Electric gas discharge tube. 2,438,579, Mar. 30.
- Schover, Donald S., Chicago, Ill., assignor to United States of America as represented by the United States Atomic Energy Commission. Float position indicator. 2,452,156, Oct. 26.
- Schowalter, Lawrence V., Cleveland, Ohio. Blanket wrapper. 2,449,675, Sept. 21.
- Schrader, Ross E., Princeton, N. J., assignor to Radio Corporation of America. Phosphor screen. 2,446,248, Aug. 3.
- Schrader, Wendall H., Des Plaines, Ill. Receptacle and closure thereof. 2,454,674, Nov. 23.
- Schrager Bros., Limited, assignee: *See*—
Panter, Charles M. R. D.
- Schram, Roy C., Grand Rapids, Mich. Freight car straightening device. 2,442,939, June 8.
- Schramm, Arthur G., Phoenix, Ariz. Elevatable bed trailer. 2,452,267, Oct. 26.
- Schramm, Arthur G., Phoenix, Ariz. Trailer construction. 2,453,388, Nov. 9.
- Schramm, Milton E., Edwardsville, Ill., assignor to Shell Development Company, San Francisco, Calif. Flow-ratio meter. 2,439,614, Apr. 13.
- Schratt, Frank A., Cincinnati, Ohio. Apparatus for treating tubular bodies. 2,451,635, Oct. 19.
- Schreiber, John H., St. Louis, Mo. Well drilling equipment. 2,434,333, Jan. 13.
- Schreiber, John H., St. Louis, Mo. Rotary cathead. 2,437,129, Mar. 2.
- Schreiber, Richard S.: *See*—
Behr, Lyell C., and Schreiber.
- Schreiber, Richard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides of high birefringence and obtaining same. 2,451,695, Oct. 19.
- Schreiner, George A., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth finishing. 2,450,022, Sept. 28.
- Schreiner, Norval P., Springfield, Mo. Convertible table. 2,446,491, Aug. 3.
- Schreter, Adolph, Baltimore, Md. Made-up bow tie. 2,450,741, Oct. 5.
- Schrock, Eugene B., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck. 2,457,182, Dec. 28.
- Schrodt, John P., D. N. Craig, and G. W. Vinal, Washington, D. C. Method and system for warming dry batteries. 2,442,380, June 1.
- Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Pickup tube for color televisions. 2,446,249, Aug. 3.
- Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Color television tube. 2,446,791, Aug. 10.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Transmission and clutch assembly. 2,446,854, Aug. 10.
- Schroeder, Clarence J., Sheboygan, Wis. Christmas tree holder. 2,455,025, Nov. 30.
- Schroeder, Fred, Mason City, Iowa. Rendering animal fats. 2,443,274, June 15.
- Schroeder, Henry L., Chicago, Ill. Bracket support for metal shelves. 2,441,721, May 18.
- Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of phenol-rubber and resorcinol-formaldehyde. 2,449,180, Sept. 14.
- Schroeder, Herman O.: *See*—
Lindquist, Arthur W., Husman, and Schroeder.
- Schroeder, John A., and H. N. Juel, Denver, Colo. Drain spout for refrigerator cars. 2,441,292, May 11.
- Schroeder, John F., South Bend, Ind. Wheel starter. 2,454,947, Nov. 30.
- Schroeder, Leroy E., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electroplating rack. 2,439,190, Apr. 6.
- Schroeder, Russell N., Inglewood, Calif. Protective hood. 2,447,433, Aug. 17.
- Schroeder, Simon E., Oshkosh, assignor to Barlow & Seelig Manufacturing Company, Ripon, Wis. Wringer. 2,442,879, June 8.
- Schroeder, Simon E., assignor to Barlow & Seelig Manufacturing Company, Ripon, Wis. Grinding machine. 2,448,551, Sept. 7.
- Schroeder, Walter H., Los Angeles, Calif. Kite. Re. 23,034, Aug. 31.
- Schroeder, Wilburn C., Calvert Hills, and A. A. Berk, Berwyn Heights, Md., assignors to United States of America as represented by the Secretary of the Interior. Water treatment to prevent embrittlement cracking. 2,454,258, Nov. 16.
- Schroeder, William M., Waukegan, Ill. Internal-combustion engine. 2,439,265, Apr. 6.
- Schub, Robert I., Chicago, Ill., assignor to J. A. Stone, trustee. Removing resin coating from copper wire. 2,435,239, Feb. 3.
- Schubel, Victor N., Dearborn, Mich. Control device. 2,456,998, Dec. 21.
- Schubert, Alvin E., and G. W. Schnetzer, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Lens mount locking ring. 2,441,104, May 4.
- Schuck, Carl L., Drexel Hill, Pa., assignor to General Electric Company. Circuit interrupting device. 2,435,472, Feb. 3.
- Schuck, Carl L., Drexel Hill, Pa., assignor to General Electric Company. Current limiting fuse. 2,439,674, Apr. 13.
- Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Compensator for doppler effect. 2,438,580, Mar. 30.

- Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Method and apparatus for monitoring underwater echo range and bearing systems. 2,456,598, Dec. 14.
- Schuck, Raymond W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed bearing. 2,447,671, Aug. 24.
- Schuessler, Frederick W.: *See—*
Lemmon, Norman E., and Schuessler.
- Schuetz, Clyde C., Mount Prospect, assignor to United States Gypsum Company, Chicago, Ill. Insulating material and making same. 2,442,519, June 1.
- Schuetz, Clyde C., Mount Prospect, assignor to United States Gypsum Company, Chicago, Ill. Water-setting cement composition. 2,446,990, Aug. 10.
- Schug, Howard L., Palo Alto, Calif., assignor to The Hoover Company, North Canton, Ohio. Magnetic coupling and bearing. 2,436,939, Mar. 2.
- Schuh, Charles N., Jr.: *See—*
Dawson, Edward, Watkins, and Schuh.
Watkins, Frederic M., and Schuh.
- Schulein, Joseph, Corvallis, Oreg. Regenerating anodizing baths. 2,436,940, Mar. 2.
- Schuler, Leo T., Ruthven, Iowa. Slip ring cutting machine. 2,438,130, Mar. 23.
- Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Tape perforator. 2,456,740, Dec. 21.
- Schulman, Earl L., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composite asbestos member. 2,454,218, Nov. 16.
- Schulman, Frank, Louisville, Ky. Shoulder pad. 2,439,991, Apr. 20.
- Schulte, Charles F., Columbus, Ohio. Toothbrush holder. 2,440,385, Apr. 27.
- Schulte, James A., Sperry, Iowa. Mixing and self-unloading farm truck. 2,438,301, Mar. 23.
- Schultz, Albert, Okeene, Okla. Tractor hitch. 2,442,439, June 1.
- Schultz, Albert C., Protection, Kans. Pipe puller. 2,442,249, May 25.
- Schultz, Anthony J., assignor of one-half to E. Crosby, St. Paul, Minn. Tire deflation indicator. 2,455,524, Dec. 7.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Aviation, Inc. Buoyant ground station. 2,449,417, Sept. 14.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Air delivery container. 2,454,616, Nov. 23.
- Schultz, Edward S., Buffalo, N. Y., and C. D. Morton, Oak Park, Ill.; said Morton assignor to said Schultz. Closure for fountain pens and the like. 2,438,231, Mar. 23.
- Schultz, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,434,594, Jan. 13.
- Schultz, Fred M., assignor of one-half to R. U. Loveless, Detroit, Mich. Door safety latch. 2,442,733, June 1.
- Schultz, H. O., Inc., assignee: *See—*
Schultz, Henry O.
- Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulating valve. 2,447,820, Aug. 24.
- Schultz, Henry O., assignor to H. O. Schultz, Inc., Milwaukee, Wis. Adjustable drill head. 2,441,722, May 18.
- Schultz, Henry O., assignor to H. O. Schultz, Inc., Milwaukee, Wis. Multiple drill template. 2,451,123, Oct. 12.
- Schultz, Julius, assignor to Allover Manufacturing Co., Racine, Wis. Holder and sterilizer for hair clippers. 2,441,229, May 11.
- Schultz, Mortimer A., Baltimore, Md., and R. E. Bertine, deceased, late of Pittsburgh, Pa., by G. L. Bertine, administratrix, Pittsburgh, Pa.; assignors, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transponder for testing radar devices. 2,454,219, Nov. 16.
- Schultz, Walter E., Weirton, W. Va. Wheel mounting holder. 2,455,953, Dec. 14.
- Schultz, William O., South Milwaukee, Wis. Line anchor. 2,450,815, Oct. 5.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Combined fuse and demand meter. 2,452,872, Nov. 2.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Electrical cutout. 2,455,704, Dec. 7.
- Schultze, Paul, assignor to Doran Brothers Incorporated, Danbury, Conn. Brim pouncing machine and pouncing. 2,435,293, Feb. 3.
- Schulz, Armand C., Milwaukee, Wis. Dampening roller. 2,437,050, Mar. 2.
- Schulz, Arthur P.: *See—*
Gerhardt, Andrew H., and Schulz.
- Schulz, Edward L., Lakewood, Ohio, and E. A. Bailey, Marietta, assignors to Carrier Corporation, Syracuse, N. Y. Refrigeration system including a load control apparatus. 2,434,593, Jan. 13.
- Schulz, Emil S., Cliffside Park, N. J. Making cast printing plates having shaded designs. 2,442,022, May 25.
- Schulz, Herman, Chicago, Ill. Tripod. 2,455,525, Dec. 7.
- Schulz, Fred R., Scotch Plains, assignor to Essell Corporation, Newark, N. J.; B. Verney, trustee in bankruptcy of said Essell Corporation. Miniature permanent magnet motor. 2,453,101, Nov. 2.
- Schulz, Walter E. P., Sheridan, Mont. Gun sight. 2,436,453, Feb. 24.
- Schulz, Walter J., San Leandro, Calif. Needle. 2,441,171, May 11.
- Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Guard rail. 2,445,089, July 13.
- Schulze, Ferdinand, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having light-sensitive and water-insoluble vinylpyridine polymer layers. 2,448,552, Sept. 7.
- Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Inhibiting polymerization of furfural. 2,440,451, Apr. 27.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,443,402, June 15.
- Schulze, Walter A., and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of unsaturated nitriles. 2,447,600, Aug. 24.
- Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of sulfur compounds. 2,454,409, Nov. 23.
- Schumacher, Earle E.: *See—*
Bouton, George M., Phillips, and Schumacher.
- Schumacher, William A.: *See—*
Benton, Gela J., and Schumacher.
- Schumaker, Albert J. R., Harpers Ferry, W. Va. Calculator. 2,438,458, Mar. 23.
- Schumann, Robert, Racine, Wis. Motor hand tool assembly. 2,452,268, Oct. 26.
- Schumbacker, Willard: *See—*
Kleiner, George J., and Schumbacker.
- Schumock, Albert J., Washington, D. C. Plasterer's featheredge device. 2,450,385, Sept. 28.
- Schundler, F. E., & Co., Inc., assignee: *See—*
Napier, Henry.
- Schunk, Anthony F., Alden, N. Y. Vibrator for concrete mixers. 2,445,126, July 13.
- Schurr, Otto E., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Boring mill. 2,445,497, July 20.
- Schurr, Otto E., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Control for boring mills. 2,445,498, July 20.
- Schurr, Otto E., assignor, by mesne assignments, to Lima-Hamilton Corporation, Hamilton, Ohio. Boring mill. 2,456,741, Dec. 21.
- Schuster, Nicholas J., Easton, Minn. Drainage ditch equipment. 2,437,273, Mar. 9.
- Schutt, Friedrich J., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Control and indexing mechanism for document photographing machines. 2,452,497, Oct. 26.
- Schutte, August H.: *See—*
Reed, Carl S., and Schutte.
Reed, Carl S., Schutte, and Bowles.
- Schutte, August H., Hastings-on-Hudson, and C. S. Reed, assignors to The Lummus Company, New York, N. Y. Process for recycling catalyst fines in a catalyst conversion system. 2,448,553, Sept. 7.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon coking. 2,456,796, Dec. 21.
- Schutte, Harry S., Carnegie, Pa., assignor to Carnegie-Illinois Steel Corporation. Electrolytic tin plate. 2,434,290, Jan. 13.
- Schutzh, Harold R., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Burn-off method. 2,439,754, Apr. 13.
- Schutz, Harold R., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for forming hollow glassware. 2,450,995, Oct. 12.
- Schutz, Phillip W., Leonia, N. J., and E. K. McMahon, Jackson Heights, assignors to Induction Heating Corp., New York, N. Y. Dielectric heating of emulsions. 2,446,557, Aug. 10.
- Schutz, Robert R., Roseville, Calif. Fruit picking tower. 2,448,630, Sept. 7.
- Schutze, Henry G.: *See—*
Draeger, Arthur A., and Schutze.
- Schuyler, Albert B., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Key locking device for power operated typewriting machines. 2,441,375, May 11.
- Schwalbe, Franz G., assignor, by mesne assignments, to Toledo Engineering Company, Inc., Toledo, Ohio. Cut-off machine. 2,447,962, Aug. 24.
- Schwall, Chester F., Jr., assignor to The General Tire & Rubber Company, Akron, Ohio. Collapsible boat and making the same. 2,456,086, Dec. 14.
- Schwander, Erwin F., Reichshoffen, assignor to Societe d'Etudes des Vehicules "Sev." Reichshoffen (Bas-Rhin), France. Oil burner. 2,440,491, Apr. 27.
- Schwantes, Otto R., Milwaukee, Wis. Stoker controlled heating system. 2,452,329, Oct. 26.
- Schwartz, Aaron, New York, N. Y., assignor to Celanese Corporation of America. Textile product. 2,442,880, June 8.

- Schwartz, Alfred J. C., Evanston, Ill. Prostate massager. 2,445,974, July 27.
- Schwartz, Arthur A., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Apparatus for dimpling sheet metal stock. 2,453,762, Nov. 16.
- Schwartz, Beth W. and M. E., Milwaukee, Wis. Dispensing device. 2,443,520, June 15.
- Schwartz, Elvin, Houston, Tex. Safety latch attachment for wallets. 2,448,398, Aug. 31.
- Schwartz, Fernand F., Santiago, Chile. Manufacture of colloidal sulphur. 2,439,147, Apr. 6.
- Schwartz, Fernand F., Santiago, Chile. Preparing stable colloidal solutions of metal sulfides. 2,448,740, Sept. 7.
- Schwartz, Frank M., New York, N. Y. Garment article and making same. 2,437,974, Mar. 16.
- Schwartz, Fred J., Walled Lake, assignor to General Motors Corporation, Detroit, Mich. Seam welding. 2,452,498, Oct. 26.
- Schwartz, Hy, assignee: *See—*
Molchan, Stephan.
- Schwartz, Jacob D., Pittsburgh, Pa. Flask. 2,450,567, Oct. 5.
- Schwartz, Julius, Astoria, N. Y. Undergarment. 2,450,168, Sept. 28.
- Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Placeholder for photographic apparatus. 2,455,814, Dec. 7.
- Schwartz, Myron E.: *See—*
Schwartz, Beth W., and Schwartz.
- Schwartz, Nathan R., New York, N. Y. Clamp. 2,455,444, Dec. 7.
- Schwartz, Soll, Brooklyn, N. Y. Shoulder pad. 2,440,121, Apr. 20.
- Schwartz, William H.: *See—*
Lester, Nathan, and Schwartz.
- Schwartzberg, Louis, Chicago, Ill. Device for assembling collapsible egg cartons. 2,438,074, Mar. 16.
- Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Photoflash synchronizing mechanism. 2,435,161, Jan. 27.
- Schwarz, Carl W., Washington, D. C., and T. Floyd, Hyattsville, Md. Bench tool for stripping armor from cable. 2,446,558, Aug. 10.
- Schwarz, Egon H., Zurich, Switzerland. Production of print pictures on print bodies. 2,437,005, Mar. 2.
- Schwarzhoff, William T., Waukon, Iowa. Vehicle chock. 2,442,023, May 25.
- Schwarzkopf, Emil, Los Angeles, Calif. Joint for artificial limbs. 2,438,581, Mar. 30.
- Schwarzkopf, Paul, assignor to American Electro Metal Corporation, Yonkers, N. Y. Compacting metal powder into complicated shapes. 2,447,434, Aug. 17.
- Schwarzmann, Wolfgang B., Longmeadow, and E. M. Bach, Agawam, assignors to American Bosch Corporation, Springfield, Mass. Ignition distributor. 2,441,922, May 18.
- Schwarzmayr, Ludwig, San Francisco, Calif. Teat support. 2,441,908, May 18.
- Schweda, Albert M.: *See—*
Le Vesconte, Harold J., and Schweda.
Merz, Benjamin W., and Schweda.
- Schwegler, Clarence C.: *See—*
Amos, James L., Schwegler, and Bezenah.
- Schweiter, Walter, Horgen, Switzerland, assignor to Maschinenfabrik Schweiter A. G. Automatic winder. 2,449,328, Sept. 14.
- Schweitzer, Edmond O., Jr., Northbrook, Ill. Electric motor construction. 2,442,782, June 8.
- Schweitzer, Herbert C., assignor to The American Metal Company, Limited, New York, N. Y. Retort for distillation furnaces. 2,447,369, Aug. 17.
- Schweitzer, Howard V., Shaker Heights, Ohio. Painting method. 2,434,125, Jan. 6.
- Schweitzer, Howard V., Shaker Heights, Ohio. Glazing apparatus. 2,435,931, Feb. 10.
- Schwenk, Earl B., Seattle, Wash. Hot liquid pump. 2,445,127, July 13.
- Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Polyiodo diaryl aliphatic acids and process for their manufacture. 2,436,270, Feb. 17.
- Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Preparation of meta-substituted phenols. 2,439,375, Apr. 13.
- Schwenk, Erwin, Montclair, assignor to Schering Corporation, Bloomfield, N. J. Steroid keto hydroxy acids and their polybasic acid esters and preparing same. 2,445,006, July 13.
- Schwennessen, Donald O., Chicago, Ill., assignor to Essex Wire Corporation, Detroit, Mich. Lead-in construction for electrical devices. 2,443,545, June 15.
- Schweppe, Everett C., Topeka, Kans. Safety pocket. 2,433,927, Jan. 6.
- Schwerdle, Arthur: *See—*
Sowa, Frank J., and Schwerdle.
- Schwerdle, Arthur, assignor to F. J. Sowa, New York, N. Y. Treating aqueous liquors containing unsaturated organic compounds for recovering the same. 2,454,349, Nov. 23.
- Schwerin, Frank H., Ben Avon, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Fluid pump. 2,485,326, Feb. 3.
- Schwiervier, William, Bronx, N. Y. Necktie holder. 2,440,024, Apr. 20.
- Schwindt, Jack: *See—*
Trinkle, Frederick A., and Schwindt.
- Schwinger, Abram, Philadelphia, Pa. Combined fluorescent and filament lamp reflector unit. 2,451,580, Oct. 19.
- Schwinn, Frank W., Chicago, Ill. Die for slotting and shaping bicycle truss tube ends. 2,435,294, Feb. 3.
- Schwinn, Frank W., Chicago, Ill. Quadricycle. 2,439,755, Apr. 13.
- Schwinn, Frank W., Chicago, Ill. Electric brazing metal parts. 2,448,329, Aug. 31.
- Schwinn, Frank W., Chicago, Ill. Parking stand and mounting therefor. 2,456,536, Dec. 14.
- Schwitzer-Cummins Company, assignee: *See—*
Schwitzer, Louis, and Roland.
- Schwitzer, Louis, and J. Roland, assignors to Schwitzer-Cummins Company, Indianapolis, Ind. Power-driven vehicle. 2,443,480, June 15.
- Schworm, Louis, Jr., Washington, D. C. Bottle warming device. 2,449,723, Sept. 21.
- Schymik, Walter H.: *See—*
Graves, Herbert C., Jr., Schymik, and Bradbury.
- Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Welding apparatus. 2,455,526, Dec. 7.
- Scianna, Anthony, assignor to Clamp Nail Company, Chicago, Ill. Adjustable radial kerfing saw. 2,455,097, Nov. 30.
- Sciascia, Mathew: *See—*
Farber, Edward, and Sciascia.
- Scientific Research and Development, United States of America as represented by the Office of, assignee: *See—*
Veneklasen, Paul S.
- Scifres, Thomas W., Dumas, Ark. Insect shield for doors. 2,443,275, June 15.
- Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,447,282, Aug. 17.
- Scircle, William M., Scircleville, Ind. Hinged motor hanger for cream separators or like machines. 2,456,088, Dec. 14.
- Scotfield, Donald W., assignor to Electromaster, Inc., Detroit, Mich. Terminal switch with thermostatic safety release. 2,444,680, July 6.
- Scogland, Charles A., assignor to The Studebaker Corporation, South Bend, Ind. Making cored laminated plastic sheets. 2,454,719, Nov. 23.
- Scognamiglio, Salvatore, New York, N. Y. Rotary pump. 2,443,994, June 22.
- Scola, Alfred N., West Roxbury, Mass. Hair drier shield. 2,446,790, Aug. 10.
- Scoles, Graham J.: *See—*
Dodds, John M., and Scoles.
Dodds, John M., Scoles, Haine, and Archer.
- Scoles, Graham J., East Sheen, London, and C. W. Miller, Sale, assignors to Metropolitan-Vickers Electrical Company, Limited, London, England. Calibration of cathode ray oscillographs. 2,438,420, Mar. 23.
- Sconce, James S., and A. N. Johnson, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Chlorination of hydrocarbons. 2,436,366, Feb. 17.
- Scophony Corporation of America, assignee: *See—*
Rosenthal, Adolph H.
- Scophony Limited, assignee: *See—*
Adams, Albert E., and Waloff.
- Scott, Albert B.: *See—*
Stillman, William B., and Scott.
- Scott, Arden L.: *See—*
Herchenroeder, Louis W., and Scott.
- Scott-Atwater Manufacturing Company, assignee: *See—*
Armstrong, Daniel A.
- Scott Aviation Corporation, assignee: *See—*
Meidenbauer, Phillip E., Jr.
- Scott, Carl F., Milford, C. G. Trumbull, and E. H. Rugg, Bridgeport, Conn., assignors to General Electric Company. Glider tow indicator. 2,451,244, Oct. 12.
- Scott, Charles H., Summit, N. J., assignor to The Dorr Company, New York, N. Y. Sediment raking mechanism for a settling tank comprising a central support and a hinged body between the support and the raking mechanism. 2,437,761, Mar. 16.
- Scott, Charles H., Summit, N. J., and F. L. Graner, assignors to The Dorr Company, New York, N. Y. Raking classifier. 2,437,760, Mar. 16.
- Scott, David C., Providence, R. I., assignor to Henry L. Scott Company. Control for recording platen in tensile testing machines. 2,442,150, May 25.
- Scott, De Loss E.: *See—*
Aubert, Fred B., and Scott.
- Scott, Eben L., Mission, Kans. Electrical plug and socket. 2,451,982, Oct. 19.
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Seal grip tool joint. 2,450,452, Oct. 5.
- Scott, Franklin D.: *See—*
Ball, Charles O., Swope, and Scott.
- Scott, Henry L., Company, assignee: *See—*
Scott, David C.
- Scott, Jared P., Bellingham, Wash. Trailer hitch. 2,435,019, Jan. 27.
- Scott, John: *See—*
Bragiel, Albert, and Scott.
- Scott, John C., Beckley, assignor to The New River Company, Mount Hope, W. Va. Underfeed domestic stoker. 2,446,492, Aug. 3.

- Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for sorting magnetic materials according to their residual magnetism. 2,444,751, July 6.
- Scott, Laurie J., Chilliwack, British Columbia, Canada. Device for dispensing lump sugar. 2,439,697, Apr. 13.
- Scott, Lawrence B., Columbus, Ohio. Repair lock. 2,436,078, Feb. 17.
- Scott, Maxwell C.: *See—*
Burlingame, Ernest D., Carlson, Nicholson, and Scott.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminotriazine product. 2,456,567, Dec. 14.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitroparaffin modified aminoplasts. 2,457,404, Dec. 28.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halo nitroparaffin modified aminoplasts. 2,457,405, Dec. 28.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Halo nitroalcohol modified aminoplasts. 2,457,406, Dec. 28.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermoplastic aminoplasts. 2,457,738, Dec. 28.
- Scott, Milton J., and S. H. Rider, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Textile treating resins. 2,456,568, Dec. 14.
- Scott Paper Company, assignee: *See—*
Curtis, John R., Jr.
- Scott, Ralph C., Brighton, N. Y. Tire antiskid mechanism. 2,453,273, Nov. 9.
- Scott, Russell J., assignor to Shakespeare Products Company, Kalamazoo, Mich. Antirattling device for antenna masts. 2,456,330, Dec. 14.
- Scott, Ruth P., executrix: *See—*
Scott, Winfield.
- Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of alpha, omega-dicarboxylic acids. 2,436,269, Feb. 17.
- Scott, Samuel L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of preformed monoolefin/carbon monoxide polymers by reaction with basic compounds. 2,457,279, Dec. 28.
- Scott, Thomas R., and A. A. New, assignors to Standard Telephones and Cables Limited, London, England. Electric insulation composition of polyvinyl chloride and polyalkylene polysulfide. 2,438,949, Apr. 6.
- Scott Viner Company, The, assignee: *See—*
Nicholson, Winford E.
- Scott, William H., Trenton, N. J., assignor to The American Steel and Wire Company of New Jersey. Device for electric resistance heating of metals and controls therefor. 2,450,362, Sept. 28.
- Scott, William J., and C. J. Milner, Rugby, England, assignors to General Electric Company. Ultra high frequency electric discharge device. 2,437,130, Mar. 2.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Valve for use with air blast circuit breaker. 2,435,162, Jan. 27.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker movable contact. 2,437,863, Mar. 16.
- Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Arc chute. 2,443,521, June 15.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Arc chute. 2,446,027, July 27.
- Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker-hold-in mechanism. 2,449,013, Sept. 7.
- Scott, William W., and A. Lutz, Chicago, Ill., assignors to American Cystoscope Makers, Inc. Endoscopic surgical instrument. 2,448,741, Sept. 7.
- Scott & Williams, Incorporated, assignee: *See—*
Bristow, Paul W.
Curtis, Horace L., McKinley, and Miller.
Lawson, Robert H.
McDonough, John J.
- Scott, Winfield, deceased, late of Akron, Ohio; by Ruth P. Scott, executrix, assignor to Wingfoot Corporation, Akron, Ohio. Treatment of rubber. 2,456,154, Dec. 14.
- Seavill Manufacturing Company, assignee: *See—*
Donahue, Patrick F.
Fenton, Paul E.
Huelster, Otto J.
Janes, Edmund D.
Seaver, Donald A.
Seyfried, Arthur W.
Spearrin, William R.
Spender, Donald L.
Williams, Selden T.
- Seavill, Royal J., Jr., Middletown, Pa. Machine for and method of cutting blooms and the like. 2,455,615, Dec. 7.
- Seaville, Loren P., Yonkers, N. Y., assignor to The Texas Company, New York, N. Y. Manufacture of gasoline. 2,442,440, June 1.
- Seaville, Warren E., Jr., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Oil well packer. 2,449,514, Sept. 14.
- Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Thresher with adjustable speed cylinder drive. 2,435,020, Jan. 27.
- Scribner, Allison K., and F. W. Wilder, Portsmouth, Va., assignors, by mesne assignments, to Phillips Petroleum Company. Manufacture of resins from sulfur dioxide and unsaturated organic compounds. 2,453,039, Nov. 2.
- Scrimshaw, Frank H.: *See—*
Reilly, Hugh L., Scrimshaw, and Bone.
- Scrivener, Arthur, Birmingham, England. Workpiece feeding device for centerless grinding and like machines. 2,439,225, Apr. 6.
- Scrivner, Clarence A., Glens Falls, N. Y. Ski trainer and exerciser. 2,455,274, Nov. 30.
- Scull, Herbert G., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Discharge printing of colored cellulose acetate fabrics with the aid of an intermediate thiocyanate treatment. 2,436,059, Feb. 17.
- Scully, Charles T.: *See—*
Chatterjea, Prafulla K., and Scully.
- Seabright, Clarence A., assignor to The Harshaw Chemical Company, Elyria, Ohio. Ceramic pigments. 2,441,447, May 11.
- Seager, John C., Hartsdale, N. Y. Golf tee. 2,455,705, Dec. 7.
- Seagram, Joseph E., & Sons, Inc., assignee: *See—*
Coles, Harold W.
Kaiser, Ralph R.
Novak, Arthur F.
- Sealed Power Corporation, assignee: *See—*
Olson, Holly M.
- Seals, Fred H., Warner Robins, Ga. Electric service outlet. 2,454,221, Nov. 16.
- Seals, Garlin E., San Antonio, Tex. Fuel pump for internal-combustion engines. 2,437,838, Mar. 16.
- Sealtight Corporation, assignee: *See—*
Burrell, George G., and Hulshizer.
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine and attachment therefor for making cross-stitches. 2,437,975, Mar. 16.
- Seaman, Charles, Jamaica Estates, N. Y. Hemmed material and making the same. 2,437,976, Mar. 16.
- Seaman, Charles, Jamaica Estates, N. Y. Blind-stitched piping and method of producing same. 2,437,977, Mar. 16.
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine. 2,437,978, Mar. 16.
- Seaman, Charles, Jamaica Estates, N. Y. Piping and producing same. 2,437,979, Mar. 16.
- Seaman, David J., A. E. Wood, Battle Creek, and C. A. Hathaway, Lansing, Mich., said Wood and said Hathaway assignors to said Seaman. Hydraulic door check. 2,456,537, Dec. 14.
- Seaman, Emily C., New York, N. Y. Device for teaching the blind. 2,456,155, Dec. 14.
- Seaman, Harold E., Cleveland Heights, Ohio. Projection apparatus for chance selected indicia. 2,457,280, Dec. 28.
- Seaman, Harry J., Milwaukee, Wis. Rotary groundworking implement. 2,438,189, Mar. 23.
- Seaman, Joseph W., Kennett Square, Pa., assignor to General Electric Company. Tripping and interlocking device for circuit breakers. 2,449,820, Sept. 21.
- Seamless Rubber Company, The, assignee: *See—*
De Laney, Wallace W., and Crowley.
Goodson, George W.
O'Brien, William J.
Predmore, Bert.
- Seamon, A. & L., assignee: *See—*
Seamon, Abraham A.
Seamon, Louis.
- Seamon, Abraham A., assignor to A. & L. Seamon, Brooklyn, N. Y. Billfold with secret compartment. 2,444,581, July 6.
- Seamon, Louis, assignor to A. & L. Seamon, Brooklyn, N. Y. Stitchless combined billfold and coin purse. 2,455,527, Dec. 7.
- Seamster, Norman J., Tucson, Ariz. Swing seat. 2,444,618, July 6.
- Sear, Reginald: *See—*
Dean, John N., Smith, and Sear.
- Searle, Arthur M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Metal rectifier. 2,454,843, Nov. 30.
- Searle, G. D., & Co., assignee: *See—*
Crosley, Raymond W. and R.
Cusick, John W.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of N-arylmaleimides. 2,444,536, July 6.
- Sears, Carl A.: *See—*
Grinnell, Frank H., and Sears.
- Sears, Charlotte R. S., and R. W., II, Evanston, Ill. Plow. 2,442,712, June 1.
- Sears, Edward O., assignor to Colvin-Templeton, Inc., Oakland, Calif. Suspension means for cooling units. 2,454,012, Nov. 16.
- Sears, Raymond W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated. Electron discharge apparatus. 2,452,157, Oct. 26.

- Sears, Richard W., II: *See*—
Sears, Charlotte R. S. and R. W.
Sears, Roebuck and Co., assignee: *See*—
Dunville, John G.
Milne, John S.
Shee, Parke B.
Sears, Sterling G., Garden City, N. Y. Telephone handset bracket. 2,443,320, June 15.
Seaton, Sidney G.: *See*—
Miller, George E., and Seaton.
Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick container. 2,444,375, June 29.
Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick container. 2,444,376, June 29.
Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick container. 2,444,377, June 29.
Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Inhaler. 2,456,451, Dec. 14.
Seaver, John D., Marblehead, Mass., assignor to General Electric Company. Heat-treatment for copper-nickel-cobalt permanent magnet alloys. 2,437,563, Mar. 9.
Seaver, John D., Marblehead, Mass., assignor to General Electric Company. Magnetometer. 2,447,880, Aug. 24.
Seaver, Lee M., Kokomo, Ind. Multiple connection. 2,445,244, July 13.
Seawell, Miles P.: *See*—
Burroughs, Eugene, Jr., Byrd, and Seawell.
Seawright, Johnnie J., Goldville, S. C. Automatic bullder motion knockoff for roving frames. 2,452,873, Nov. 2.
Seay, Kenneth L., Norfolk, Va. Rocking chair wheelbarrow. 2,442,552, June 1.
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Separator. 2,449,790, Sept. 21.
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feed water heater. 2,457,605, Dec. 28.
Sebastian, James R., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Roller support for conveyer belts. 2,457,407, Dec. 28.
Sebastian, James R., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Conveyer switch. 2,457,408, Dec. 28.
Sebell, Harry, Marblehead, assignor of one-half to R. W. McGann, Lexington, and one-half to Bell Products Corporation, Boston, Mass. Sewing machine. 2,438,459, Mar. 23.
Sebell, Harry, Newton Highlands, assignor to Bell Products Corporation, Boston, Mass. Can. 2,443,330, June 15.
Sebell, Harry, Wilmington, assignor to Bell Products Corporation, Boston, Mass. Apparatus for plating sheet metal. 2,449,329, Sept. 14.
Seborg, Raymond M.: *See*—
Stamm, Alfred J., Seborg, and Millett.
Sebotka, Charles M.: *See*—
Mitchell, Hubert R., and Sebotka.
Sebrell, Lorin B.: *See*—
Merrill, James A., and Sebrell.
Sebring, Frank E.: *See*—
Bober, Walter F., and Sebring.
Seckel, Friedrich W., New York, N. Y. Convertible top for automobiles or the like. 2,448,054, Aug. 31.
Seckel, Wallace H., assignor to The Perfection Steel Body Company, Galion, Ohio. Cargo carrying vehicle body. 2,451,880, Oct. 19.
Secor, Robert B.: *See*—
Gary, Wright W., and Secor.
Sectish, Charles W.: *See*—
Leet, Harold A., and Sectish.
Security Machine Products Company, assignee: *See*—
Green, Edward A.
Security Products Corporation, assignee: *See*—
Zabriskie, Charles L.
Sedgwick Machine Works, Inc., assignee: *See*—
Henricksen, Bjarne.
Sedwick, Matthew M.: *See*—
Kronquest, Alfred L., and Sedwick.
See, Melvin J., and J. C. Bailie, assignors to Standard Oil Company, Chicago, Ill. Gel catalyst. 2,455,445, Dec. 7.
Seebinger, Fred L., Jr., Vallejo, Calif., assignor to International Projector Corporation, New York, N. Y. Echo sounding indicator. 2,446,960, Aug. 10.
Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Oil desalting technique. 2,440,617, Apr. 27.
Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Corrosion prevention. 2,450,095, Sept. 28.
Seeburg, J. P., Corporation, assignee: *See*—
Eakins, John F.
Seeche, Maurice D., Lawrence, Mass. Mattress. 2,454,220, Nov. 16.
Seeger, Edwin W.: *See*—
Douglas, Louis R., and Seeger.
Rosing, Theodore F., and Seeger.
Seeger, Edwin W., Wauwatosa, and N. L. Schmitz, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control for alternating current motors. 2,456,538, Dec. 14.
Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. 2-Chlorcindone. 2,456,452, Dec. 14.
Seeger-Refrigerator Company, assignee: *See*—
Ayres, Russell W.
Dennedy, James H.
Wade, Charles R.
Seeger-Sunbeam Corporation, assignee: *See*—
Hursey, Willis E., and Strunk.
Seegmiller, Jarvis E.: *See*—
Martin, Don S., Jr., Nachtrieb, and Seegmiller.
Seegmuller, Roland, San Pedro, Calif. Tie form. 2,440,879, May 4.
Seelenfreund, Louis M., assignor to Action Bufts, Inc., Chicago, Ill. Buffing wheel. 2,455,098, Nov. 30.
Seelenfreund, Louis M., assignor to Action Bufts, Inc., Chicago, Ill. Buffing wheel. 2,455,099, Nov. 30.
Seeley, Frank H.: *See*—
Petri, Edward W., and Seeley.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Connecting system for alternating current circuits. 2,445,804, July 27.
Seeley, Homer A.: *See*—
Gruver, John H., and Seeley.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Electrical network for phase shifters. 2,442,097, May 25.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Electrical networks for phase shifters. 2,450,616, Oct. 5.
Seeley, Warren S., Jr., Chicago, Ill. Golf practice device. 2,441,647, May 18.
Seelig, Richard P., Long Island, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Forming parts from powdered metal. 2,449,515, Sept. 14.
Seeloff, Melvin M., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Flash welder construction. 2,439,783, Apr. 13.
Seeloff, Melvin M., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Control of flash butt welders. 2,443,965, June 22.
Seeloff, Melvin M., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding electrode holder. 2,443,966, June 22.
Seely Instrument Co., Inc., assignee: *See*—
Sutherland, Eugene B.
Seelye, Frederic, assignor, by mesne assignments, to Hollywood Rouge Sportswear Corp., Los Angeles, Calif. Upper garment. 2,441,909, May 18.
Seeman Bros., Inc., assignee: *See*—
Bell, Morris.
Seevers, Don V., assignor to All American Aviation, Inc., Wilmington, Del. Method and apparatus for loading aircraft. 2,443,276, June 15.
Seferian, Roland, assignee: *See*—
Babigian, George H.
Segal, Irving, New York, N. Y. Extension table. 2,456,999, Dec. 21.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,439,675, Apr. 13.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Binder. 2,439,868, Apr. 20.
Segal, Samuel, New York, N. Y. Buckle. 2,443,805, June 22.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,447,963, Aug. 24.
Segall, Louis H.: *See*—
Tognola, Tullio, and Segall.
Segool, Howard D.: *See*—
Gilbert, Everett E., and Segool.
Seguin, Jean H., St. Eustache, Quebec, Canada. Adjustable nose bridge support for bifocal spectacles. 2,446,725, Aug. 10.
Seibel, Richard M., Ballston Spa, N. Y., assignor to General Electric Company. Double-acting solenoid. 2,446,855, Aug. 10.
Seiberling Latex Products Company, assignee: *See*—
Sidnell, Albert E.
Seiberling Rubber Company, assignee: *See*—
Nichols, George B.
Seibert, Howard F.: *See*—
Tabor, Joseph M., Seibert, and Frohring.
Seidel, Frank, Detroit, Mich. Bookholder. 2,445,864, July 27.
Seiden, Herman, Plainfield, N. J., assignor of one-third to A. M. Hartman, New York, and one-third to H. Ornstein, Brooklyn, N. Y. Hat sweatband. 2,450,169, Sept. 28.
Seiden, Hyman: *See*—
Wolfson, David, and Seiden.
Seider, Anthony F., Chicago, Ill. Front and rear wheel driven motor vehicle. 2,435,021, Jan. 27.
Seidler, Arthur W.: *See*—
Carmichael, Robert, and Seidler.
Seifert, Emmett, San Gabriel, Calif. Mechanical filter. 2,456,025, Dec. 14.
Seifert, Henry R., St. Paul, Minn. Expansion reamer. 2,434,126, Jan. 6.
Seifter, Joseph: *See*—
Bruce, William F., and Seifter.

- Seigh, Joseph W., Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Solder splash shielding means. 2,455,815, Dec. 7.
- Seigle, Leslie L.: *See—*
Gagnebin, Albert P., Seigle, and Vanick.
- Seiler, Charles J.: *See—*
Skow, Norman A., Seiler, Oriani, and Whitaker.
- Seipt, Willard R.: *See—*
Miller, Lewis B., and Seipt.
- Seismograph Service Corporation, assignee: *See—*
Brunner, Reed R.
- Seitz, Andy J., assignor to Wingfoot Corporation, Akron, Ohio. Manufacturing cast vinyl resin film, sheeting, and the like. 2,434,231, Jan. 6.
- Seitz, August W.: *See—*
Greiner, Alfred, and Seitz.
- Seitz, August W., Euclid, Ohio, assignor to General Electric Company. Method of manufacturing electric incandescent lamps. 2,449,676, Sept. 21.
- Seitz, Oskar, Baden, Switzerland. Fitting for connecting pipes by welding. 2,449,754, Sept. 21.
- Seitz, Warren W., Wilkinsburg, assignor to The Union Switch and Signal Company, Swissvale, Pa. Interlocking line-circuit railway traffic controlling apparatus. 2,439,676, Apr. 13.
- Sejarto, Lester, Richmond Hill, N. Y. Multiple cylinder fluid motor or compressor of the radial piston type. 2,435,611, Feb. 10.
- Selak, Frank L., Albia, Iowa. Power hay buck. 2,448,631, Sept. 7.
- Selas Corporation of America, assignee: *See—*
Hess, Frederic O.
Kniveton, James.
- Selby, Theodore R., and L. L. Campbell, Chicago, Ill., assignors to Wilson & Company, Inc. Manufacture of sutures. 2,438,131, Mar. 23.
- Selby, Theodore R., and L. L. Campbell, Chicago, Ill., assignors to Wilson & Company, Inc. Suture making apparatus. 2,441,601, May 18.
- Selck, Walter E., and Co., assignee: *See—*
Drain, Herbert D.
- Selden, John C., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Crankshaft torsional vibration damper. 2,454,720, Nov. 23.
- Seldon, George E., Kirkwood, Mo. Automotive air conditioning apparatus. 2,444,537, July 6.
- Selfridge, Frank W.: *See—*
Williams, Ira, and Selfridge.
- Sellers, Cleunille F.: *See—*
Pollard, Jack C., and Sellers.
- Sellers, Jesse E.: *See—*
Ferguson, Charles S., and Sellers.
- Sellers, Jesse E., Scotia, and J. L. Davis, Schenectady, N. Y., assignors to General Electric Company. Preparing organo-silicon compounds. 2,449,821, Sept. 21.
- Sellers, John K., Warren, Ariz. Multiple element rheostat. 2,453,462, Nov. 9.
- Sellew, Philip H., assignee, et al.: *See—*
Lago, Francis.
- Sellstrom Manufacturing Company, assignee: *See—*
Anderson, Marshall N.
- Selmer, H. & A., Inc., assignee: *See—*
Crowell, Milton E.
- Selsmeyer, Edward L., Green Bay, Wis. Method of and apparatus for inclosing a folded parachute pack. 2,452,604, Nov. 2.
- Seltzer, Clifford S., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Electric resistance seam welding apparatus. 2,454,948, Nov. 30.
- Seltzer, Harry, Brooklyn, N. Y. Magnetic filter plug. 2,435,517, Feb. 3.
- Selvidge, Harner: *See—*
Quackenbush, Edward C., and Selvidge.
- Semenzen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,451,177, Oct. 12.
- Semegen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,451,178, Oct. 12.
- Semel, David, Los Angeles, Calif. Dishwashing apparatus. 2,435,240, Feb. 3.
- Semeyn, Leonard J., Lamont, Mich. Door stop. 2,456,843, Dec. 21.
- Semisch, Kurt F., Holyoke, Mass. Jack support. 2,456,218, Dec. 14.
- Semmel, Samuel, New York, N. Y. Bow necktie. 2,441,448, May 11.
- Semon, Fernand L., New York, N. Y. Watch regulator mechanism. 2,441,847, May 18.
- Senard, Pierre, Rapeaume-les-Rouen, France. Saw blade planishing machine. 2,438,460, Mar. 23.
- Senard, Pierre, Rapeaume-les-Rouen, France. Band saw blade stretching machine. 2,441,648, May 18.
- Sendoykas, Jack J., Detroit, Mich. Toggle clamp. 2,436,941, Mar. 2.
- Séné, Léon P., Louveciennes, France. Device for the treatment of wounds and the like lesions. 2,443,481, June 15.
- Seney, John S., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Automatic stop mechanism for warpers. 2,450,996, Oct. 12.
- Senfleben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe form. 2,452,158, Oct. 26.
- Seng Company, The, assignee: *See—*
Fox, Martin, and Hassel.
Reitch, Alexander J.
- Sengpiel, William J., assignor to The Sikes Company, Buffalo, N. Y. Tilting chair seat and back rest. 2,447,601, Aug. 24.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Triamino propanes. 2,436,779, Feb. 24.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Making nitroalkyl cyclic amines. 2,447,821, Aug. 24.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. 5-Nitrotetrahydro-1,3-oxazines and preparing them. 2,447,822, Aug. 24.
- Senn, Charles, Detroit, Mich. Welding gun. 2,457,606, Dec. 28.
- Senn Corporation, assignee: *See—*
Coake, Charles F.
- Senn, Jurg A., Mansfield, Ohio, assignor to The United States of America as represented by the Secretary of War. Turbine rotor. 2,442,783, June 8.
- Sensel, Eugene E., Beacon, and R. A. Beck, Glenham, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Hydrogenation of carbon monoxide. 2,437,051, Mar. 2.
- Sensel, Eugene E., W. R. Smith, and A. R. Goldsby, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Isomerization of paraffinic hydrocarbons. 2,438,421, Mar. 23.
- Sensenbach, Elmo R., and E. E. Shaver, Los Angeles, Calif., assignors to Wizard Mfg. Co., Inc. Self-contained window cleaning implement. 2,436,454, Feb. 24.
- Sensiper, Samuel, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Radar test apparatus. 2,433,868, Jan. 6.
- Senter, Ralph L., assignee: *See—*
Manning, Lester C.
- Sentry Safety Control Corp., assignee: *See—*
Malickson, Philip S.
- Sepavich, Victor F.: *See—*
Brouwer, Benjamin W., and Sepavich.
Kronoff, Clarence R., and Sepavich.
Palmer, Albert, and Sepavich.
- Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping means for weft replenishing looms. 2,435,699, Feb. 10.
- Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detecting system for looms. 2,445,641, July 20.
- Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop motion for looms. 2,436,021, Feb. 17.
- Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric loom controlling means. 2,436,022, Feb. 17.
- Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop motion for looms. 2,436,023, Feb. 17.
- Sepavich, Victor F., and C. R. Kronoff, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Letoff for looms. 2,450,489, Oct. 5.
- Serber, Robert: *See—*
Kerst, Donald W., and Serber.
- Serbin, Lewis I., Shaker Heights, assignor to Serbin Sportswear Co., Cleveland, Ohio. Dress shoulder pad. 2,441,910, May 18.
- Serbin Sportswear Co., assignee: *See—*
Serbin, Lewis I.
- Sergio, Paul, South Bend, Ind. Leather skiving device. 2,437,565, Mar. 9.
- Serini, Arthur, Berlin, and W. Logemann, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J. Compounds with cortinlike effect and intermediates thereof and producing the same. 2,437,564, Mar. 9.
- Sermattel, John P.: *See—*
Murphy, Clyde G., and Sermattel.
- Serowy, John J., Chicago, Ill. Sealing device. 2,453,274, Nov. 9.
- Serpas, Anthony G.: *See—*
Denhard, Harry W., Brittain, and Serpas.
- Servel, Inc., assignee: *See—*
Andersson, Sven W. E.
Brothers, Alvin O.
Hainsworth, William R.
Ploeger, Clyde E.
Simpson, Walter M.
- Servis Equipment Company, assignee: *See—*
Collins, Johnnie C.
Jarmin, James B.
- Sessions, Frank L., Lakewood, Ohio. Pellet container and selector. 2,448,918, Sept. 7.
- Setterberg, Ruth E., assignor to Mark Cross Company, New York, N. Y. Binding. 2,436,611, Feb. 24.
- Settle, Nila R., executrix: *See—*
Settle, Walter A.
- Settle, Samuel B., assignor to C. A. Ruf, Parkersburg, W. Va. Fabricating tanks. 2,439,266, Apr. 6.
- Settle, Walter A., deceased, Jefferson, Oreg.; N. R. Settle, executrix. Tire truck. 2,447,435, Aug. 17.

- Setz, Walter H., Upper Darby, Pa., assignor to All American Aviation, Inc., Wilmington, Del. Emergency pickup equipment. 2,437,619, Mar. 9.
- Setzler, Paul H., Hamilton, Ohio. Welding rod feeder. 2,449,677, Sept. 21.
- Seuryneck, Bernard J., Detroit, Mich. Bowling ball attachment. 2,435,327, Feb. 3.
- Seuryneck, Bernard J., Detroit, Mich. Bowling ball. 2,436,976, Mar. 2.
- Sever, William: *See*—
Thomson, Robin H. K., and Sever.
- Sever, William, Troon, Scotland, assignor to Imperial Chemical Industries Limited. Thread advancing apparatus. 2,444,315, June 29.
- Severance, Charles L.: *See*—
Severance, Vernon and C. L.
- Severance, Vernon, Saginaw, and C. L. Severance, Akron, Mich. Poultry feeder. 2,454,721, Nov. 23.
- Severeign, Norman L.: *See*—
Leser, Jack M., and Severeign.
- Sevin, Clifford L., Houston, Tex. Buckle. 2,457,000, Dec. 21.
- Sevush, Wolf, Brooklyn, N. Y. Combined icebag and fountain syringe. 2,435,637, Feb. 10.
- Seward, Edgar C., Arlington, Va. Material handling pallet. 2,447,542, Aug. 24.
- Seward, Edgar C., Arlington, Va., and Frank Walcutt, Queens Village, L. I., N. Y. Fluid actuated piston distributing valve with fluid actuated piston pilot valve for expansible chamber motors. 2,451,983, Oct. 19.
- Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Core barrel. 2,456,331, Dec. 14.
- Sewell, Henry R., Norwell, and R. T. Palmer, Sharon, Mass., assignors, by mesne assignments, to Westinghouse Electric Corporation. Air distributing unit. 2,442,963, June 8.
- Sewol, John A., Hempstead, N. Y. Hairdressing accessory. 2,444,378, June 29.
- Sexton, Arthur R.: *See*—
Britton, Edgar C., and Sexton.
- Nutting, Howard S., and Sexton.
- Sexton, Arthur R., assignor to The Dow Chemical Company, Midland, Mich. Stabilizing alkylene glycols. 2,441,848, May 18.
- Sexton, Arthur R., and F. N. Alquist, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of alkylene glycols. 2,441,849, May 18.
- Sexton, John T., Kansas City, Mo. Therapeutic cabinet. 2,444,379, June 29.
- Sexton, Robert L., Flushing, N. Y. Engine ignition and power testing apparatus. 2,445,245, July 13.
- Sexton, Wilfred A., Manchester, England, assignor to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,444,905, July 13.
- Sexton, Wilfred A., Manchester, R. E. Slade, and W. G. Templeman, Bracknell, England, assignors to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,453,983, Nov. 16.
- Seybold, Frederick W., Westfield, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Inking mechanism. 2,436,455, Feb. 24.
- Seybold, Frederick W., Westfield, N. J. Transmission. 2,454,014, Nov. 16.
- Seybold, René, Strassbourg-Meinau, France. Device for retarding and for regulating the speed of the flow in accordions and similar musical reed instruments. 2,434,441, Jan. 13.
- Seyferth, Carl G., Muskegon, Mich. Tractor-semitrailer coupling. 2,441,293, May 11.
- Seyferth, Harold N.: *See*—
Snader, Ira J., and Seyferth.
- Seyferth, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Grinding machine for operating upon workpieces. 2,439,106, Apr. 6.
- Seyforth, Rome C., assignor to The Shelby Metal Products Company, Shelby, Ohio. Hardware package and display. 2,456,332, Dec. 14.
- Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Motor-driven food mixer. 2,455,026, Nov. 30.
- Seyfried, Wilson D., Wooster, Tex., assignor to Standard Oil Development Company. Production of diolefins. 2,434,522, Jan. 13.
- Seyfried, Wilson D., Wooster, and S. H. Hastings, Baytown, Tex., assignors to Standard Oil Development Company. Production of diolefins. 2,440,492, Apr. 27.
- Seymour, Charles E., Baraboo, Wis., assignor to Control Corporation, Minneapolis, Minn. Remote control system. 2,457,607, Dec. 28.
- Seymour, George W., G. C. Ward, and R. L. Hunter, Cumberland, Md., assignors to Celanese Corporation of America. Illuminated discharge effects upon acetate fabrics. 2,435,658, Feb. 10.
- Seymour, George W., V. S. Salvin, and W. R. Edwards, Cumberland, Md., assignors to Celanese Corporation of America. Production of 1-amino-2-sulfo-4-brom-anthraquinone. 2,440,760, May 4.
- Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Production of dyestuff comprising condensing 4-sulfo-2-nitro-chlorobenzene with a parasubstituted amine. 2,443,666, June 22.
- Seymour, George W., and F. Fortess, Cumberland, Md., assignor to Celanese Corporation of America. The Production of butadiene and catalyst therefor. 2,444,538, July 6.
- Seymour, George W., V. S. Salvin, and C. E. Hieserman, Cumberland, Md., assignors to Celanese Corporation of America. Dyestuffs of the anthraquinone series. 2,445,007, July 13.
- Seymour, George W., B. B. White, and E. Barabash, Cumberland, Md., assignors to Celanese Corporation of America. Preparation of mixed saturated-unsaturated esters of cellulose. 2,453,275, Nov. 9.
- Seymour, Malcolm, Boston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cement sole attaching apparatus. 2,449,151, Sept. 14.
- Seymour, Mary E., Union Star, Mo. Clothesline structure. 2,455,446, Dec. 7.
- Seymour, Raymond B.: *See*—
Kispersky, John P., and Seymour.
- Seymour, Raymond B., Chattanooga, Tenn., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of fumarodinitrile and styrenes. 2,455,342, Nov. 30.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of fumarodinitrile and alpha-substituted styrenes. 2,439,226, Apr. 6.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Accelerating vulcanization of rubber. 2,455,528, Dec. 7.
- Seymour, Raymond B., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Chlorobenzalacetone copolymer. 2,437,980, Mar. 16.
- Seymour, Raymond B., and J. P. Kispersky, assignors to Monsanto Chemical Company, Dayton, Ohio. Ternary interpolymers of styrene maleic anhydride and acrylonitrile. 2,439,227, Apr. 6.
- Sgriccia, Sam F.: *See*—
Pianowski, Leon J., and Sgriccia.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of contact masses. 2,438,869, Jan. 6.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of gels. 2,442,784, June 8.
- Shabica, Anthony C., assignor to Merck & Co., Inc., Rahway, N. J. Separation of isomers of amino acids. 2,456,742, Dec. 21.
- Shabica, Anthony C., Jr.: *See*—
Wolf, Donald E., and Shabica.
- Shadday, Rolland O., Joplin, assignor to H. Wolcott, Columbia, Mo. Self-cleaning screen structure. 2,454,259, Nov. 16.
- Shafer, Henry M.: *See*—
Wolhuis, Enno, and Shafer.
- Shafer, Julius E., Chicago, Ill. Resiliently mounted bearing. 2,439,267, Apr. 6.
- Shafer, Julius E., Chicago, Ill. Floating pressure cam. 2,439,268, Apr. 6.
- Shafer, Julius E., Chicago, Ill. Bearing mounting. 2,439,269, Apr. 6.
- Shafer, Julius E., Chicago, Ill. Bearing assembly. 2,441,294, May 11.
- Shafer, Walter S., Roseland, N. J. Door latch. 2,440,350, Apr. 27.
- Shaff, Ernest H., assignor to Keller Tool Company, Grand Haven, Mich. Impact clutch. 2,439,756, Apr. 13.
- Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Pneumatic hoist and reversing valve mechanism therefor. 2,445,585, July 20.
- Shaffer, Chester E., Arlington, N. J., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Stoker. 2,453,162, Nov. 9.
- Shaffer, Max A.: *See*—
Elvin, William J., Shaffer, and Stahl.
- Shaffer, Stewart, Muncie, Ind., assignor to Ball Brothers Company. Container closure. 2,449,014, Sept. 7.
- Shaffer, Stewart, Muncie, Ind. Liner lid for containers. 2,456,607, Dec. 14.
- Shaffer, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Electric corn popper. 2,441,941, May 18.
- Shaffer, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Electric food warmer. 2,443,806, June 22.
- Shaffer, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Electric heating element. 2,457,608, Dec. 28.
- Shaheen, John, West Roxbury, assignor to Sylvania Electric Products Inc., Salem, Mass. Coated inductive device. 2,456,219, Dec. 14.
- Shailot, Douglas, assignor to Briggs Manufacturing Company, Detroit, Mich. Insulation break detector. 2,456,453, Dec. 14.
- Shakespeare, Henry G., and W. R. Gerry, assignors to Shakespeare Products Company, Kalamazoo, Mich. Control mechanism. 2,449,516, Sept. 14.
- Shakespeare Products Company, assignee: *See*—
Hettinga, Ralph M.
- Scott, Russell J.
- Shakespeare, Henry G., and Gerry.
- Shakowitz, Isidore, Philadelphia, Pa. Sled. 2,455,318, Nov. 30.

- Shaler, Saul, Jackson Heights, Long Island, N. Y. Level. 2,439,698, Apr. 13.
- Shalkhauser, George, El Paso, Tex. Tripod. 2,453,817, Nov. 16.
- Shallenberg, Walter, assignor to The Deming Company, Salem, Ohio. Jet and valve assembly. 2,445,246, July 13.
- Shallenberg, Walter, assignor to The Deming Company, Salem, Ohio. Pumping system. 2,452,874, Nov. 2.
- Shamah, Israel, Maida Vale, London, England. Amusement device consisting of interwoven adjustable picture bands. 2,439,583, Apr. 13.
- Shand, George: *See*—
- Whalley, Harry, and Shand.
- Shand, John A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire cutting and bending press. 2,450,920, Oct. 12.
- Shank, Robert J.: *See*—
- Rieke, John W., and Shank.
- Shank, Robert J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical indicating apparatus. 2,444,407, June 29.
- Shank, Robert J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic frequency control. 2,445,409, July 20.
- Shankland, Rodney V.: *See*—
- Brown, Henry T., and Shankland.
- Shanklin, Dunbar L., Winchester, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Fluid galvanizing blanket. 2,443,169, June 8.
- Shanklin, Dunbar L., Winchester, and R. P. Stokes, Malden, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Crown closure lining machine. 2,442,179, May 25.
- Shanklin, Dunbar L., Winchester, and R. P. Stokes, Malden, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Crown closure feeding device. 2,444,232, June 29.
- Shanley, Edward S.: *See*—
- Hyatt, Harlow G., and Shanley.
- Knoch, Robert, and Shanley.
- Shanley, Edward S., Kenmore, and H. G. Hyatt, Buffalo, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Preparation of acetyl peroxide. 2,439,399, Apr. 13.
- Shanley, Edward S., Grand Island, and H. O. Kaufmann, Eggertsville, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Peroxide-glycerol explosive. 2,452,074, Oct. 26.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeating system. 2,444,067, June 29.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact maker and breaker. 2,447,032, Aug. 17.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,450,997, Oct. 12.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ringer circuit. 2,455,386, Dec. 7.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone subscriber's set illumination. 2,455,816, Dec. 7.
- Shannon, Edward F.: *See*—
- Liddell, James W., and Shannon.
- Shannon, John K., Kenosha, Wis. Control mechanism for model airplanes. 2,457,281, Dec. 28.
- Shannon, Paul B., assignee: *See*—
- Smith, Merton J.
- Shannon, Robert B., Akron, Ohio. Convection type electrical heating device. 2,452,875, Nov. 2.
- Shannon, William P., Port St. Joe, Fla. Pressure head box for paper machines. 2,451,305, Oct. 12.
- Shanon, Edgar E., Sharon, Pa., assignor to General American Transportation Corporation, Chicago, Ill. Seal for floating roof tanks. 2,436,942, Mar. 2.
- Shanton, Leon R., Cherryvale, Kans. Lubricated crank structure. 2,452,605, Nov. 2.
- Shantz, Edgar M.: *See*—
- Embrece, Norris D., and Shantz.
- Shapiro, Arthur, Chicago, Ill., assignor to Maryland Baking Company, Inc., Baltimore, Md. Pastry cup. 2,435,906, Feb. 10.
- Shapiro, Carl L., Crafton, Pa., assignor, by mesne assignments, to Lynwood Laboratories, Inc., Newark, N. J. Coating composition comprising a vinyl halide resin and a hydroxy polycarboxylic acid. 2,439,677, Apr. 13.
- Shapiro, David L., Kew Gardens, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse-modulated oscillation generator. 2,442,514, June 1.
- Shapiro, David L., Kew Gardens, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse slope-amplitude relation restoring system. 2,446,613, Aug. 10.
- Shapiro, Joseph, Brooklyn, N. Y. Combined compact, purse, and key ring. 2,437,335, Mar. 9.
- Shapiro, Maurice M., and B. Stiller, Cabin John, Md. Signal transmitting cable insensitive to explosion pressure pulses. 2,442,785, June 8.
- Shapiro, Michael, Franklin Square, N. Y. Dummy projectile. 2,447,033, Aug. 17.
- Shapiro, Samuel G., Philadelphia, Pa. Fur curling device. 2,451,984, Oct. 19.
- Shappirio, Sol, Washington, D. C. Modified fuels and lubricants. 2,441,172, May 11.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxyalkyl ethers of hydroxylated interpolymers and their preparation. 2,434,179, Jan. 6.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubbery diolefin polymers containing processing aids. 2,449,418, Sept. 14.
- Sharma, Jagan N., Los Angeles, Calif., assignor of nine one-hundredths to W. H. Wilson, nine one-hundredths to A. E. Wilson, nine one-hundredths to N. Doyle, nine one-hundredths to W. H. Wilson, Jr., nine one-hundredths to R. M. Wilson, five one-hundredths to A. H. Wilson. Treating leafy vegetables. 2,453,040, Nov. 2.
- Sharon, Hurford, assignee, et al.: *See*—
- Lynch, Frank W., and Castberg.
- Sharon Steel Corporation, assignee: *See*—
- Weesner, Carl W., Lefingwell, Babylon, and Schell.
- Sharp, Brice E., and G. M. Hackman, Knoxville, Tenn., said Hackman assignor to said Sharp. Distance meter. 2,447,436, Aug. 17.
- Sharp & Dohme, Incorporated, assignee: *See*—
- Cope, Arthur C.
- Cox, Edward H., and Sprague.
- Suter, Chester M., and Weston.
- Sharp, John C., Glen Ellyn, Ill., assignor to Hotpoint, Inc. Heating system. 2,439,270, Apr. 6.
- Sharp, John V., Brighton, and O. W. Boughton, Victor, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Photogrammetric projection apparatus and diapositive adjustment means. 2,456,333, Dec. 14.
- Sharp, World G.: *See*—
- Carmody, Don R., and Sharp.
- Gorin, Manuel H., and Sharp.
- Sharp, Ralph P., Sr., Carville, assignor of one-third to M. H. Faures and one-third to Albion B. Cobb, Baton Rouge, La. Bobby pin spreader and dispenser. 2,439,870, Apr. 20.
- Sharp, Renwick J., Guatemala, Guatemala. Adjustable spring supported chair. 2,439,869, Apr. 20.
- Sharp, William A., National City, assignor to Solar Aircraft Company, San Diego, Calif. Self-locking pliers with crossed handles. 2,453,041, Nov. 2.
- Sharpe, Everett E., Shelton, N. Y., assignor to Better Packages Incorporated. Dispenser for measured lengths of pressure sensitive tape. 2,454,844, Nov. 30.
- Sharpe, George A., Fairport, assignor to American Can Company, New York, N. Y. Body blank aligning device. 2,440,701, May 4.
- Sharpe, Jack, Wembley, England. Signal reproducing system. 2,440,301, Apr. 27.
- Sharpe, John S., Haverford, Pa. Mechanical movement. 2,434,082, Jan. 6.
- Sharpes, Roy E., Harrisonburg, Va. Propeller mounting. 2,444,539, July 6.
- Sharphouse, John H.: *See*—
- Rooney, James H., Sharphouse, and Hawth. N.
- Sharples Chemicals Inc., assignee: *See*—
- Barham, Harold N.
- Eaton, John L., and Olin.
- Gallagher, Dudley M., and Gillette.
- Gillette, Leslie A.
- Olin, John F., and Eaton.
- Robinson, Correl N., Jr., and Olin.
- Sharples Corporation, The, assignee: *See*—
- Jones, Leo D.
- Sharples, Laurence P.
- Sharples, Laurence P., Ardmore, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal apparatus. 2,446,559, Aug. 10.
- Sharpless, William M., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system and method. 2,436,830, Mar. 2.
- Sharpless, William M., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal frequency converter. 2,438,521, Mar. 30.
- Sharps, George J., assignor to Pachner & Koller, Inc., Chicago, Ill. Fishing reel. 2,457,323, Dec. 28.
- Sharrard, George F.: *See*—
- Murray, Thomas F., Jr., and Sharrard.
- Sharratt, Albert G.: *See*—
- Sharratt, John G. and A. G.
- Sharratt, John G. and A. G., West Bromwich, England. Boring apparatus. 2,439,492, Apr. 13.
- Shartle, Ralph W., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Wire flexure testing apparatus. 2,442,713, June 1.
- Shasta Pump Company, assignee: *See*—
- Piccardo, Jack E.
- Shatkin, Aaron, Long Branch, N. J. Safety latch. 2,443,934, June 22.
- Shatkin, Aaron, Matawan, N. J. Safety latch. 2,449,419, Sept. 14.
- Shatkin, Sidney, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Cosmetic holder. 2,453,867, Nov. 16.
- Shattuck, Morris T., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous glycolic acid process. 2,443,482, June 15.
- Shauks, Arthur J., Haverhill, Mass. Mailbox. 2,444,679, July 6.

- Shaver, Everett E.: *See*—
Sensenbach, Elmo R., and Shaver.
- Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.
- Shaver, James B., University Heights, Ohio. Ventilator. 2,439,271, Apr. 6.
- Shaw, Alfred, Chicago, Ill. Roof structure. 2,449,330, Sept. 14.
- Shaw, Bernard: *See*—
Dreyfus, Henry, Rooney, and Shaw.
- Shaw, Burton E., Lawrence, Mass., assignor to Penn Electric Switch Co., Goshen, Ind. Warp switch. 2,446,307, Aug. 3.
- Shaw, Elgin L.: *See*—
Donnell, Lloyd H., and Shaw.
- Shaw, Emmett A.: *See*—
Butler, Bill E., and Shaw.
- Shaw, Frederick T., assignor to Joseph Lucas Limited, Birmingham, England. Electrical plug and socket connections. 2,445,927, July 27.
- Shaw, Harold D.: *See*—
Anderson, William B., and Shaw.
- Shaw, Henry, Bessacarr, Doncaster, England. Welding rod and electrode holder. 2,452,876, Nov. 2.
- Shaw, Herbert G., Derby, assignor to Sargent & Company, New Haven, Conn. Rabbit plane. 2,449,015, Sept. 7.
- Shaw Insulator Company, assignee: *See*—
Dewey, Charles S., Jr.
- Shaw, Jack, assignee: *See*—
Custin, Thomas G., and Stoneman.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Oil cooler construction. 2,442,180, May 25.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Oil temperature control valve. 2,444,711, July 6.
- Shaw, John C., Bloomfield, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Bearing for reciprocating slides. 2,440,919, May 4.
- Shaw, Joseph P., assignor to Jessie Underwear Co., New York, N. Y. Child's slip. 2,443,483, June 15.
- Shaw, Julian C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment steaming and drying apparatus. 2,453,730, Nov. 16.
- Shaw, Julian C., and H. E. Blettner, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment finishing device. 2,454,888, Nov. 30.
- Shaw, Milton C., and O. W. Hart, Cleveland, Ohio. Centrifugal fluid seal. 2,447,034, Aug. 17.
- Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Apparatus for automatically bending work such as tubing into serpentine coils. 2,453,868, Nov. 16.
- Shaw, Richard J., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for educting oil from oil shale by use of superheated steam. 2,434,815, Jan. 20.
- Shaw, Robert D., Bloomfield, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Automatic duplicating machine. 2,455,882, Dec. 7.
- Shaw, Robert S., Hamilton, Ontario, Canada. Snow shovel. 2,441,449, May 11.
- Shaw and Slavsky, Inc., assignee: *See*—
Slavsky, Robert J. and J. R.
- Shaw, Thomas: *See*—
Shaw, Thomas E. and T.
- Shaw, Thomas, Cranston, R. I., assignor to Stackbin Corporation. Inclined bin. 2,455,706, Dec. 7.
- Shaw, Thomas E. and T., Cranston, R. I. Apparatus for mixing powdered material. 2,441,774, May 18.
- Shaw, Victor S.: *See*—
Ernst, Walter, Muller, and Shaw.
- Shaw, Victor S., Mount Gilead, Ohio, assignor to H-P-M Development Corporation. Fluid operable short stroke device. 2,437,131, Mar. 2.
- Shaw, Vincent G., Pittsburgh, Pa., assignor to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection. 2,448,399, Aug. 31.
- Shaw-Walker Company, The, assignee: *See*—
Burdick, John S., and Fairbank.
- Shawihigan Chemicals Limited, assignee: *See*—
Collins, Henry M.
Collins, Henry M., and Morrison.
Irany, Ernest P.
Kaufmann, Charles, and Hall.
Morrison, George O., Lossing, Heatley, and Germain.
- Shawinigan Resins Corporation, assignee: *See*—
Bromley, William H., Jr.
- Shawinigan Water & Power Co., assignee: *See*—
Eaton, Milton.
- Shay, James H., assignor to Shaycraft, Inc., Newtown Square, Pa. Hooked rug machine. 2,442,906, June 8.
- Shaycraft, Inc., assignee: *See*—
Shay, James H.
- Shea, Frederick M., assignor to Bear Brand Hosiery Co., Kankakee, Ill. Knitting machine. 2,436,904, Mar. 2.
- Shea, Lindsey W.: *See*—
Riemenschneider, Edmund W., and Shea.
- Shea, Richard F., Fairfield, Conn., assignor to General Electric Company. Limiter for radio receiving apparatus. 2,443,057, June 8.
- Shea, Richard F., Fairfield, Conn., assignor to General Electric Company. Superheterodyne radio receiver. 2,443,935, June 22.
- Shea, Robert P., North Hollywood, assignor to E. Furer, Burbank, Calif., doing business as Acme Tool and Manufacturing Company. Intermittent film advancing mechanism. 2,457,409, Dec. 28.
- Sheaffer, Warren A.: *See*—
Clark, Charles W., and Sheaffer.
- Sheahan, Robert E., Bridgeport, Conn., assignor to General Electric Company. Arc lamp. 2,440,122, Apr. 20.
- Shearer, William A., assignor to New Castle Products, a copartnership composed of H. D. and J. S. Oberdorfer, New Castle, Ind. Trolley yoke structure. 2,446,887, Aug. 10.
- Shee, Farke B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cream separator drive. 2,448,196, Aug. 31.
- Sheehan, Edmund J., assignee: *See*—
Francek, Joseph R.
- Sheehan, Thomas H., Detroit, Mich. Timing device. 2,442,572, June 1.
- Sheets, Carl L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Switch for conveyor tracks. 2,434,523, Jan. 13.
- Sheets, Jack H., Verona, N. J., assignor to Curtiss-Wright Corporation. Sealed propeller hub arrangement. 2,436,612, Feb. 24.
- Sheffer, Andrew D., Brighton, Mich. Golf instructor. 2,455,707, Dec. 7.
- Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Hughes, George W.
Polk, Louis F.
Polk, Louis F., and Aller.
- Sheibley, Fred E.: *See*—
Robie, Norman P., and Sheibley.
- Shedler, Robert G., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for electric ranges. 2,450,399, Sept. 28.
- Shelby Cycle Company, The, assignee: *See*—
Smith, Leon A.
- Shelby, Fitz G., Shelby, Miss. Manual pocket square. 2,453,276, Nov. 9.
- Shelby Metal Products Company, The, assignee: *See*—
Seyforth, Rome C.
- Sheldon, John L., assignor to Corning Glass Works, Corning, N. Y. Improving stability and ultraviolet transmission of glass. 2,433,928, Jan. 6.
- Sheldon, Malcolm H., New York, N. Y. Electrical control system. 2,437,712, Mar. 16.
- Sheldrick, Henry W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron for tilting chairs. 2,447,283, Aug. 17.
- Sheldrick, Henry W., assignor to Collier-Keyworth Company, Gardner, Mass. Chair iron for tiltable seats and backs. 2,456,797, Dec. 21.
- Shell Development Company, assignee: *See*—
Adelson, David E.
Adelson, David E., and Dannenberg.
Adelson, David E., and Gray.
Archibald, Raymond C.
Archibald, Raymond C., Greensfelder, and Eggertsen.
Archibald, Raymond C., and Trimble.
Bakalar, Arthur B.
Ballard, Seaver A., and Winkler.
Barker, Robert S., and Whitehill.
Bell, James A.
Bergsteinsson, Ingolfur and Scheibli.
Bollinger, Loren C.
Bondi, Arnold A.
Bruis, Marinus, and Samuel.
Brunner, Eugene M., and Mardock.
Butcosk, Richard A.
Cheney, Harry A.
Cheny, Harry A., Dagley, and McAllister.
Cheney, Harry A., and McAllister.
Crake, Wilfred S.
Davis, Orris L., and Nixon.
Dannenberg, Hans.
De Benedictis, Aldo, and Luten.
Dickey, Frank H.
Dyduszyński, Adam.
Evans, Theodore W.
Evans, Theodore W., and Adelson.
Evans, Theodore W., and Melstrom.
Evans, Theodore W., and Shokal.
Fairbairn, Alasdair W.
Fay, Charles E.
Fetterly, Lloyd C.
Finch, Harry de V.
Finch, Harry de V., Ballard, and Evans.
Fleer, Alfred W.
Gilbert, Walton E.
Gilmore, Ronald P.
Grenot, Leo D.
Guizet, Carlos L.
Hatch, Lewis F., and Evans.
Hearne, George W., and Adams.
Hearne, George W., Evans, and Yale.
Hearne, George W., and La France.
Hill, Earl S.
Hughes, Malvern E.
Larsen, Robert G.
Larsen, Robert G., and Marple.
Luten, Daniel B., Jr., and De Benedictis.
Marple, Kenneth E.

Shell Development Company, assignee: *See*—Continued.

- Marple, Kenneth E., and Borders.
McAllister, Sumner H.
McAllister, Sumner H., and Bullard.
McLamore, William M.
Merten, Eugen.
Morris, Rupert C.
Morris, Rupert C., Dannenberg, and Finch.
Morris, Rupert C., and Evans.
Morris, Rupert C., Horowitz, and Snider.
Morris, Rupert C., and Melchior.
Morris, Rupert C., and Shokal.
Morris, Rupert C., and Snider, and Williams.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Snider.
Nixon, Alan C., and Davis.
Nixon, Alan C., and Yabroff.
Parker, James H.
Pierotti, Gino J.
Plank, Norris.
Rapean, John C., and Ross.
Reamer, Thomas E.
Redmond, John F.
Ross, William E.
Routson, Willis G.
Rust, Frederick F., and Raley.
Rust, Frederick F., and Vaughan.
Sample, George E., and Miller.
Schaafsma, Albert.
Schramm, Milton E.
Shokal, Edward C.
Shokal, Edward C., and Morris.
Smith, Albert E., and Beeck.
Smith, Grafton A.
Souders, Mott, Jr., and Cherniavsky.
Souders, Mott, Jr., and French.
Stewart, Hall, and Schaefer.
Tamele, Miroslav W., Irvine, and Mahar.
Van der Valk, Johannes H. A. P., and Ruys.
Vaughan, William E., and Barnett.
Vaughan, William E., and Bell.
Vaughan, William E., and Rust.
Von Fuchs, George H., and Wilson.
Wachter, Aaron.
Wachter, Aaron, and Stillman.
Wagers, John K., and Shokal.
Whetstone, Richard R.
White, Ellis R.
White, Ellis R., and Harman.
Williams, Paul H., and Ballard.
Winkler, De Loss E., and Mortimer.
Winkler, De Loss E., Raab, and Ballard.
Yates, Wallace J.
- Shell, Elwood F., San Francisco, Calif. Tire repair apparatus. 2,447,035, Aug. 17.
Shellberg, Edward A., Chicago, Ill. Air deflector. 2,442,441, June 1.
Shelley, Robert J., Coconut Grove, Fla. Beverage cabinet having a rotatable compartment member. 2,447,602, Aug. 24.
Shellmar Products Company, assignee: *See*—
De Swart, Jan.
Shellmar Products Corporation, assignee: *See*—
Cox, John W.
De Swart, Jan.
Swedlow, David A.
- Shelly, Gene, change of name: *See*—
Lenseke, Louis G.
- Shelton, A. B., Corporation, assignee: *See*—
Shelton, Andrew B.
- Shelton, Andrew B., assignor to A. B. Shelton Corporation, Columbus, Ga. Flaw detector for looms. 2,445,697, July 20.
Shelton, Elbert M., and W. L. Thompson, Pittsburgh, Pa., assignors to Johnson & Johnson. Treating polyvinyl alcohol filaments and treated filament. 2,447,140, Aug. 17.
Shelton, George I., and H. L. Dowell, Athens, Tex. Automobile service table. 2,454,889, Nov. 30.
Shelton, George I., and H. L. Dowell, Athens, Tex. Automobile service table. 2,456,220, Dec. 14.
Shelton, Robert S.: *See*—
Van Campen, Marcus G., Jr., and Shelton.
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Therapeutic peroxide composition. 2,436,673, Feb. 24.
Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Deer Park, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Substituted pyridinium and piperidinium compounds. 2,446,792, Aug. 10.
Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Substituted pyridinium and piperidinium compounds. 2,446,793, Aug. 10.
Shema, George W., assignee: *See*—
West, George A.
- Shene, Francis E., Vermontville, N. Y. Animal trap. 2,457,501, Dec. 28.
Shenk, Eugene R.: *See*—
Miller, William A., and Shenk.
- Shenk, Eugene R., Brooklyn, and A. Kahn, Queens Village, N. Y., assignors to Radio Corporation of America. Low frequency oscillator. 2,451,245, Oct. 12.
Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Modulator employing trigger circuit. 2,456,026, Dec. 14.
Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Wide band frequency modulator. 2,456,089, Dec. 14.
Shenk, Wilbur J.: *See*—
Halbedel, Harold S., Cardon, and Shenk.
- Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Transientless modulator system for keying. 2,455,616, Dec. 7.
Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Telescriber system utilizing carrier transmission of four intelligences. 2,455,617, Dec. 7.
Shepard, Francis H., Jr., Madison, N. J., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Damping follow-up mechanism by degenerative derivative. 2,455,618, Dec. 7.
Shepard, Norman A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Solubilized alkaryl sulfonate composition. 2,445,975, July 27.
Shepard, Ralph H., assignor to Nathan Manufacturing Company, New York, N. Y. Pumping unit for mechanical lubricators. 2,436,492, Feb. 24.
Shepard, Ralph H., assignor to Nathan Manufacturing Company, New York, N. Y. Mechanical lubricator. 2,436,493, Feb. 24.
Shepardson, Robert M., Madison, N. J., assignor to Standard Oil Development Company. Production of aromatic hydrocarbons of high purity. 2,442,060, May 25.
Shepardson, Robert M., Cranford, and R. L. Mathiasen, Fords, N. J., assignors to Standard Oil Development Company. Production of aromatics by thermal cracking. 2,444,855, July 6.
Shepherd, Allan D.: *See*—
Maclay, William D., Shepherd, McCready, and Graham.
- Shepherd, Clark B.: *See*—
Buehl, Walter M., and Shepherd.
- Shepherd, Harold F., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Fuel regulating means for dual fuel engines. 2,454,222, Nov. 16.
Shepherd, Judson O., Atlanta, Ga. Traffic signal control system. 2,451,457, Oct. 12.
Shepherd, Judson O., Atlanta, Ga. Signal system employing polarized light. 2,457,502, Dec. 28.
Shepherd, Ronald B., assignor to Standard Telephones and Cables Limited, London, England. Time modulation pulse system. 2,434,965, Jan. 27.
Sheppard, Allan G., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Two-stage pump. 2,440,560, Apr. 27.
Sheppard, Charles B., Cheltenham, Pa., assignor to Hazeltine Research, Inc., Chicago, Ill. High-frequency pulse measuring system. 2,434,334, Jan. 13.
Sheppard, Raymond, Schenectady, N. Y., assignor to General Electric Company. Turbine oil system with pump priming arrangement. 2,440,980, May 4.
Sheppard, Richard D., Bridgeton, N. J. Onion grading rollers. 2,454,015, Nov. 16.
Sheppard, Richard H., Hanover, Pa. Fuel injection pump. 2,438,190, Mar. 23.
Sheppard, Richard H., Hanover, Pa. Cylinder head construction, bridge cooling. 2,450,998, Oct. 12.
Sheppard, Richard H., Hanover, Pa. Fuel pump drive for Diesel engines. 2,455,275, Nov. 30.
Sheppard, William F., Chicago, Ill. Foldaway shoe tree. 2,452,689, Nov. 2.
Sherban, Daniel V., Keyport, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Closed-loop material transport system, including an in-circuit pulverizer. 2,436,487, Feb. 24.
Sherbrook, Victor A., East Millbury, assignor to P. O. MacBride, Waban, Mass. Forming sewing ribs for welt-type insoles. 2,435,163, Jan. 27.
Sherick, Adrian R., assignor, by mesne assignments to Master Industries, Inc., New York, N. Y. Freezing apparatus. 2,446,614, Aug. 10.
Sheridan, Edward: *See*—
Engle, Loy S., Sheridan, and Fischer.
- Sheridan, Henry M., Erie, Pa. Tool bit and holder therefor. 2,449,823, Sept. 21.
Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit and holder therefor. 2,451,246, Oct. 12.
Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit and holder therefor. 2,452,877, Nov. 2.
Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Toolholder. 2,453,464, Nov. 9.
Sheridan, Hiram W., Oak Park, and W. G. Taylor, Chicago, Ill. Ignition system. 2,446,888, Aug. 10.
Sherk, Daniel L.: *See*—
Haney, Clifford I., Martin, and Sherk.
- Sherlock, John E., assignor to The British Thermostat Company Limited, Sunbury-on-Thames, England. Thermostatically operated electrical switching device. 2,446,961, Aug. 10.

- Sherman, Alvin G., Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind. Construction of small boats. 2,453,463, Nov. 9.
- Sherman, Arthur G., Tracy, Calif. Dehydrating system. 2,450,843, Oct. 5.
- Sherman, H. B., Manufacturing Co., assignee: *See*—Doerr, Raymond and K.
- Sherman, H. B., Manufacturing Co., assignee: *See*—Doerr, Raymond S., and K.
- Sherman, John Q., deceased, by K. M. Sherman, W. C. Sherman, and W. B. Turner, executors, Dayton, Ohio. Separating machine. 2,440,302, Apr. 27.
- Sherman, Katherine M., executor: *See*—Sherman, John Q.
- Sherman, Monroe, assignee: *See*—Polak, Joseph F.
- Sherman, Ralph A., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Method and apparatus for burning carbonaceous fuels. 2,455,817, Dec. 7.
- Sherman, Robert S., Lynn, Mass. Air conditioning apparatus. 2,433,960, Jan. 6.
- Sherman, Thomas L., assignor to The Steel Products Engineering Co., Springfield, Ohio. Cooling jacket and cylinder construction. 2,457,183, Dec. 28.
- Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dehydration of liquids. 2,434,966, Jan. 27.
- Sherman, Vernon W., Summit, and C. M. Wheeler, Montclair, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y. High-frequency oscillator circuit for induction heating apparatus. 2,454,845, Nov. 30.
- Sherman, William C., executor: *See*—Sherman, John Q.
- Sherman, William J., Sr., New Albany, Ind. Rotary locking screw plug. 2,457,184, Dec. 28.
- Sheroff, Irving: *See*—Green, Marty, and Sheroff.
- Sherrill, Eugene A., assignor to Bendix Aviation Corporation, South Bend, Ind. Oil dilution and primer system for internal-combustion engines. 2,457,739, Dec. 28.
- Sherrin, Max H., New York, N. Y. Bathroom scale support. 2,441,037, May 4.
- Sherts, James H., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Glare reducing rear-vision mirror. 2,455,818, Dec. 7.
- Sherwin, Frederick S., Fair Lawn, N. J., assignor to Wright Aeronautical Corporation. Fin vibration dampener. 2,455,708, Dec. 7.
- Sherwin-Williams Company, The, assignee: *See*—Arvin, James A., and Gitchel.
- Hanson, Benjamin R.
- Sherwood, Henry A.: *See*—Schirokauer, Henry.
- Sherwood, Lester L., Los Angeles, Calif. Attaching transparent envelopes to billfolds. 2,451,122, Oct. 12.
- Sherwood, Robert H., Ketchum, Idaho. Protective visor. 2,447,776, Aug. 24.
- Sheshunoff, Victor: *See*—Whitfield, Marshall G., and Sheshunoff.
- Shetka, Adolph, guardian: *See*—Shetka, Robert A.
- Shetka, Robert A., ward, by A. Shetka, guardian, St. Paul, Minn. Fish lure. 2,436,232, Feb. 17.
- Shewell, Charles T.: *See*—Draeger, Arthur A., and Shewell.
- Shewell, Charles T., Baytown, Tex., and J. R. Shewell, Auburn, Ala., assignors to Standard Oil Development Company. Apparatus for interpretation of spectrum analysis data represented by a curve. 2,442,098, May 25.
- Shewell, John R.: *See*—Shewell, Charles T., and J. R.
- Shideler, Elbert M.: *See*—Bloxom, Harvey L., and Shideler.
- Shield, Lansing P., Ridgewood, N. J., assignor to The Grand Union Company, New York, N. Y. Display and delivery device. 2,443,871, June 22.
- Shields, James R., assignor to Blaw-Knox Company, Pittsburgh, Pa. Immersion heater for vapor heating jacket or the like. 2,434,016, Jan. 6.
- Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Drop bottom mine car latch. 2,455,276, Nov. 30.
- Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Lateral shifting caster truck. 2,457,783, Dec. 28.
- Shields, Samuel F., McDavid, assignor of one-half to P. M. Clyde, Pensacola, Fla. Hydraulic transmission for outboard motors. 2,445,369, July 20.
- Shields, Willie A., Powderly, Ala. Garment bag applying and removing device. 2,439,148, Apr. 6.
- Shiffet, William E., St. Clair Shores, Mich. Outboard motor dolly. 2,450,304, Sept. 28.
- Shikles, Horace E., Jr., and D. E. Williams, Kansas City, Mo. Carrying device. 2,446,670, Aug. 10.
- Shillady, Marion C., Norristown, Pa. Table. 2,447,141, Aug. 17.
- Shimek, Edwin J., Dallas, assignor of one-half to H. Allen, Houston, Tex. Pipe joint connection. 2,444,380, June 29.
- Shimmon, William L., Modesto, Calif. Vineyard plow. 2,452,212, Oct. 26.
- Shimp, William A., Minneapolis, Minn. Liquid measuring and dispensing apparatus. 2,453,080, Nov. 2.
- Shinberg, Barney: *See*—Shrager, Hymen, and Shinberg.
- Shinberg, Barney, and H. Shrager, Westerly, R. I. Method and apparatus for molding shoe uppers. 2,450,490, Oct. 5.
- Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Protective goggle. 2,456,334, Dec. 14.
- Shipley, George H., Jr., Baytown, Tex., assignor to Standard Oil Development Company. Separating butadiene and acetylene from a hydrocarbon mixture. 2,440,493, Apr. 27.
- Shipley, George H., Jr., Baytown, and G. W. Wilson, Jr., Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method for treating a hydrocarbon feed stock with a solution of toluene sulphonic acid and sodium meta arsenite. 2,436,494, Feb. 24.
- Shipley, Robert C., Kalamazoo, Mich. Container closure. 2,436,531, Feb. 24.
- Shipman, James J.: *See*—Davies, John M., Shipman, and Davidson.
- Shipner, John R., South Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Stabilization of fatty material. 2,457,741, Dec. 28.
- Shipp, Guy M., Navy Yard, S. C. System and apparatus for fuel ignition. 2,436,079, Feb. 17.
- Shippee, Carl C.: *See*—Shippee, Winsor and C. C.
- Shippee, Winsor, Fair Haven, N. J. Fastener. 2,452,331, Oct. 26.
- Shippee, Winsor, Fair Haven, N. J. Rotatable separable fastener. 2,454,223, Nov. 16.
- Shippee, Winsor and C. C., Fair Haven, N. J. Fastener. 2,452,330, Oct. 26.
- Shipstead, Helge, Syracuse, assignor to The Borden Company, New York, N. Y. Vacuum treatment of milk powder. 2,453,277, Nov. 9.
- Shirley, Edwin L.: *See*—Lynn, Lawrence S., Jr., and Shirley.
- Shirling, Hollis V., Haverhill, Mass. Heel-seating plate. 2,438,253, Mar. 23.
- Shive, John N.: *See*—Becker, Joseph A., Shive, and Griffith.
- Shive, Scott L., Detroit, Mich., assignor to the United States of America as represented by the Secretary of War. Tester for electrical shieldings. 2,446,195, Aug. 3.
- Shive, William, Austin, Tex., and E. E. Snell, Madison, Wis., assignors to Research Corporation, New York, N. Y. N-substituted pantoyl amides. Re. 23,063, Dec. 14.
- Shive, William, Austin, Tex., and E. E. Snell, Madison, Wis., assignors to Research Corporation, New York, N. Y. N-substituted pantoyl amides. 2,446,615, Aug. 10.
- Shivell, Homer J., Kingsport, Tenn. Check strap. 2,452,690, Nov. 2.
- Shively, Walter E., assignor to Wingfoot Corporation, Akron, Ohio. Prerotation airplane tire and making it. 2,435,801, Feb. 10.
- Shock, Escu W., Rogue River, Oreg. Egg cleaning machine. 2,457,324, Dec. 28.
- Shoda, Walter, St. Albans, N. Y. Sectional post lock for loose-leaf binders. 2,449,331, Sept. 14.
- Shoe Form Co. Inc., assignee: *See*—De Witt, William J., and Corbett.
- Shoeld, Mark, assignor to The Davison Chemical Corporation, Baltimore, Md. Granulated superphosphate manufacture. 2,448,126, Aug. 31.
- Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Isomerization of paraffinic hydrocarbons. 2,452,691, Nov. 2.
- Shoemaker, David P., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Flow regulator. 2,454,574, Nov. 23.
- Shoemaker, George E., Ithaca, Pa. Terminal for electric discharge tubes. 2,450,999, Oct. 12.
- Shoemaker, J. H., assignee: *See*—Webster, Hugh G.
- Shoemaker, Malcolm G., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Controlled humidity refrigerator. 2,449,824, Sept. 21.
- Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Partition for refrigerators. 2,450,305, Sept. 28.
- Shoemaker, Robert M., and H. O. Bayler, Los Angeles, Calif. Support for garment hangers. 2,442,099, May 25.
- Shoffner, John R., Kittanning, Pa. Dust collector vibrator. 2,438,827, Mar. 30.
- Shokal, Edward C., assignee: *See*—Evans, Theodore W., Morris, and Shokal.
- Evans, Theodore W., and Shokal.
- Morris, Rupert C., and Shokal.
- Wagers, John K., and Shokal.
- Shokal, Edward C., Oakland, assignor to Shell Development Company, San Francisco, Calif. Polymerization of unsaturated compounds in the presence of a peroxide and a hydrogen halide. 2,445,189, July 13.
- Shokal, Edward C., Oakland, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Dialkylcyclohexyl glycols and certain derivatives thereof. 2,449,956, Sept. 21.

- Sholtis, John, Jr., Farrell, Pa., and H. K. Embree, Hamilton, Ontario, Canada, assignors to Griplock, Inc., Hoboken, N. J. Machine for making wire straps. 2,439,272, Apr. 6.
- Shonle, Horace A., and A. M. Van Arendonk, assignors to Eli Lilly and Company, Indianapolis, Ind. 4-dialkyl-aminoalkylamino-6-methoxyquinoline. 2,454,949, Nov. 30.
- Shook, Charles P., Jr., Birmingham, Ala. Belt connector. 2,454,224, Nov. 16.
- Shook, Ellen L., Port Arthur, Tex. Measuring volumetric samples. 2,434,723, Jan. 20.
- Shopmaker, Leopold, Kansas City, Kans. Grip attachment for violin bows. 2,452,396, Oct. 26.
- Shore, William F., Freeport, N. Y. Gauge for measuring and indicating the hardness of various substances. 2,453,042, Nov. 2.
- Shores, William P., San Francisco, Calif. Beater. 2,454,350, Nov. 23.
- Short, Arthur F., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,444,068, June 29.
- Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,436,905, Mar. 2.
- Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. High-frequency ignition system. 2,456,743, Dec. 21.
- Short, Brooks H., and H. L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition system. 2,446,671, Aug. 10.
- Short, Frank, Canton Center, Conn. Antipersonnel mine. 2,440,702, May 4.
- Short, Frank, East Berlin, Conn. Grenade. 2,447,036, Aug. 17.
- Short, Frank, U. S. Army. Aerochemical device. 2,442,381, June 1.
- Short, Frank L., New York, N. Y. Frame and harness for dog baths. 2,438,979, Apr. 6.
- Short, Ronald V., assignee: *See—*
Greaves, Albert H.
- Short, Thomas T.: *See—*
Uttal, Joseph A., and Short.
- Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Voltage stabilizer. 2,442,214, May 25.
- Short, Wallace F., and M. W. Partridge, Nottingham, England. Manufacture of amidines. 2,449,724, Sept. 21.
- Short, Wallace F., and M. W. Partridge, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of compounds containing amidine groups. 2,450,386, Sept. 28.
- Short, Wallace F., and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of amidines. 2,451,779, Oct. 19.
- Short, William S.: *See—*
Sowerby, George A., and Short.
- Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Shrouded elongated head multinozzle burner. 2,435,638, Feb. 10.
- Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Flame treatment of substantially cylindrical internal surfaces such as bores. 2,455,447, Dec. 7.
- Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Machine for producing knitted fabric. 2,442,442, June 1.
- Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Mechanism for feeding yarn in circular weft knitting machines. 2,448,498, Aug. 31.
- Shortt, Hubert L., assignor to Polytron Corp., White Plains, N. Y. Phonographic device. 2,455,529, Dec. 7.
- Shotton, John C., Lakewood, Ohio. Smoking pipe. 2,452,397, Oct. 26.
- Shouse, James F., Moline, Ill. Golf teeing apparatus. 2,450,206, Sept. 28.
- Showacre, Frank A., Bethesda, Md. Differential railroad car wheel axle. 2,440,351, Apr. 27.
- Showalter, Galen R., Roanoke, Va. Disk harrow carrier. 2,454,675, Nov. 23.
- Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Cutting oil composition. 2,438,461, Mar. 23.
- Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Development Company. Removing asphalt emulsion from containers. 2,442,100, May 25.
- Shoyu, King, Company, assignee: *See—*
Murata, Hideko.
- Shrager, Hymen: *See—*
Shinberg, Barney, and Shrager.
- Shrager, Hymen, and B. Shinberg, Westerly, R. I., assignors to American Felt Company, Glenville, Conn. Hat. 2,455,619, Dec. 7.
- Shreir, Louis L., London, England, assignor to Baker & Company, Incorporated, Newark, N. J. Producing a catalyst of fibrous asbestos. 2,444,896, July 6.
- Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Cabinet with combined cover and swingable mirror. 2,435,103, Jan. 27.
- Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Open top display refrigerator. 2,442,515, June 1.
- Shrewsbury, Robert S., Dunedin, Fla. Compensating means for indicators on positioning devices. 2,448,473, Aug. 31.
- Shrivo, Morris A., Elberon, and M. B. Kraus, Jr., Red Bank, N. J. Battery mount. 2,449,568, Sept. 21.
- Shriver, William C., Huntington, Ind. Compression mold. 2,442,516, June 1.
- Shrout, Fasset G., Harriman, Tenn. Culinary utensil. 2,444,681, July 6.
- Shulman, Louis, New York, N. Y. Waistline control garment. 2,457,071, Dec. 21.
- Shulman, Louis, New York, N. Y. Strapless brassiere. 2,448,919, Sept. 7.
- Shumaker, Howard A., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner having a floating nozzle. 2,446,985, Aug. 10.
- Shuman, Royal L., Newark, N. J., assignor to Celanese Corporation of America. Stabilization and purification of alkyl phenols derived from petroleum. 2,446,250, Aug. 3.
- Shumann, Harold F., Pittsburgh, Pa. Bag adapted for display by suspension. 2,439,584, Apr. 13.
- Shur-Antenna-Mount Inc.: *See—*
Shur, John W.
- Shur, John W., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y. Antenna mounting. 2,439,061, Apr. 6.
- Shur, John W., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y. Antenna mounting bracket. 2,439,062, Apr. 6.
- Shur, John W., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y. Bracket for mounting antenna masts. 2,439,063, Apr. 6.
- Shurcliff, William A., Washington, D. C. X-ray apparatus and procedure. 2,453,163, Nov. 9.
- Shure Brothers, Incorporated, assignee: *See—*
Bauer, Benjamin B.
- Shuron Optical Company, Inc., assignor: *See—*
Rohrbach, John J.
- Shurts, Wilbur F.: *See—*
Black, James B., and Shurts.
- Shutt, James M.: *See—*
Wachs, Theodore, and Shutt.
- Shutt, John C.: *See—*
Meyers, George L., and Shutt.
- Shy, Carl V., Detroit, Mich. Shotgun aligner. 2,442,215, May 25.
- Siberts, Carl E., Jackson, Miss. Baseball game. 2,448,837, Sept. 7.
- Sickels, Jackson P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,676, Nov. 9.
- Sickels, Jackson P., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,453,677, Nov. 9.
- Sickels, Jackson P., Plainfield, N. J., and D. E. Sargent, Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Alkamine alkyl esters of pyrrole-3,4-dicarboxylic acids. 2,453,675, Nov. 9.
- Sickles, F. W., Company, The, assignee: *See—*
Oliver, Herbert F.
- Sickles, Royal F.
- Sickles, Royal F., Springfield, assignor to The F. W. Sickles Company, Chicopee, Mass. Securing device. 2,450,306, Sept. 28.
- Sidebotham, Melvin H., Newton, Mass. Machine for thermoplastically treating materials. 2,452,959, Nov. 2.
- Sidell, Philip A., Rock Island, assignor to American Machine and Metals, Inc., East Moline, Ill. Axial flow fan. 2,457,325, Dec. 28.
- Sides, Harold I., assignor of one-half to Raymond M. Sides, Chicago, Ill. Auxiliary shelf for carts. 2,451,985, Oct. 19.
- Sides, Raymond M., assignee: *See—*
Sides, Harold I.
- Sidnam, Alan N., New York, N. Y., B. Bolté, New Canaan, Conn., and T. C. Neary, New York, N. Y. Shoe protector. 2,446,284, Aug. 17.
- Sidnell, Albert E., Akron, assignor to Seiberling Latex Products Company, Barberton, Ohio. Perforated rubber laundry bag. 2,439,757, Apr. 13.
- Siebert, Herman: *See—*
Peterson, Peter A., and Siebert.
- Siebrandt, John R., Kansas City, Mo. Splint and guard construction. 2,435,850, Feb. 10.
- Siebring, Maurice B., Kersey, Colo. Planter. 2,445,698, July 20.
- Siefert, Anne, Chicago, and J. M. Laiho, Skokie, Ill. Making yarn articles. 2,450,695, Oct. 5.
- Siefert, John T., assignor of one-half to L. E. Stringer, Tacoma, Wash. Clothes washing machine. 2,441,723, May 18.
- Sieg, James E., U. S. Coast Guard. Compensator for firearms. 2,442,382, June 1.
- Sieg, James E., United States Coast Guard. Compensator for guns. 2,451,514, Oct. 19.
- Siegel, Alfred, Roselle, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phthalocyanine pigments and process for producing same. 2,452,608, Nov. 2.
- Siegel, Morris H., and F. Sonin, New York, N. Y. Apparatus for forming fur filled yarn. 2,451,881, Oct. 19.

- Siegel, Nathan, assignor to Granat Bros., San Francisco, Calif. Safety guard. 2,440,728, May 4.
- Siegler, Edouard H., Takoma Park, Md. Particles coated with 2,2-bis(parachlorophenyl)-1,1,1-trichloroethane. 2,444,752, July 6.
- Siekmann, Harold J., Cincinnati, and W. A. Kimsey, Mariemont, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic step turning lathe. 2,450,096, Sept. 28.
- Siemens Brothers & Co. Limited, assignee: *See*—Christian, David A.
- Siemens Electric Lamps and Supplies Limited, assignee: *See*—Treece, Harold R., and Wilkinson.
- Siemens, Eric, assignor, by mesne assignments, to Lacey-Webber Co., Kalamazoo, Mich. Welding electrode holder. 2,454,617, Nov. 23.
- Siesel, Josephine M., executrix: *See*—Siesel, William M.
- Siesel, William M., Morrisville, Pa., deceased; J. M. Siesel, executrix. Torque overload release device. 2,441,038, May 4.
- Sievenpiper, Frederic L., Alden, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of quinizarine. 2,445,538, July 20.
- Siever, Paul, Minneapolis, Minn. Tire deflation indicator. 2,444,856, July 6.
- Siewert, Edwin C.: *See*—Riege, Harold, and Siewert.
- Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Amplifying circuit arrangement. 2,452,499, Oct. 26.
- Sifferd, Robert H., Hollywood, assignor to Armour and Company, Chicago, Ill. Preparation of cholic acid. 2,438,232, Mar. 23.
- Sigford, John V.: *See*—Gille, Willis H., and Sigford.
- Sight Feed Generator Company, The, assignee: *See*—Smith, Carl F.
- Sight Light Corporation, The, assignee: *See*—Doane, Leroy C.
- Sigman, John J., Cicero, Ill. Victory light. 2,434,774, Jan. 20.
- Sigmond, David, Brooklyn, assignor of one-half to D. B. C. Sales Corporation, New York, N. Y. Dress bottom cutter. 2,434,371, Jan. 13.
- Sigmund Corporation, assignee: *See*—Sigmund, Frank J., and W. S. Hlavin.
- Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Envelope for winding elements. 2,435,241, Feb. 3.
- Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Fluidproof winding element. 2,457,740, Dec. 28.
- Signaigo, Frank K.: *See*—Salzberg, Paul L., and Signaigo.
- Signaigo, Frank K., Brandywine Hundred, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. S-(amido-methyl)-dimercaptopropanols. 2,449,332, Sept. 14.
- Signaigo, Frank K., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process for cleaving the —S— group in dialkyl disulfides. 2,454,099, Nov. 16.
- Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of active carbon. 2,437,174, Mar. 2.
- Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light polarizing polyvinyl orthoborate films. 2,444,712, July 6.
- Signaigo, Frank K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing monomeric dithioglycidol. 2,436,233, Feb. 17.
- Signaigo, Frank K., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Water-soluble heavy metal salts of thiosorbitol and other monothio sugar alcohols. 2,440,729, May 4.
- Signal Engineering & Manufacturing Company, assignee: *See*—Bean, Roscoe D.
- Signal Manufacturing Company, The, assignee: *See*—Bolu, Maximilian R.
- Signal Oil and Gas Company, assignee: *See*—Young, Garth L.
- Signalness, Alfred M., North Bend, Oreg. Decoy. 2,434,335, Jan. 13.
- Signalness, Alfred M., North Bend, Oreg. Ammunition dispenser. 2,436,154, Feb. 17.
- Signer, Ralph J., assignor to The Visking Corporation, Chicago, Ill. Butadiene-acrylonitrile copolymer mixed with vinylidene chloride-acrylonitrile copolymer. 2,456,454, Dec. 14.
- Signet, Ltd., assignee: *See*—Allen, La Bron R., and J. H., and Kabitsch.
- Signode Steel Strapping Company, assignee: *See*—Chamberlain, Paul A.
- Lau, Herbert C.
- Sikes Company, The, assignee: *See*—Sengpiel, William J.
- Sikorra, Daniel J.: *See*—Rockwood, Charles H., and Sikorra.
- Silberman, David, New York, N. Y. Zipper manufacturing machinery. 2,437,793, Mar. 16.
- Silberstein, George P., assignor to Eastman Kodak Company, Rochester, N. Y. Collapsible view finder. 2,448,920, Sept. 7.
- Silberstein, Victor: *See*—Kenyon, Joseph, and Silberstein.
- Silcox, William D.: *See*—Birsch, Edwin T., and Silcox.
- Silene, Rudolph A., Los Angeles, Calif. Salesman's folding sample case. 2,454,575, Nov. 23.
- Silent Hoist & Crane Co., Inc., assignee: *See*—Flynn, Francis K., and Adelman.
- Siler, Arvid O., Richmond, Va. Automatic weighing machine. 2,442,907, June 8.
- Sillex Company, The, assignee: *See*—Bassett, Edward H.
- Reichold, Ludwig.
- Wolcott, Frank E.
- Silge, Martin, Oakland, Calif. Refractometer based on the principle of total reflections. 2,445,499, July 20.
- Siller, Charles W.: *See*—Gamble, David L., Cyr, Siller, and Bisling.
- "Silto, S. A.," assignee: *See*—Ponsy, Louis E.
- Silva, Willard C., Sarasota, Fla. Celery harvester. 2,436,831, Mar. 2.
- Silven, Herbert A.: *See*—Flygare, Carl G., La Fleur, and Silven.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cylindrical grinding machine. 2,448,283, Aug. 31.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Hydraulically operated feeding mechanism. 2,448,921, Sept. 7.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cylindrical grinding machine. 2,453,678, Nov. 9.
- Silver, Martin: *See*—Frankel, Sidney, and Silver.
- Silver, Martin, Bronx, N. Y., C. A. Segerstrom, Jr., Teaneck, N. J., and R. B. Reade, Riverdale, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Wobbled frequency carrier wave communication system. 2,448,055, Aug. 31.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift. 2,436,155, Feb. 17.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Overload yielding hitch device. 2,447,097, Aug. 17.
- Silverberg, Carl G., Brookfield, assignor to American Optical Company, Southbridge, Mass. Refractory and making the same. 2,440,187, Apr. 20.
- Silverman, Alexander, Pittsburgh, Pa. Nail file. 2,450,207, Sept. 28.
- Silverman, Daniel, Richmond, Va. Amusement and educational device. 2,447,370, Aug. 17.
- Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Signaling system. 2,447,098, Aug. 17.
- Silverman, Henry H., Jamaica, N. Y. Work holder for lapping latches. 2,449,791, Sept. 21.
- Silverman, Shirleigh, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating oriented acrylonitrile structures. 2,445,042, July 13.
- Silverman, Willie, Jacksonville, Fla. Preventing duplication of marks on laundry. 2,439,679, Apr. 13.
- Silverstein, Arnold L., New York, N. Y. Ophthalmoscope with light deviating means. 2,444,172, June 29.
- Silverstein, Martin S., Camden, N. J. Increasing the resistance of red phosphorous to oxidation. 2,440,303, Apr. 27.
- Silverstein, Ralph, assignor to M. Slifka & Sons, Inc., New York, N. Y. Belt. 2,442,621, June 1.
- Silvester, Austin G., Danvers, Mass., assignor to General Electric Company. Turbo-jet engine for aircraft propulsion. 2,439,273, Apr. 6.
- Slivia, Cyril L., Rockland, and A. Smith, Peabody, assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Jar ring. 2,446,493, Aug. 3.
- Simard, Gerald L.: *See*—Pray, Henry A. H., Ingelsrud and Simard.
- Simard, Gerald L., Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Method and apparatus for producing electron diffraction spectra. 2,457,092, Dec. 21.
- Simcich, Matt, Los Angeles, Calif. Percolator bowl strainer. 2,438,302, Mar. 23.
- Simmon, Alfred: *See*—Simmon, Rudolph and A.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Device for making color prints. 2,438,303, Mar. 23.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Photoelectric exposure time and contrast print control instrument for photographic enlargers. 2,443,058, June 8.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simon Brothers, Inc., Long Island City, N. Y. Device for making test prints on color print material. 2,446,111, July 27.

- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simon Brothers, Inc., Long Island City, N. Y. Making test prints on color print material. 2,446,112, July 27.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simon Brothers, Inc., Long Island City, N. Y. Device to make test prints of photographic color print material by three nonuniform part exposures of a test triangle to three colors. 2,450,307, Sept. 28.
- Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Simmon, Alfred, and Weisglass.
Simmon, Rudolph and A.
Weisglass, Louis L.
- Simon, Rudolph and A., Jackson Heights, assignors to Simon Brothers, Inc., Long Island City, N. Y. Condenser type photographic enlarger with exchangeable lenses and adjustable lamp housing. 2,455,142, Nov. 30.
- Simmons Company, assignee: *See*—
Travis, Don C.
- Simmons, Edward E., Jr., Pasadena, Calif. Making strain gages. 2,434,628, Jan. 13.
- Simmons, Jack W., Tallahassee, Fla. Bottle carrier. 2,436,271, Feb. 17.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,439,400, Apr. 13.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Clutch and brake control. 2,440,304, Apr. 27.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cuttings conveying means. 2,448,056, Aug. 31.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cuttings conveying mechanism. 2,448,057, Aug. 31.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Reel mechanism. 2,450,257, Sept. 28.
- Simmons, Oscar R., Topeka, Kans. Matrix drying and roasting machine. 2,457,282, Dec. 28.
- Simmons, R. F., Company, assignee: *See*—
Levesque, Arthur H.
- Simmons Slicing Knife Company, assignee: *See*—
Gustafson, Harry M.
- Simon, Albert: *See*—
Strauss, Harold E., and Simon.
- Simon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simon Brothers, Inc., Long Island City, N. Y. Photographic shutter. 2,441,675, May 18.
- Simon, Constance A., assignee: *See*—
Simon, Justin, and Temko.
- Simon, Gerald H., San Francisco, Calif. Hat. 2,439,700, Apr. 13.
- Simon, Justin, Brooklyn, and R. S. Temko, New York, said Temko assignor to C. A. Simon, Woodmere, N. Y. Cigarette lighter. 2,451,515, Oct. 19.
- Simon, Louis J., Ilford, England. Floor scrubbing machine. 2,441,536, May 11.
- Simon, Louis J., Ilford, England. Drive for floor cleaning machines. 2,441,537, May 11.
- Simonds, Donald R., Hillcrest, N. J., assignor to Industrial Tape Corporation. Marking or printing machine. 2,435,869, Feb. 3.
- Simonds Machine Co., Inc., assignee: *See*—
Bonin, George E.
- Simonet, Harvey, Hyattsville, Md. Detachable heel. 2,449,914, Sept. 21.
- Simonian, Gerald, Fresno, Calif. Folding, wheeled, shopping bag. 2,439,992, Apr. 20.
- Simonian, Haig, North Hollywood, Calif. Umbrella. 2,443,836, June 22.
- Simonin, Louis, Hillsboro, Ill. Hook inserting tool. 2,437,762, Mar. 16.
- Simons, Edward W., assignor of one-half to G. W. Null, San Francisco, Calif. Cooling tower. 2,437,484, Mar. 9.
- Simons, Francis L., Montclair, assignor to George La Monte & Son, Nutley, N. J. Moisture-sensitive paper and the manufacture thereof. 2,445,586, July 20.
- Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of novel dicyandiamide derivatives. 2,456,090, Dec. 14.
- Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorination of organic compounds. 2,447,717, Aug. 24.
- Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making fluorocarbons. 2,456,027, Dec. 14.
- Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon compound. 2,456,028, Dec. 14.
- Simonsen, Charles W., Glencullen, Oreg. Closure for cylindrical openings. 2,442,964, June 8.
- Simonsen, Leo M., Eugene, Oreg. Spray device for projecting molten particles. 2,436,335, Feb. 17.
- Simonsen, Otta L., Burbank, Calif. Clothes form. 2,445,458, July 20.
- Simonson, Albin F., Brookings, S. Dak. Animal restraining device. 2,443,872, June 22.
- Simonson, George B., Hawthorne, Calif. Belt shifter. 2,441,775, May 18.
- Simonton, Budd E., and H. J. Dyer, Watertown, assignors to St. Regis Paper Company, New York, N. Y. Pallet. 2,447,285, Aug. 17.
- Simopoulos, Nicholas T., Dayton, Ohio. Ultra high frequency tuning unit. 2,448,554, Sept. 7.
- Simor, Eugene, New York, N. Y. Window cleaner with wiper feeder. 2,443,277, June 15.
- Simpkinson, Cecil H.: *See*—
Sutherland, Brian P., Thompson, Simpkinson, and Morris.
- Simplex Engineering Company, assignee: *See*—
Raymond, Thomas E.
- Simplex Lime Recorder Co., assignee: *See*—
Hobby, Harold E.
- Simplex Paper Corporation, assignee: *See*—
Wood, Arthur H.
- Simplex Piston Ring Mfg. Company, assignee: *See*—
Ferguson, Frederick G., and Thompson.
- Simplex Products Corporation, assignee: *See*—
Ferguson, Frederick G., and Thompson.
- Simplex Time Recorder Co., assignee: *See*—
Deane, Henry N.
Menton, Eugene L.
- Simplex Wrapping Machine Co., assignee: *See*—
Gaubert, Rene J.
- Simpson, Barry, Billacombe, near Plymouth, assignor of one-half to Simpson Fawcett & Company Limited, Billacombe, England. Folding two-wheeled baby carriage. 2,442,620, June 1.
- Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Buffer mechanism for firearms. 2,456,652, Dec. 21.
- Simpson Electric Company, assignee: *See*—
Bernreuter, Herbert A.
Simpson, Ray R.
- Simpson, Ernest H., Gettysburg, Pa. Governor for power driven air supply units. 2,434,675, Jan. 20.
- Simpson, Ernest L., Riverside, Ontario, Canada, assignor to Ford Motor Company, Dearborn, Mich. Crankshaft lubricant purifying means. 2,440,812, May 4.
- Simpson, George, Toronto, Ontario, Canada. Milk bottle cover. 2,439,320, Apr. 6.
- Simpson, Harold, London, England. Hand device for slicing or shredding vegetables and other foodstuffs. 2,443,873, June 22.
- Simpson, Henry A.: *See*—
Pecker, Joseph S., and Simpson.
- Simpson, Herbert S., assignee: *See*—
Christensen, Alfred C., and McIlvaine.
McIlvaine, Robert L.
Granath, Axel G.
- Simpson, James H.: *See*—
Bach, Peter J., and Simpson.
- Simpson, John: *See*—
Parkin, Leslie, and Simpson.
- Simpson, John D., and C. M. Ball, Mount Airy, N. C. Tobacco curing furnace. 2,435,518, Feb. 3.
- Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Company, Chicago, Ill. Can end feeding mechanism. 2,453,545, Nov. 9.
- Simpson, Randolph: *See*—
Haun, Jore C., and Simpson.
- Simpson, Ray R., River Forest, assignor to Simpson Electric Company, Chicago, Ill. Rotary switch. 2,447,718, Aug. 24.
- Simpson, Thomas P.: *See*—
Nelson, Theodore W., Noll, and Simpson.
Payne, John W., Simpson, and Butzner.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Handling a contact mass. 2,436,780, Feb. 24.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company. Hydrocarbon conversion. 2,439,372, Apr. 6.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for operations with a contact mass. 2,441,724, May 18.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for contacting gases with particle form solid material. 2,446,986, Aug. 10.
- Simpson, Thomas P., Woodbury, and R. Lee and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of hydrocarbons. 2,439,348, Apr. 6.
- Simpson, Thomas P., and S. C. Eastwood, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous cracking process. 2,448,922, Sept. 7.
- Simpson, Thomas P., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Activation of petroleum adsorbents. 2,449,016, Sept. 7.
- Simpson, Thomas P., and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for conversion of hydrocarbons. 2,457,093, Dec. 21.
- Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,455,196, Nov. 30.

- Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat exchanger. 2,456,455, Dec. 14.
- Simpson, William : *See*—
Buchanan, William K., and Simpson.
- Simpson, William J., and D. Finlayson, Spondon, near Darby, England, assignors to Celanese Corporation of America. Stabilized cellulose acetate. 2,454,950, Nov. 30.
- Simpson, William R., Jr. : *See*—
Witmyer, Harry M.
- Simpson, William T., St. Clairsville, Ohio. Invalid pad. 2,437,006, Mar. 2.
- Sims, Clair W., Pasadena, Calif. Stencil assembly with removable backing and facing sheets. 2,438,828, Mar. 30.
- Sims, Herman, Brooklyn, N. Y. Adjustable locking shoe lace tip. 2,451,247, Oct. 12.
- Sims, Marion W. : *See*—
Alexanderson, Ernst F. W., Mittag, and Sims.
Patterson, Franklin G., and Sims.
- Sims, Marion W., Fort Wayne, Ind., assignor to General Electric Company. Electric terminal and coil. 2,445,587, July 20.
- Sims, Norman E., Jr., Arlington, Va. Accumulative impacting head for nut runners and the like. 2,440,834, May 4.
- Sims, Redding : *See*—
Rogers, John C., and Sims.
- Simon, Walter H., Ridgewood, assignor to Duro-Test Corporation, North Bergen, N. J. Ballast structure for electron discharge devices. 2,435,410, Feb. 3.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,434,180, Jan. 6.
- Sinclair, Edward L. : *See*—
Utterback, Sinclair, and Crowley.
- Sinclair, Edward L., Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for contacting gases and solids. 2,441,335, May 11.
- Sinclair Refining Company, assignee : *See*—
Bauer, Oscar W., and Teter.
Kleinholz, Milton P.
Mostek, Jerome L.
Muecke, Edward.
Parry, Frank.
Sailer, Rudolph J.
Shumaker, Howard A.
Teter, John W.
Teter, John W., and Bauer.
Teter, John W., and Merwin.
Teter, John W., and Smith.
Turner, Edgar P.
Watson, Kenneth M.
Wayo, Stephen J.
- Sinclair, Wilford P., Ryland, N. C. Automatic cigarette holder. 2,436,615, Feb. 24.
- Sines, Edward, Toledo, Ohio. Curb feeler switch. 2,436,123, Feb. 17.
- Sines, Harold S., Chicago, Ill. Conductor grip for insulators. 2,438,233, Mar. 23.
- Singer, Fred J. : *See*—
Kinkead, Fullerton S., Phelps, Smith, Singer, and Melhuish.
- Singer, Grover C., Brownsville, Tex. Electric lamp. 2,438,684, Mar. 30.
- Singer, Grover C., Brownsville, Tex. Reflecting vapor lamp. 2,457,503, Dec. 28.
- Singer, Harry, Montreal, Quebec, Canada. Clinical thermometer. 2,445,539, July 20.
- Singer Manufacturing Company, The, assignee : *See*—
Ackerman, James E.
Becker, Rudolph.
Clayton, Andrew B.
Fuge, Harry B.
Fuge, Harry B., and Momberg.
Happe, Reynold.
Herr, Park A.
Horwath, Theodore J.
Johnson, Ralph E.
Karle, John D.
Kessler, Charles A.
Knaus, Nicholas.
Knaus, Nicholas, and Anton.
Marsac, Leonard C.
Momberg, James W.
Myers, Walter.
Smith, Floyd T.
Spaine, Edward P.
Parry, Frank.
Perkins, Kenneth.
Sweeny, Charles P.
Turner, Edgar P., and Happe.
Van Ness, William C.
Wood, Alfred R.
Zeier, Frederick F.
- Singer, Otto, London, England. Track wheel for vehicles. 2,437,407, Mar. 9.
- Singer, Otto, London, England. Track wheel for vehicles. 2,440,417, Apr. 27.
- Singleton, Fred G., assignor to H. H. Robertson Company, Pittsburgh, Pa. Production of 4-keto pimelic acid. 2,436,532, Feb. 24.
- Singleton, Gray, Lakeland, Fla. Processing fruit juices. 2,450,097, Sept. 28.
- Singleton, Sidney A., Effingham, assignor to Thermega Limited, London, England. Electric switch. 2,440,025, Apr. 20.
- Singleton, William W., assignor to Bendix Aviation Corporation, Detroit, Mich. Grille. 2,434,232, Jan. 6.
- Singleton, William W., and D. B. Dasher, assignors to Bendix Aviation Corporation, Detroit, Mich. Forming molds. 2,447,620, Aug. 24.
- Sinks, Allen T., Beach Bluff, Mass., assignor to General Electric Company. Remote indicating compass. 2,437,132, Mar. 2.
- Sinopoli, Frank R., San Diego, Calif. Shirt hold-down device. 2,450,568, Oct. 5.
- Siple, Paul A. : *See*—
Bazett, Henry C., and Siple.
- Sippel, Theodore E., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermostat-controlled heater circuit. 2,455,387, Dec. 7.
- Sipsma, Stewart and B. Askeris, Kenosha, Wis. Single wheel ratchet pipe cutter. 2,447,371, Aug. 17.
- Siptrott, Paul, New York, N. Y. Nail holding tool. 2,452,332, Oct. 26.
- Sirks, Walter M., Columbus, Ohio. Baby feeder. 2,437,133, Mar. 2.
- Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for cutting wires and forming and attaching a sleeve thereto. 2,438,023, Mar. 16.
- Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming and sizing ring shaped articles from metal blanks. 2,442,908, June 8.
- Sirp, Emil, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machining article blanks. 2,446,672, Aug. 10.
- Sisk, Thomas M., Clovis, Calif. Stapling kit. 2,447,915, Aug. 24.
- Siska, John G. : *See*—
Kreislner, Leslie, and Siska.
- Siska, John G., North Cresskill, assignor to Jacques Kreislner Manufacturing Corporation, North Bergen, N. J. Flexible mesh bracelet and manufacture. 2,451,780, Oct. 19.
- Sisson, Thomas U., assignor to Training Devices, Inc., Detroit, Mich. Picture film strip projection apparatus. 2,451,306, Oct. 12.
- Sisson, Wayne A. : *See*—
Kulp, Maurice P., and Sisson.
- Sisson, Wayne A., Silverside, assignor to American Viscose Corporation, Wilmington, Del. Artificial filament. 2,439,814, Apr. 20.
- Sisson, Wayne A., Silverside, assignor to American Viscose Corporation, Wilmington, Del. Composite thermoplastic fibers. 2,439,815, Apr. 20.
- Sisson, Wayne A., Silverside Heights, Del., and W. L. Webb, Glen Moore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for producing artificial filaments. 2,440,761, May 4.
- Sisson, Wayne A., Silverside Heights, Wilmington, assignor to American Viscose Corporation, Wilmington, Del. Manufacturing artificial filaments. 2,443,711, June 22.
- Siteman, Lee, Los Angeles, Calif. Drying rack or hanger. 2,443,696, June 22.
- Sitney, Massey, Berkeley, Calif. Double seal valve. 2,446,196, Aug. 3.
- Sittler, Carl C., assignee : *See*—
Marler, Albert R.
- Sitton, Philip N., Dayton, Ohio. Concrete septic tank. 2,440,762, May 4.
- Sitzer, Philip : *See*—
Schmidinger, Joseph, and Sitzer.
- Sitzer, Philip, Irvington, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Signal system. 2,447,037, Aug. 17.
- Sivian, Leon J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for receiving sounds in the presence of disturbing noises. 2,444,069, June 29.
- Siwek, Stanley Z. : *See*—
Goldberg, Harry, Siwek, and Carter.
Goldberg, Harry, Siwek, Long, and Carter.
- Siwiec, Eugene S., Chicago, Ill. Toy. 2,437,442, Mar. 9.
- Sizer, Elmer M. A. : *See*—
Grosjean, Harry W., and Sixer, and Zinda.
- Sjoberg, John G., Oakland, assignor to Pacific Coast Engineering Company, Alameda, Calif. Universal pipe coupling. 2,456,744, Dec. 21.
- Sjöström, Loren B., Wakefield, assignor to Arthur D. Little, Inc., Cambridge, Mass. Canned fish of improved palatability and preparing same. 2,446,889, Aug. 10.
- Skareen, Willard C. : *See*—
Earley, Samuel C. and N. B., and Sanders, Skareen, Davies, and Hughes.
- Skarin, Carl E. : *See*—
Mueller, William L., and Skarin.
- Skeats, Wilfred F., Lansdowne, Pa., assignor to General Electric Company. Electric fuse and indicator. 2,442,216, May 25.
- Skeats, Wilfred F., Lansdowne, Pa., assignor to General Electric Company. Electrical switchgear. 2,445,588, July 20.

- Skehan, Joseph W., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Making grids. 2,451,360, Oct. 12.
- Skell, Philip S.: *See—*
Cowan, John C., Falkenburg, Teeter, and Skell.
- Skellert, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,437,274, Mar. 9.
- Skelly, James J., Cleveland Heights, and E. K. Ralston, University Heights, assignors to Circo Products Company, Cleveland, Ohio. Degreasing. 2,456,335, Dec. 14.
- Skelly, Lawrence E., New Haven, Conn., and H. F. Brinen, assignors to Young Radiator Company, Racine, Wis. Fluid temperature controlling device. 2,439,871, Apr. 20.
- Skelly Oil Company, assignee: *See—*
Edson, Kenneth C., and Fisher, Wong, Soon Y.
- Skenandon Rayon Corporation, assignee: *See—*
Mulligan, Wayne A., and Kernan.
- Skene, Matthew, Hempstead, and C. H. Guiles, Garden City, N. Y., assignors to The Sperry Corporation. Scanning reference generator. 2,437,275, Mar. 9.
- Skibsted, Ole M., Wolford, N. Dak. Self-releasing rope hitch. 2,452,796, Nov. 2.
- Skillsaw, Inc., assignee: *See—*
Koenig, Frank J.
- Skinker, Murray F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Enclosed rectifier. 2,445,805, July 27.
- Skinker, Murray F., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack. 2,454,846, Nov. 30.
- Skinker, Murray F., Montclair, N. J., I. P. Denyssen, Lansdowne, Pa., and M. G. Kolmes, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier and making the same. 2,434,967, Jan. 27.
- Skinker, Murray F., Montclair, L. B. Haigh, West Orange, and R. O. Hall, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Making rectifiers. 2,444,473, July 6.
- Skinner, Asa W., Riverdale Village, assignor to Whiting Corporation, Harvey, Ill. Apparatus for supporting bodies of railway vehicles in connection with removal and replacement of the trucks thereof. 2,454,225, Nov. 16.
- Skinner, Asa W., Riverdale Village, assignor to Whiting Corporation, Harvey, Ill. Drop table apparatus for use in servicing trucks and wheels of railway vehicles. 2,454,226, Nov. 16.
- Skinner, Bradley: *See—*
Vinyard, Roy E., Roach, and Skinner.
- Skinner, Davis A.: *See—*
Douman, Thomas F., and Skinner.
- Skinner, Emory M., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkylation. 2,448,400, Aug. 31.
- Skinner, Emory M., Augusta, Kans., R. E. Redfield, Merion Station, Pa., and J. C. Bolinger, San Marino, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Regenerating HF catalyst in an alkylation process. 2,442,666, June 1.
- Skinner, Hazel B., assignee, et al.: *See—*
Bucknell, Ernest H., and Bletcher.
- Skinner, James E.: *See—*
Sawhill, James M., and Skinner.
- Skinner & Kennedy Stationery Company, assignee: *See—*
Imperial, Michael.
- Skinner, Leslie A.: *See—*
Uhl, Edward G., and Skinner.
- Skinner, Leslie A., Berkeley, Calif., assignor to United States of America as represented by the Secretary of War. Flash reducer. 2,444,957, July 13.
- Skinner, Leslie A., U. S. Army, Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Rocket projectile. 2,440,305, Apr. 27.
- Skinner, Leslie A., United States Army, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Rocket charge suspension arrangement. 2,446,560, Aug. 10.
- Sklenar, Wenzeslaw F., assignor to one-fourth to J. H. Ehardt, Chicago, Ill. Reverberatory furnace. 2,436,124, Feb. 17.
- Skobel, Max: *See—*
Lanzalotti, Samuel J., and Skobel.
- Skobel, Max, Eatontown, N. J., assignor to the United States of America, as represented by the Secretary of War. Seal terminal. 2,451,516, Oct. 19.
- Skoglund, Bertil J.: *See—*
Doering, Charles and H. H., Anderson, and Skoglund.
- Skolnik, Max, assignor to Fibro-Mold Specialties, Inc., Chicago, Ill. Plastic composition and wallboard made therefrom. 2,450,258, Sept. 28.
- Skolnik, Max, assignor to L. A. Fish, Chicago, Ill. Wheeled carriage. 2,438,829, Mar. 30.
- Skolnik, Max, Chicago, Ill. Casket and making the same. 2,448,923, Sept. 7.
- Skoog, Arvid W.: *See—*
La Breque, Theodore A., and Skoog.
- Skoog, Per F., Olympia, Wash. Inlaying sheet material. 2,454,016, Nov. 16.
- Skooglund, Arthur C., Clark Township, Union County, and C. C. Swoope, Union, N. J., assignors to Standard Oil Development Company. Polymer recovery from low-temperature polymerization of olefinic material. 2,451,047, Oct. 12.
- Skow, Norman A., Strafford, Pa., C. J. Seiler, Bloomfield, R. A. Oriani, Montclair, and J. S. Whitaker, East Orange, N. J., assignors to the United States of America as represented by the Secretary of War. Adhesive compositions. 2,454,676, Nov. 23.
- Skowron, Edmund A.: *See—*
Woodings, Wilbert H., Skowron, and McComb.
- Skrlow, Irving, assignee: *See—*
Gilowitz, Benjamin.
- Skriver, George J.: *See—*
Allen, Harry L., and Skriver.
- Slack, Charles M.: *See—*
Arnott, Edward G. F., Slack, and Dawley.
- Slack, Charles M., Glen Ridge, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-pressure modulator tube. 2,438,191, Mar. 23.
- Slack, Charles M., Glen Ridge, I. E. Mourontseff, Montclair, and G. M. Dinick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency device. 2,456,896, Dec. 21.
- Slack, Francis M., Pecos, Tex. Lawn mower sharpener. 2,443,152, June 8.
- Slack, Fred A., Jr., Penn Valley, assignor to H. D. Justi & Son, Inc., Philadelphia, Pa. Mold, mold charging, and molding process. 2,454,847, Nov. 30.
- Slack, Frederic W., Detroit, and C. C. Utz, Magnolia, assignors to Chrysler Corporation, Highland Park, Mich. Joint. 2,455,343, Nov. 30.
- Slack, John W., assignee: *See—*
Ielfield, August.
- Slack, William H., Houghton, Mich. Modeling tool. 2,454,576, Nov. 23.
- Slade, Roland E.: *See—*
Sexton, Wilfred A., Slade, and Templeman.
- Slamka, Joseph S., Milwaukee, Wis. License plate holder. 2,454,722, Nov. 23.
- Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Ammunition booster for automatic guns. 2,436,404, Feb. 24.
- Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Means for engaging and hoisting bombs and other objects. 2,436,405, Feb. 24.
- Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Bomb-carrying apparatus for aircraft. 2,453,869, Nov. 16.
- Slate, Claude C., Burbank, Calif., assignor to Hughes Tool Company, Houston, Tex. Bombing armament for aircraft. 2,453,870, Nov. 16.
- Slater, Frank P., Kansas City, Mo. Tungsten carbide tool grinder. 2,457,283, Dec. 28.
- Slater, Frazeur S., Chicago, Ill. Form for molding concrete walls. 2,449,725, Sept. 21.
- Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Mounting for rock drills. 2,456,745, Dec. 21.
- Slater, Ira M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit. 2,439,107, Apr. 6.
- Slater, John C., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning arrangement for cavity resonators. 2,445,282, July 13.
- Slater, John M.: *See—*
Frische, Carl A., Ferrill, and Slater.
- Slater, N., Company, assignee: *See—*
Ridgers, George F., and Cassels.
- Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Conical die for metal drawing. 2,433,929, Jan. 6.
- Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Tool. 2,436,336, Feb. 17.
- Slater, Thomas H., Fairview, Ill. Filter. 2,450,208, Sept. 28.
- Slater, Vernon E.: *See—*
Whitehurst, Graham, Slater, Bruno, Hubbard, and Krawitz.
- Slater, Victor W., Luton, and W. S. Wood, Harpenden, assignors to B. La Porte Limited, Luton, Bedfordshire, England. Manufacturing of sodium percarbonate. 2,448,058, Aug. 31.
- Slatin, Joseph L., Berwyn, Ill. Phonograph-radio switch. 2,451,248, Oct. 12.
- Slatkin, Alfred D., Toronto, Ontario, Canada, assignor to A. F. Cutten. Direct coating of silver on iron or steel. 2,449,726, Sept. 21.
- Slaton, Stewart E., Roscoe, assignor to Loc-Bloc Corporation, Glendale, Calif. Building block molding press. 2,442,517, June 1.
- Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Thermoplastic extrusion method. 2,451,986, Oct. 19.
- Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Methods of packaging. 2,452,607, Nov. 2.
- Slaughter, Philip H., Fayetteville, N. C. Apparatus and method for making artificial yarn and silver. 2,443,200, June 15.

- Slauter, C. Henry: *See*—
Love, Lee C., Slauter, and Orthoefer.
- Slavsky, John R.: *See*—
Slavsky, Robert J. and J. R.
- Slavsky, Robert J. and J. R., assignors to Shaw and Slavsky, Inc., Detroit, Mich.: Price tag molding having a slide held tag and a transparent cover strip. 2,451,581, Oct. 19.
- Slaymaker, Frank H., assignor to Stromberg-Carlson Company, Rochester, N. Y.: Modulation booster. 2,437,839, Mar. 16.
- Slyater, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation: Battery plate separator. 2,454,100, Nov. 16.
- Slyater, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation: Apparatus for melting glass. 2,455,907, Dec. 7.
- Slyater, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation: Method of making glass fibers. 2,455,908, Dec. 7.
- Slyater, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation: Apparatus for felting fibrous glass. 2,457,784, Dec. 28.
- Slyater, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation: Apparatus for winding strands. 2,457,786, Dec. 28.
- Slyater, Games, and E. Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio: Method and apparatus for making fine glass fibers. 2,450,363, Sept. 28.
- Slyater, Games, and H. Snow, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio: Apparatus for making glass film. 2,457,785, Dec. 28.
- Sledge, Eula F., Dallas, Tex.: Musical educational appliance. 2,447,213, Aug. 17.
- Slegers, Paulus A. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee: Electrode system. 2,449,420, Sept. 14.
- Sleep, Herbert A., Yreka, Calif.: Duck strap. 2,452,692, Nov. 2.
- Sleeper, Paul H., Albion, Mich., assignor to Domestic Credit Corporation, Chicago, Ill.: Caster wheel rock. 2,445,865, July 27.
- Slemmons, Charles O., Akron, and R. W. Smith, Copley, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y.: Track for vehicles. 2,449,421, Sept. 14.
- Slepoff, Mack: *See*—
Abend, Irving J., and Slepoff.
- Slick, Edwin E., Pittsburgh, Pa.: Bottom structure for bessemer converters. 2,456,798, Dec. 21.
- Slifka, M., & Sons, Inc., assignee: *See*—
Silverstein, Ralph.
- Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y.: Acid stabilized light-sensitive diazotype coating. 2,442,061, May 25.
- Slindee, Richard O., Indianapolis, Ind., assignor to L. Duebener, St. Paul, Minn.: Cord handled bag. 2,447,964, Aug. 24.
- Slingerland, Charles L., Niagara-on-the-Lake, Ontario, Canada: Slicing device with a vertically reciprocating cutter. 2,438,304, Mar. 23.
- Sloan, David H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa.: Electronic tube for ultra high frequencies. 2,451,987, Oct. 19.
- Sloan, Francis P., Wilton, Conn.: Gun-sling. 2,446,197, Aug. 3.
- Sloan, Harry G., Buffalo, Mo.: Stringed musical instrument. 2,442,181, May 25.
- Sloan, John I., assignor of one-fifth to J. H. Poe, Tulsa, Okla.: Apparatus for mixing drilling mud. 2,453,465, Nov. 9.
- Sloan, Philip W., Grosse Pointe, Mich.: Oil seal. 2,444,901, July 6.
- Sloan, Theodore H.: *See*—
Morton, William A., and Sloan.
- Sloane, Doris K., New Bedford, Mass.: Casing for removably enclosing identifying tags. 2,449,727, Sept. 21.
- Sloane, Max: *See*—
Sloane, Nathan and M.
- Sloane, Nathan and M., Brooklyn, N. Y.: Reel and cutter device. 2,444,117, June 29.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill.: Shaker conveyor. 2,433,961, Jan. 6.
- Sloane, William W., Chicago, assignor to Goodman Manufacturing Company, Chicago, Ill.: Shaker conveyor. 2,434,127, Jan. 6.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill.: Feeding device for shaker conveyers. 2,449,623, Sept. 21.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill.: Shaker conveyor. 2,454,484, Nov. 23.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill.: Trolley glider. 2,457,326, Dec. 28.
- Slobodzian, Joseph, Phoenixville, Pa.: Building construction. 2,453,466, Nov. 9.
- Slobotkin, Nathan, Brooklyn, N. Y.: Flexible container with side opening. 2,453,940, Nov. 16.
- Slocombe, Robert J., and E. E. Hardy, Anniston, Ala.: Carbamyl chloride and producing same. 2,447,372, Aug. 17.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill.: Trolley pole positioning means. 2,437,213, Mar. 2.
- Slosberg, Harry M.: *See*—
Neuman, Wilbur K., and Slosberg.
- Slotterbeck, Ober C.: *See*—
Morrell, Charles E., and Slotterbeck.
- Slovak, Alvin J., Houston, Tex.: Tire deflation indicator. 2,447,777, Aug. 24.
- Slovin, David G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y.: Coagulation of neoprene latex. 2,456,539, Dec. 14.
- Sluder, Eugene, assignee: *See*—
Clay, Paul H.
- Slyter, Nicolaas, Haarlem, Netherlands; vested in the Attorney General of the United States: Rubber cushioning device. 2,443,201, June 15.
- Sly, Le Roy W., Kyburz, Calif.: Mounting and control means for adjustable saws. 2,440,158, Apr. 20.
- Sly, Le Roy W., Kyburz, Calif.: Tricycle. 2,449,254, Sept. 14.
- Slye, Norman J.: *See*—
Broeren, Frank L., Slye, and Krueger.
- Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass.: Apparatus for attaching heels to shoes. 2,449,333, Sept. 14.
- Small, Giltner S., Sacramento, Calif.: Spectacles with readily removable lenses. 2,452,159, Oct. 26.
- Small, James K.: *See*—
Morrell, Charles E., Small, and Yowell.
- Smalley, Burt M., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill.: Secondary rack. 2,454,677, Nov. 23.
- Smalley, Oliver, Larchmont, N. Y., assignor to Meehanite Metal Corporation: Producing white cast iron castings. 2,455,954, Dec. 14.
- Smalley, William, assignor to The Paterson Engineering Company Limited, London, England: Apparatus for adding one liquid to another. 2,438,327, Mar. 23.
- Smart, David Lorimer, Stafford, assignor to The English Electric Company Limited, London, England: Electric discharge device. 2,451,988, Oct. 19.
- Smart, James C.: *See*—
Cooke, William H., and Smart.
- Smedberg, Sam, assignee, et al.: *See*—
Nelson, Noble A.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio: Suction cleaner with pneumatic filter cleaner. 2,442,667, June 1.
- Smellie, Robert H.: *See*—
Kriebble, Vernon K., and Smellie.
- Smicker, Emma A., assignor to Blossom Products Corporation, Allentown, Pa.: Slipover garment. 2,439,149, Apr. 6.
- Smidt, Arnold, Elmhurst, N. Y.: Calculator. 2,445,008, July 13.
- Smith, F. L., & Co., assignee: *See*—
Petersen, Louis S.
- Treshow, Michael.
- Smith, Leonard, New York, N. Y.: Urea-formaldehyde molding composition. 2,447,621, Aug. 24.
- Smies, Malvin J., Sheboygan, Wis.: Magneto cutout mercury switch for tractors. 2,456,799, Dec. 21.
- Smigleski, Matt J., Minneapolis, Minn.: Fish stringer. 2,441,450, May 11.
- Smiler, Jacob M., Philadelphia, Pa.: Hassock. 2,449,017, Sept. 7.
- Smiley, Gerald T., San Fernando, Calif.: Primer pocket reaming apparatus and the like. 2,443,807, June 22.
- Smiley, Hugh, Jr., Henniker, N. H.: Cutter bit grinding jig. 2,449,957, Sept. 21.
- Smiley, John R., Kansas City, Mo.: Nonremovable transparent identification band with a tag therein. 2,449,181, Sept. 14.
- Smiley, Lloyd D., Jackson Heights, and E. S. Lansing, New York, N. Y., assignors of one-half to said Lansing and one-half to H. B. Bishop, Summit, N. J.: Electrolytic clarification apparatus. 2,456,897, Dec. 21.
- Smiley, Raymond E.: *See*—
Piskac, Yaro, and Smiley.
- Smillie, George, London, England: Apparatus for injecting liquid chemicals into a flowing stream. 2,445,540, July 20.
- Smirl, Richard L.: *See*—
Nutt, Harold, and Smirl.
- Smit, Andrew, Oak Lawn, Ill.: Trailer hitch. 2,453,941, Nov. 16.
- Smit, Anton, & Co. Inc., assignee: *See*—
Bakker, Jan.
- Smit, George R.: *See*—
Palmer, Robert A., J. R., and G. R. Smit.
- Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.
- Smith, A. O., Corporation, assignee: *See*—
Bostwick, Fred D.
- Gruetjen, Frederick A.
- Harlamoff, Anatol J.
- Hart, Edward.
- Koppel, Ernst R.
- Uhri, William C.
- Smith, Adolph, New Orleans, La.: Grinding wheel dresser. 2,452,398, Oct. 26.

- Smith, Adrian C., Philadelphia, and J. L. Stanbly, Drexel Hill, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparation of 2,2-bis(p-chlorophenyl) 1,1,1-trichloroethane. 2,455,388, Dec. 7.
- Smith, Albert A., Jr., Metuchen, and R. A. Quadt, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Apparatus for chlorodizing aluminum-base alloys. 2,447,672, Aug. 24.
- Smith, Albert E., and O. A. Beeck, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Beta-alumina catalysts. 2,454,227, Nov. 16.
- Smith, Albert F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous composition of urea-aldehyde and hydrolyzed interpolymers of a vinyl ester. 2,436,080, Feb. 17.
- Smith, Alexander N., Spring Valley, N. Y. Cooking utensil. 2,444,753, July 6.
- Smith, Allan K.: *See*—
Beckel, Arthur C., De Voss, Belter, and Smith.
- Smith, Allen S., Ann Arbor, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Selective solvent treatment of liquid hydrocarbon mixtures for segregation of contained aromatics. 2,444,582, July 6.
- Smith, Allan K.: *See*—
Beckel, Arthur C., Belter, and Smith.
- Smith, Alva, administratrix: *See*—
Smith, Leathem D.
- Smith, Alvin J.: *See*—
Wallace, John H., and Smith.
- Smith, Andrew I., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Motor fuel. 2,456,569, Dec. 14.
- Smith, Archibald D., Jr., Amityville, and H. E. Guthman, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Oscillograph trace control system. 2,448,059, Aug. 31.
- Smith, Arnold A., Three Rivers, Quebec, Canada, assignor to International Paper Company, New York, N. Y. Electric boiler. 2,450,061, Sept. 28.
- Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Process and apparatus for adsorptively and catalytically treating hydrocarbon oil. 2,436,495, Feb. 24.
- Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Catalytic treatment of hydrocarbon oil. 2,436,496, Feb. 24.
- Smith, Arthur E., Darling Point, Sidney, New South Wales, Australia. Suction mold. 2,448,632, Sept. 7.
- Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,449,968, Sept. 21.
- Smith, Arthur H., Grandview, Wash. Fish lure. 2,435,932, Feb. 10.
- Smith, Arthur L.: *See*—
Clapham, Harry F., Harris, and Smith.
- Smith, Arthur R.: *See*—
Warren, Glenn B., and Smith.
- Smith, Arthur E. W., Wallingford, C. W. Scaife, Norton-on-Tees, and H. Baldock, deceased, Norton-on-Tees; by H. Baldock, Hoylake, England, legal representative, assignors to Imperial Chemical Industries Limited. Nitration of alcohols. 2,453,942, Nov. 16.
- Smith, August L., Harrison, N. Y. Electrode assembly for moisture meters. 2,437,134, Mar. 2.
- Smith, Austin: *See*—
Silvia, Cyril L., and Smith.
- Smith, Beatrice I., Olmstead Falls, Ohio. Baby harness. 2,434,968, Jan. 27.
- Smith, Bernard W., Hartford, Conn. Burglar alarm. 2,457,072, Dec. 21.
- Smith, Carl F., assignor to The Sight Feed Generator Company, West Alexandria, Ohio. Acetylene generator. 2,436,674, Feb. 24.
- Smith, Carl H., Jr., Washington, D. C. Pulse frequency modulation. 2,438,950, Apr. 6.
- Smith, Carleton H., Montreal, Quebec, Canada, assignor to National Lead Company, New York, N. Y. Soft metal casting. 2,447,437, Aug. 17.
- Smith, Carlos B., and H. L. Bullock, New York, N. Y. Sludge settling and dewatering tank. 2,447,286, Aug. 17.
- Smith, Cecil H., London, and H. Lindars, Sheffield, England, said Smith assignor to said Lindars. Electrical timing device. 2,444,619, July 6.
- Smith, Chadwick P., and J. R. Pangle, Charlotte, N. C. Waste machine. 2,436,338, Feb. 17.
- Smith, Charles C., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated electrical conductor. 2,448,633, Sept. 7.
- Smith, Charles F., assignee, et al.: *See*—
Dysart, Norman A.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron oscillator of the resonant cavity type. 2,439,401, Apr. 13.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency electron discharge device of the triode type. 2,451,517, Oct. 19.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Velocity modulation electron discharge tube. 2,452,075, Oct. 26.
- Smith, Charles P., Lancaster, Pa., assignor to Radio Corporation of America. Grid controlled rectifier tube. 2,443,121, June 8.
- Smith, Chester H., Pittsburg, Kans. Removable bone plate. 2,440,123, Apr. 20.
- Smith, Clarence C.: *See*—
Christensen, Norman V., Sauer, and Smith.
- Smith, Clarence C., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,449,018, Sept. 7.
- Smith-Clarke, George T., and A. F. Varney, assignors to Alvis Limited, Coventry, England. Built-up crankshaft. 2,448,742, Sept. 7.
- Smith, Cleveland S., Jr., West Orange, N. J., assignor to S. Ruben, New Rochelle, N. Y. Selenium rectifier and making same. 2,453,763, Nov. 16.
- Smith, Cleveland S., Jr., West Orange, N. J., and S. Blumenthal, Indianapolis, Ind.; said Smith assignor to S. Ruben, New Rochelle, N. Y., and said Blumenthal assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Selenium boiler. 2,455,277, Nov. 30.
- Smith, Clyde E.: *See*—
Ringer, Robert L., Jr., and Smith.
- Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Timing circuits. 2,436,872, Mar. 2.
- Smith, Clyde J., assignee, et al.: *See*—
Wemp, Ernest E.
- Smith Control and Instrument Corporation, assignee: *See*—
Smith, Norman J.
- Smith, Curtis W.: *See*—
Snyder, Harold R., and Smith.
- Smith, David B., Flourtown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Method and apparatus for indicating frequency coincidence between alternating currents or voltages. 2,452,960, Nov. 2.
- Smith, David D., Los Angeles, Calif. Flashing. 2,441,676, May 18.
- Smith, Delmas A.: *See*—
Fisher, Edward J., Franklin, and Smith.
- Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Pie crimping device. 2,444,857, July 6.
- Smith, Desmond E., Toronto, Ontario, Canada. Kaleidoscope. 2,454,577, Nov. 23.
- Smith, Donald I.: *See*—
Cole, Robert A., and Smith.
- Smith, Douglas M.: *See*—
Ferris, Seymour W., Lamson, and Smith.
- Smith, Drum & Company, assignee: *See*—
Drum, Harry S., Dodson, and Jaxheimer.
- Smith, Earl K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Electrode structure for electron discharge tubes. 2,456,540, Dec. 14.
- Smith, Edgar M., Trenton, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Temperature measuring instrument. 2,445,156, July 13.
- Smith, Edward M.: *See*—
Kinkhead, Fullerton S., Phelps, Smith, Slinger, and Melhuish.
- Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Motor reversing control system for valves. 2,451,989, Oct. 19.
- Smith, Edward W., Melrose, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Geometrical computing device. 2,438,522, Mar. 30.
- Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Packaging. 2,449,334, Sept. 14.
- Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Electric heating apparatus. 2,448,634, Sept. 7.
- Smith Engineering Works, assignee: *See*—
Rumpel, Harvey H.
- Smith, Ernest A.: *See*—
Brett, George N., and Smith.
- Prosser, Alfred J., and Smith.
- Smith, Ernest C., Pawpaw, Mich. Sight for firearms. 2,437,363, Mar. 9.
- Smith, Ernest L.: *See*—
Mead, Thomas H., Stack, and Smith.
- Smith, Esmond W.: *See*—
Dean, John N., Smith, and Sear.
- Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of N-substituted furfurylamines. 2,447,823, Aug. 24.
- Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing methylamines. 2,456,599, Dec. 14.
- Smith, Ezra S., assignor to Metals & Controls Corporation, Attleboro, Mass. Circuit breaker. 2,453,546, Nov. 9.
- Smith, F. A., Manufacturing Company, assignee: *See*—
Bean, Frank R.
- Smith, Fay E., Cleveland, D. Lacer, Lakewood, and C. B. McLeod, assignors to F. E. Smith, D. Lacer and C. B. McLeod, doing business as Smith, Lacer, McLeod Dental Laboratories, Cleveland, Ohio. Adjustable intraoral tracer. 2,447,287, Aug. 17.
- Smith, Floyd T., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bearing for electric motors. 2,451,124, Oct. 12.
- Smith, Frances M., assignor to The La Resista Corset Company, Bridgeport, Conn. Undergarment. 2,441,451, May 11.

- Smith, Frank W., Wellesley, Mass., assignor to The Super-heater Company, New York, N. Y. Flue washing nozzle having fluid valve operated simultaneously with seal in flue. 2,450,308, Sept. 28.
- Smith, Franklin D., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Octa-chloro-biphenyl quinone. 2,449,088, Sept. 14.
- Smith, Franklin N., Cedar Rapids, Iowa. Bearing structure for conveyor rollers and the like. 2,446,616, Aug. 10.
- Smith, Franklin N., Cedar Rapids, Iowa. Support means for idler rollers. 2,455,100, Nov. 30.
- Smith, Franklin S., North Haven, Conn. Method and apparatus for destroying insect life. 2,453,818, Nov. 16.
- Smith, Fred D., assignor to Oilfields Service Co., Long Beach, Calif. Quick action coupling. 2,440,452, Apr. 27.
- Smith, Fred S., Blackwell, Darlington, England. Fasteners for bags, cases, and other containers. 2,440,595, Apr. 27.
- Smith, Frederick H., Buffalo, N. Y. Internal-combustion engine. 2,439,150, Apr. 6.
- Smith, G. W., & Sons, Inc., assignee: *See*—
Smith, George W.
- Smith, George B., Evanston, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Iron oxide pigments and producing the same. 2,452,608, Nov. 2.
- Smith, George B., Maple Park, assignor to R. J. Baxter, Crystal Lake, and M. L. Smith, Evanston, Ill. Mineral feed for animals and producing same. 2,437,666, Mar. 9.
- Smith, George E. P., Jr.: *See*—
Carr, Edward L., and Smith.
- Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization accelerator. 2,445,724, July 20.
- Smith, George G., assignor to R. L. Kahn, Chicago, Ill., as trustee. Fitting. 2,450,170, Sept. 28.
- Smith, George H.: *See*—
Mobbs, Herbert, and Smith.
- Smith, George N., near Nutwood, assignor of one-half to H. S. Robins, Warren, Ohio. Spur. 2,454,228, Nov. 16.
- Smith, George W., assignor to G. W. Smith & Sons, Inc., Dayton, Ohio. Composition for use in casting. 2,444,271, June 29.
- Smith, Glen A.: *See*—
Coppock, Kenneth E., and Smith.
- Smith, Glenn A., United States Navy. Wing-tip float structure for aircraft. 2,455,955, Dec. 14.
- Smith, Grafton A., Tulsa, Okla., assignor to Shell Development Company, San Francisco, Calif. Oil well pump control system. 2,456,456, Dec. 14.
- Smith, Graydon G., Lebanon, Pa. Tool. 2,446,143, July 27.
- Smith, Harold J.: *See*—
Golden, John F., and Smith.
- Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush tank valve. 2,444,958, July 13.
- Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Flush valve mechanism for tanks. 2,444,959, July 13.
- Smith, Harvey J., Danville, Va., assignor to W. Ira Barker, Greensboro, N. C. Article dispensing chute. 2,442,025, May 25.
- Smith, Harvey J., Danville, Va., assignor to Modern Metal Products Company, Greensboro, N. C. Combined cabinet, rack, closures and latching device. 2,443,837, June 22.
- Smith, Helen E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Liquid freezing device. 2,435,802, Feb. 10.
- Smith, Henry B., Baltimore, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Stripping of acetaldehyde from aldol by hydrocarbon vapors. 2,452,797, Nov. 2.
- Smith, Henry R.: *See*—
Kester, Robert E., and Smith.
- Smith, Herbert C., Los Angeles, Calif., assignor to American Rock Wool Corp., Wabash, Ind. Apparatus for producing mineral wool. 2,451,582, Oct. 19.
- Smith, Herbert H., Bay Shore, N. Y. Spring heel for footwear. 2,454,951, Nov. 30.
- Smith, Herbert H., and W. Milk, Bay Shore, N. Y. Spring heel for footwear. 2,441,039, May 4.
- Smith, Herbert O.: *See*—
Goldthwait, Charles F., and Smith.
- Smith, Herschel G.: *See*—
Hill, Mark L., and Smith.
- Smith, Herschel, and J. V. Dunham, Southampton, Pa., and N. K. Turnbull, Pitman, N. J. Hangfire recorder. 2,437,276, Mar. 9.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of oil soluble dialkyl phosphoric acids. 2,441,295, May 11.
- Smith, Herschel G., Wallingford, M. L. Hill, Yeadon, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Cleaning and polishing composition. 2,442,024, May 25.
- Smith, Herschel G., Wallingford, M. L. Hill, Yeadon, and C. M. Peck, Havertown, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating greases. 2,442,828, June 8.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Yeadon, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Primary aliphatic amine salts of di-aliphatic substituted mono-thiophosphoric acids. 2,447,288, Aug. 17.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil compositions resistant to foaming. 2,452,693, Nov. 2.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Antioxidants for mineral oil lubricants and compositions containing the same. 2,454,890, Nov. 30.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Agent and mineral oil lubricant compositions containing the same. 2,456,336, Dec. 14.
- Smith, Howard E., Kew Gardens, Long Island, assignor to Insl-X Corporation, Brooklyn, N. Y. Marine anti-fouling steel base. 2,434,291, Jan. 13.
- Smith, Hubert R., Haverhill, Mass. Shoe platform beveler. 2,442,829, June 8.
- Smith, Hugh D., U. S. Army, Richmond, Va. Apparatus for turning containers. 2,443,202, June 15.
- Smith, Hugh T.: *See*—
Meincke, Edward, and Smith.
- Smith Industries, assignee: *See*—
Orlove, Max.
- Smith, James E., Jackson Heights, N. Y., assignor to Radio Corporation of America. Echo reducing circuit for television receivers. 2,448,635, Sept. 7.
- Smith, James E., Jackson Heights, N. Y., assignor to Radio Corporation of America. Overmodulation alarm. 2,451,361, Oct. 12.
- Smith, James L.: *See*—
Kuther, Max K., and Smith.
- Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Heterocyclic substituted phenacetylpyridines and preparing the same. 2,442,865, June 8.
- Smith, James T.: *See*—
Flukes, Andrew, and Smith.
- Smith, Jay W., assignor to Chris-Craft Corporation, Algonac, Mich. Two-cycle crankcase compression engine, fuse distribution control. 2,442,217, May 25.
- Smith, Jay W., assignor to Chris-Craft Corporation, Algonac, Mich. Two-cycle crankcase compression engine. 2,443,838, June 22.
- Smith, John E., Plainfield, N. J. Electric space heaters and method of making. 2,450,921, Oct. 12.
- Smith, John H., Upper Darby, Pa., assignor to General Cable Corporation, New York, N. Y. Packaging wire. 2,457,094, Dec. 21.
- Smith, John P., Verona, assignor to Daven Company, Newark, N. J. Attenuator. 2,449,019, Sept. 7.
- Smith, Joseph D., Toronto, Ontario, Canada. Snow fence machine. 2,446,494, Aug. 3.
- Smith, Joseph L., Glen Ellyn, Ill. Buffing drum. 2,450,617, Oct. 5.
- Smith-King Company, assignee: *See*—
King, John P.
- Smith, Kline & French Laboratories, assignee: *See*—
Ulliot, Glenn E.
- Smith, Lacer, McLeod Dental Laboratories: *See*—
Smith, Fay E., Lacer, and McLeod.
- Smith, Laurence M.: *See*—
Bremner, John G. M., Jones, Pearce, and Smith.
- Smith, Lawrence H., assignor to V. M. Langsett, Chicago, Ill. Sash latch. 2,440,026, Apr. 20.
- Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Drill and countersink tool. 2,437,364, Mar. 9.
- Smith, Leah K.: *See*—
Wemp, Ernest E.
- Smith, Leah K., assignee, et al.: *See*—
Wemp, Ernest E.
- Smith, Leander E., assignor to Continental Steel Corporation, Kokomo, Ind. Annealing furnace. 2,436,024, Feb. 17.
- Smith, Leathem D., deceased, Sturgeon Bay, Wis.; A. Smith, administratrix. Container ship for handling package freight. 2,440,306, Apr. 27.
- Smith, Leathem D., deceased, Sturgeon Bay, Wis.; A. Smith, administratrix. Ship hold. 2,440,307, Apr. 27.
- Smith, Lee I., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Treating phenols. 2,446,856, Aug. 10.
- Smith, Lee I., and J. A. Sprung, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Preparing carbinols. 2,444,960, July 13.
- Smith, Leicester I., West Hartford, assignor of one-half to M. R. Guthrie, Hartford, Conn. Bottle carrier. 2,437,667, Mar. 9.
- Smith, Leicester I., West Hartford, Conn. Article carrier. 2,443,967, June 22.
- Smith, Leon A., assignor to The Shelby Cycle Company, Shelby, Ohio. Pedestal mounted circumferentially traveling shoe type tire mounting device. 2,439,615, Apr. 13.
- Smith, Leslie N., Cleveland Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition of nickel. 2,449,422, Sept. 14.
- Smith, Lester H., Maplewood, N. J. Electric space charge device. 2,454,757, Nov. 23.

- Smith, Lewis E.: *See*—
Crumb, Charles F., Kaupke, Raney, and Smith.
- Smith, Lewis R., Norwalk, assignor, by mesne assignments, to F. L. Goetz, Darien, Conn. Refrigerating apparatus and method. 2,443,203, June 15.
- Smith, Louis B., Chicago, Ill. Package. 2,446,808, Aug. 3.
- Smith, Louis R., Portland, Oreg. Winding reel for tape measures. 2,455,819, Dec. 7.
- Smith, Luther L., Warner Robins, Ga. Overflow control for filter beds. 2,444,682, July 6.
- Smith, M. Neal, assignee, et al.: *See*—
Lucas, Joseph E.
- Smith, Marjorie L., assignee, et al.: *See*—
Smith, George B.
- Smith, Marsden C., Richmond, Va., assignor to Builders Iron Foundry, Providence, R. I. Pumping system. 2,440,981, May 4.
- Smith, Marvin A.: *See*—
Webb, Glenn M., and Smith.
- Smith, Marvin A., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Mercury vacuum still. 2,450,098, Sept. 28.
- Smith, Marvin M., assignor to Muncie Gear Works, Inc., Muncie, Ind. Deep well circuit for heat pumps. 2,438,720, Mar. 30.
- Smith, Mary G., executrix, et al.: *See*—
Smith, Robert A.
- Smith, Maurice, Co., Inc., assignee: *See*—
Smith, William H.
- Smith, Merton J., Cleveland, Ohio, assignor of twenty-five per cent to P. B. Shannon, Chicago, Ill., twenty-five per cent to J. P. Geiger, Cleveland, and twenty-five per cent to R. W. Wilson, Rocky River, Ohio. Controlling mechanism. 2,454,578, Nov. 23.
- Smith, Newell R., Bridgeport, Conn. Contact pin and method of making the same. 2,438,075, Mar. 16.
- Smith, Norman H.: *See*—
Bradley, John S., and Smith.
- Smith, Norman J., Medfield, Mass. Thermostatic switch. 2,441,725, May 18.
- Smith, Norman J., Medfield, assignor to Fenwal Incorporated, Ashland, Mass. Pressure switch. 2,452,500, Oct. 26.
- Smith, Norman J., Medfield, assignor to Smith Control and Instrument Corporation, Needham, Mass. Pressure switch. 2,456,844, Dec. 21.
- Smith, Paul A.: *See*—
Hobwart, George and E. F., and Smith.
- Smith, Percy C., assignor to The Exhibit Supply Company, Chicago, Ill. Vending machine. 2,439,550, Apr. 13.
- Smith, Perry C., Moorestown, N. J., assignor to Radio Corporation of America. Electrical control circuit. 2,443,122, June 8.
- Smith, Perry C., Moorestown, and F. E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America. Control grid adjusting method and apparatus. 2,436,675, Feb. 24.
- Smith, Perry C., Moorestown, and F. E. Runge, Haddon Heights, N. J., assignors to Radio Corporation of America. Apparatus for stereoscopic work. 2,436,676, Feb. 24.
- Smith, Perry C., Moorestown, N. J., and F. E. Runge, Branford, Conn., assignors to Radio Corporation of America. Apparatus for stereoscopic work. 2,441,850, May 18.
- Smith, Perry R., assignor to Acme Visible Records, Inc., Chicago, Ill. Index card and signal. 2,443,522, June 15.
- Smith-Perf, George J., and A. G. Forsyth, Cheam, assignors to The Fairey Aviation Company Limited, Hayes, England. Pitch changing mechanism. 2,457,609, Dec. 28.
- Smith, Philip T., and H. R. Hegbar, Princeton, N. J., assignors to Radio Corporation of America. Electron discharge device for ultra high frequencies. 2,451,249, Oct. 12.
- Smith, Putnam M., assignor of one-half to A. L. Janes, Jr., Redwood Falls, Minn. Foul detector and indicator for bowling alleys. 2,455,909, Dec. 7.
- Smith, Ralph E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Chain connection. 2,435,328, Feb. 3.
- Smith, Ralph E., and L. H. Workman, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Gantry structure. 2,436,337, Feb. 17.
- Smith, Reading B.: *See*—
Teter, John W., and Smith.
- Smith, Richard G., Amsterdam, N. Y. Toy railroad accessories. 2,444,961, July 13.
- Smith, Richard S., Buffalo, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Reinforced sheet metal. 2,443,170, June 8.
- Smith, Robert, Jr.: *See*—
Gannett, Joseph K., Smith, and Saveland.
- Smith, Robert A., Mahwah, N. J.; M. G. Smith, M. S. Pryde, and M. S. van Brederode, executrices of said R. A. Smith, deceased, assignors to Smith & Serrell, Inc., Newark, N. J. Bearing. 2,438,192, Mar. 23.
- Smith, Robert F., and B. F. Clark, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Master cylinder. 2,447,142, Aug. 17.
- Smith, Robert W.: *See*—
Siemmons, Charles C., and Smith.
- Smith, Robert W., Brunswick, Maine. Lock nut. 2,439,191, Apr. 6.
- Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Repeater indicator for pulse echo distance measuring devices. 2,451,000, Oct. 12.
- Smith, Roland L., Belmont, Mass. Utility device for signalling waiters in hotel dining rooms, etc. 2,438,652, Mar. 30.
- Smith, Roman L., Los Angeles, Calif. Shiftable bed rail table. 2,452,160, Oct. 26.
- Smith, Ronald B., Greensburg, assignor to Elliott Company, Jeannette, Pa. Heated journal bearing. 2,443,403, June 15.
- Smith, Ronald B., East Orange, N. J. Metered spraying device for mixed liquids. 2,438,462, Mar. 23.
- Smith, Roy H.: *See*—
Gerard, Roy H., and Smith.
- Smith, Roy W.: *See*—
Ringle, Charles J., and Smith.
- Smith, Russell W., assignee: *See*—
Caruso, Rocco P.
- Smith, S., & Sons (England), Limited, assignee: *See*—
Davis, Wilfred O.
- Klepp, Edwin C.
- Meredith, Frederick W.
- Meredith, Frederick W., Moss, and Whitley.
- Smith & Serrell, Inc., assignee: *See*—
Smith, Robert A.
- Smith, S. Morgan, Company, assignee: *See*—
Mauch, Theodore C. M.
- Smith, Samuel, Elmdon, England. Rotary swaging machine. 2,443,874, June 22.
- Smith, Samuel B., North Hackensack, N. J. Surgical probing and extracting pliers, electrically controlled. 2,444,207, June 29.
- Smith, Samuel G., Brooklyn, N. Y. Detent. 2,443,697, June 22.
- Smith, Sheldon S., Springfield, Mass. Buffing wheel. 2,450,454, Oct. 5.
- Smith, Sidney B., Hollis, N. Y. Wrapper for frozen confections. 2,450,364, Sept. 28.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Protective switch. 2,452,961, Nov. 2.
- Smith, Stanley, Bend, Oreg. Truck loading means. 2,453,943, Nov. 16.
- Smith, Stanley C.: *See*—
Latimer, Kenneth E., and Smith.
- Smith, T. L., Company, The, assignee: *See*—
Maxon, Glenway, Jr.
- Peters, Harry C.
- Smith, Thomas F., Pasadena, Calif. Picture hanger. 2,453,467, Nov. 9.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Piston and piston rod assembly. Re. 23,041, Sept. 21.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Shaft seal. 2,445,247, July 13.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Shaft sealing means. 2,445,410, July 20.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Spring clutch drive. 2,446,064, July 27.
- Smith, Travis O., Kansas City, Mo., assignor, by mesne assignments, to Arbee Products Company, Kansas City, Kans. Bag holder. 2,437,233, Mar. 2.
- Smith, Ulysses G., Portland, Oreg. Electric air circulating heater. 2,441,726, May 18.
- Smith, Vernon C., Stockton, and P. E. Bohn, Angels Camp, assignors to P. & V. Quicklocking Co., Stockton, Calif. Semiautomatic coupling. 2,450,527, Oct. 5.
- Smith, Waldo G.: *See*—
Miller, John W., and Smith.
- Smith, Wallace A., Speed, Ind. Bender. 2,457,410, Dec. 28.
- Smith, Walter C. J., Regina, Saskatchewan, Canada. Liquid proportioning gauge or indicator. 2,451,882, Oct. 19.
- Smith, Walter F., and H. G. White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Mixture of a polyvinyl acetal with a diisocyanate-modified polyester or polyester-amide. 2,454,678, Nov. 23.
- Smith, Warren M.: *See*—
Mikeska, Louis A., Kittleson, and Smith.
- Smith, Warren R., Crown Point, N. Y. Bed rest. 2,448,924, Sept. 7.
- Smith, Wayne, Decatur, Ga. Shoe anti-skid device. 2,438,193, Mar. 23.
- Smith, Wilbert B., Ottawa, Ontario, Canada. Interference reduction for radio signal receivers. 2,445,157, July 13.
- Smith, Wilfred L., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Power lawn mower and control mechanism therefor. 2,453,819, Nov. 16.
- Smith, Wilfred L., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Trigger action for automatic firearms. 2,457,001, Dec. 21.
- Smith, William A.: *See*—
Barr, James A., and Smith.
- Smith, William F., and A. P. H. Trivelli, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions sensitized with salts of metals of group VIII of the periodic arrangement of the elements. 2,448,060, Aug. 31.
- Smith, William G., Portland, Oreg. Storage elevator system for automobiles. 2,446,344, Aug. 3.

- Smith, William H., Warwick, assignor to Maurice C. Smith Co., Inc., Providence, R. I. Double boot. 2,439,493, Apr. 13.
- Smith, William R.: *See*—
Sensel, Eugene E., Smith, and Goldsby.
- Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy car unloader. 2,450,867, Oct. 5.
- Smithells, Colin J.: *See*—
Hopps, Bernard, and Smithells.
- Smithers, Clifford B., Chillicothe, assignor of twenty-five per cent to E. Staub, Peoria, Ill. Rail anchoring means. 2,446,495, Aug. 3.
- Smithson, James S., Beverly Hills, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gun and gunner's chair mounting. 2,434,724, Jan. 20.
- Smoot, John H., Darien, Conn., assignor to Trans-Lux Corporation, New York, N. Y. Controller. 2,439,699, Apr. 13.
- Smoot, Theophilus H., Baltimore, Md., assignor to Anchor Post Products, Inc. Oil burner system comprising a vaporizing block. 2,447,373, Aug. 17.
- Smotzer, Edward J.: *See*—
Forsythe, John W.
- Smullin, Louis D., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Ultra high frequency modulator. 2,447,543, Aug. 24.
- Smullin, Louis D., Arlington, and J. B. Wiesner, Boston, Mass., assignors, by mesne assignments, to United States of America. Indicating device. 2,450,618, Oct. 5.
- Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 2,438,305, Mar. 23.
- Smyser, James S., deceased, late of Quincy, Mass., by Granite Trust Company, Quincy, Mass., executor, assignor, by mesne assignments, to Behr-Manning Corporation, Troy, N. Y. Applying coating materials. 2,447,374, Aug. 17.
- Smyth, Glen M., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Gray acid anthraquinone dyestuffs. 2,454,679, Nov. 23.
- Smyth, Glen M., and J. F. Cullinan, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of anthrimide-carbazole dyestuffs. 2,434,056, Jan. 6.
- Snadecki, Clarence W., and W. F. Richards, Bethlehem, Pa., assignors to Bethlehem Steel Company. Radiation pyrometer housing for furnaces. 2,438,830, Mar. 30.
- Snader, Craig M., Rosedale, Pa. Adjustable generator. 2,455,956, Dec. 14.
- Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic transmission for machine tools. 2,436,406, Feb. 24.
- Snader, Ira J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Speed governor. 2,456,746, Dec. 21.
- Snader, Ira J., Detroit, Mich., assignor to Avco Manufacturing Corporation. Speed governor. 2,456,748, Dec. 21.
- Snader, Ira J., Detroit, and H. N. Seyferth, East Detroit, assignors to Ex-Cell-O Corporation, Detroit, Mich. Fluid pressure actuated motor. 2,438,463, Mar. 23.
- Snader, Ira J., Detroit, Mich., and A. G. Forsyth, Cheam, England, assignors of one-half to Avco Manufacturing Corporation, and one-half to The Fairey Aviation Company, Ltd., Hayes, Middlesex, England. Speed governor. 2,456,747, Dec. 21.
- Snap Products Co., assignee: *See*—
Pope, Charles S.
- Snead, Edwin B., Austin, Tex. Dumping vehicle. 2,454,101, Nov. 16.
- Snead, Henry C., Jr., San Francisco, Calif. Highway marking device. 2,435,757, Feb. 10.
- Sneckner, Harold A., assignor to Clark F. Ross, Richmond Heights, Mo. Work-holding device. 2,449,255, Sept. 14.
- Snedecor, Frank E., assignor to The Garrett Corporation, Los Angeles, Calif. Cabin pressure regulator. 2,436,183, Feb. 17.
- Snedeker, Claude Q., Canton, Ohio. Antiskid device. 2,434,017, Jan. 6.
- Snell, De Witt S., and L. P. Grobel, Schenectady, N. Y., assignors to General Electric Company. Gas filled machine. 2,454,979, Nov. 30.
- Snell, Esmond E.: *See*—
Shive, William, and Snell.
- Snell, Esmond E., Austin, Tex., assignor to Research Corporation, New York, N. Y. Physiologically active derivative of pyridoxine and making the same. 2,453,944, Nov. 16.
- Snell, Francis A., assignor, by mesne assignments, to BMC Manufacturing Corporation, Binghamton, N. Y. Wrench with toggle-actuated pivoted jaw. 2,436,497, Feb. 24.
- Snell, Francis A., Chenango Forks, N. Y. Mechanism for converting rotary motion into approximately hypocycloidal motion. 2,449,958, Sept. 21.
- Snell, Leonard S., Bedford, Feltham, assignor to D. Napier & Son Limited, London, England. Control lever mechanism. 2,454,485, Nov. 23.
- Snethen, George E., Oklahoma City, Okla. Line marking tool. 2,452,962, Nov. 2.
- Snethun, Hans J., Vancouver, British Columbia, Canada. Artificial hand and arm. 2,449,728, Sept. 21.
- Sneva, Ingolf, assignor to W. F. Meyers Company, Bedford, Ind. Radius-angle former. 2,436,873, Mar. 2.
- Snider, Alva V.: *See*—
Morris, Rupert C., Horowitz, and Snider.
Morris, Rupert C., Snider, and Williams.
Morris, Rupert C., Van Winkle, and Snider.
- Snider, Carl J., Brooklyn, N. Y. Spark plug tester. 2,434,969, Jan. 27.
- Snider, Carl J., Dayton, Ohio. Oil regulator test stand. 2,450,922, Oct. 12.
- Snider, Raymon W., Cheyenne, Wyo. Sterilizer. 2,450,816, Oct. 5.
- Snijders, Marcus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-voltage rectifying tube. 2,450,770, Oct. 5.
- Snip, John G., Lamar, Mo. Apparatus for operating two oars with one hand. 2,444,683, July 6.
- Snodgrass, Benjamin W., assignor of one-half to B. F. Englander, Denver, Colo. Electric hammer. 2,434,725, Jan. 20.
- Snook, Jacob L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., trustee. Magnet core. 2,452,529, Oct. 26.
- Snook, Jacob L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Magnetic core. 2,452,530, Oct. 26.
- Snook, Jacob L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Manufacturing a magnetic material and magnetic core. 2,452,531, Oct. 26.
- Snoke, John J., Goshen, Ind. Method and apparatus for forming wood veneer plywood tubes. 2,457,504, Dec. 28.
- Snook, Harry N.: *See*—
Hegeman, Andrew S., Jr., and Snook.
- Snook, Harry N., Maywood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuity and short-circuit test set. 2,434,336, Jan. 13.
- Snow, Albert G., Jr., Lake City, and H. R. Lanier, Olustee, Fla., assignors to the United States of America, as represented by the Secretary of Agriculture. Bark chipping hack for turpentine trees. 2,434,869, Jan. 20.
- Snow, Donald L., Hempstead, N. Y., assignor to The Sperry Corporation. Electron discharge apparatus. 2,438,132, Mar. 23.
- Snow, Donald L., Hempstead, and W. W. Hansen, Garden City, N. Y., assignors to The Sperry Corporation. Seal for high-frequency transmission lines. 2,456,653, Dec. 21.
- Snow, Ernest M., Greenville, S. C. Churn operating mechanism. 2,441,727, May 18.
- Snow, Henry: *See*—
Slayer, Games, and Snow.
- Snow, Howard, and R. H. Hocutt, Charlotte, N. C., assignors to Southern Friction Materials Company. Preparing fibrous molding compositions. 2,446,345, Aug. 3.
- Snow, John E., Hasbrouck Heights, R. H. Barth, Ridge-wood, and R. J. Boesel, Garfield, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Recovery of products from pentaerythritol process waste liquors. 2,441,602, May 18.
- Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Berndtson, John O.
Nabstedt, Arthur T.
- Snow, Virgil L., assignor to The Euclid Road Machinery Co., Euclid, Ohio. Semiautomatic tail gate for rear dump bodies. 2,439,585, Apr. 13.
- Snyder, Ballard F., Spokane, Wash. Shoe. 2,447,603, Aug. 24.
- Snyder, Ben, assignee: *See*—
Trowbridge, Charles A.
- Snyder, Carl J., Detroit, Mich. Hollow propeller blade. 2,450,455, Oct. 5.
- Snyder, Ellis N., Melrose Park, Ill. Combined bird cage perch cleaner and holder for mite attracting material. 2,439,873, Apr. 20.
- Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Protection of certain nonferrous metal surfaces. 2,453,764, Nov. 16.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits for electromagnetic chucks. 2,445,459, July 20.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking system. 2,445,460, July 20.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction motor braking system. 2,445,806, July 27.
- Snyder, George H. S., Woodbury, R. V. White, Pitman, J. H. Bishop, Wrennahn, and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,436,272, Feb. 17.
- Snyder, Gerson, assignee: *See*—
Trowbridge, Charles A.
- Snyder, Harold R., Urbana, Ill., E. E. Howe, Linden, and A. J. Zambito, assignors to Merck & Co., Inc., Rahway, N. J. Synthesis of tryptophane. 2,447,544, Aug. 24.
- Snyder, Harold R., Urbana, Ill., and C. W. Smith, Berkeley, Calif., assignors to Merck & Co., Inc., Rahway, N. J. Synthesis of tryptophane and intermediates therefor. 2,447,545, Aug. 24.
- Snyder, Harry D., New York, assignor, by mesne assignments, to Speed Products Company, Inc., Long Island City, N. Y. File fastener. 2,434,083, Jan. 6.

- Snyder, Harry D., New York, assignor, by mesne assignments, to Speed Products Company Inc., Long Island City, N. Y. Loose-leaf binder. 2,439,826, Apr. 20.
- Snyder, Hartland S.: *See*—
Petty, Stanton H., and Snyder.
- Snyder, Howard L., Sodus, N. Y. Nail stripper. 2,445,541, July 20.
- Snyder, Jacob R., Cleveland, Ohio. Rail fastening. 2,446,857, Aug. 10.
- Snyder, Jacob R., Cleveland, Ohio. Rail holding device. 2,451,414, Oct. 12.
- Snyder, James R., assignee: *See*—
Broudy, Albert M.
- Snyder, John Y., assignor to Wedgeplug Valve Co., Inc., New Orleans, La. Grinding compositions. 2,443,693, June 22.
- Snyder, John Y., assignor, by mesne assignments, to Louisiana Savings Bank & Trust Company, New Orleans, La. Movement controlling apparatus. 2,443,995, June 22.
- Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Electric flatiron. 2,436,943, Mar. 2.
- Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Solenoid with plunger. 2,444,118, June 29.
- Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Massaging device. 2,452,798, Nov. 2.
- Snyder, Mahlon C., Hamburg, N. Y. Roadway sanding apparatus for vehicles. 2,435,758, Feb. 10.
- Snyder Mfg. Company, assignee: *See*—
Trowbridge, Charles A.
- Snyder, Richard L., Jr., Glassboro, N. J., assignor to Radio Corporation of America. Thermionic tube circuits. 2,456,029, Dec. 14.
- Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Incremental deflection of cathode-ray beam. 2,436,677, Feb. 24.
- Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube scanning circuit. 2,449,792, Sept. 21.
- Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Cathode beam tube and circuit therefor. 2,454,410, Nov. 23.
- Snyder, Richard L., Jr., and R. R. Goodrich, Princeton, N. J., assignors to Radio Corporation of America. Computer system. 2,441,296, May 11.
- Snyder, Robert E.: *See*—
Allen, Frank M., and Snyder.
- Snyder, Robert H., Newark, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of a styrene, an allylic acrylate, and an allylic alcohol. 2,441,515, May 11.
- Snyder, Robert H., Newark, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of allylic alcohol and allylic acrylates. 2,441,516, May 11.
- Snyder, Rudolph M., assignor to H. A. Johnson, Kansas City, Mo. Lining composition and container wall lined therewith. 2,451,362, Oct. 12.
- Snyder, Russell D., assignor to The Aro Equipment Corporation, Bryan, Ohio. Air line oiler. 2,439,910, Apr. 20.
- Snyder, Sarah S., assignee: *See*—
Snyder, William M.
- Snyder, William M., assignor to S. S. Snyder, Covington, Tenn. Crystal novelty and paperweight. 2,435,612, Feb. 10.
- Soares, John, San Leandro, Calif. Feed regulator control for labeling machines. 2,435,803, Feb. 10.
- Sobel, Alfonso D., Brooklyn, assignor to Paramount Industries, Inc., New York, N. Y. Fluorescent hand lamp. 2,435,164, Jan. 27.
- Sobell, Morton, Schenectady, N. Y., assignor to General Electric Company. Damper. 2,454,980, Nov. 30.
- Sobelman, Benjamin H., assignee: *See*—
Toner, George E.
- Société à Responsabilité Limitée Etablissements Bertrand Faure, assignee: *See*—
Auby, André.
- Société à responsabilité limitée Fonderie de Precision, assignee: *See*—
Nau-Touron, Albert.
- Société à Responsabilité Limitée: Les Fils De Valton & Co., assignee: *See*—
Boueraut, Louis.
- Société à responsabilité limitée "Mermet & Virthner," Villeurbanne, assignee: *See*—
Ravella, Jean A.
- Société Anonyme des Tubes de Valenciennes & Denain, assignee: *See*—
Gillet, Eugene C.
- Société Anonyme Andre C., assignee: *See*—
Levesque du Rostu, Georges.
- Société Anonyme de Telecommunications, assignee: *See*—
Lebedinsky, Myron.
- Société Anonyme des Forges et Aciéries du Nord & de l'Est, assignee: *See*—
Allard, Marc L.
- Société Anonyme des Usines Chausson, assignee: *See*—
Chausson, Gaston.
- Société anonyme dite: Ateliers de Constructions Electriques de Charleroi, assignee: *See*—
Neiryck, Roger.
- Société Anonyme dite: Société D'Innovations Chimiques dite: Sinnova ou Sadic, assignees: *See*—
Bert, Leonce, and Procofiel.
- Société Anonyme: Forges & Ateliers De Meudon, assignee: *See*—
Chalicarne, Gabriel.
- Société Anonyme Solex, assignee: *See*—
Mennesson, André.
- Société Chimique de la Grande Parosse (Azote & Produits Chimiques), assignee: *See*—
Lantz, Henri.
- Société D'Appareils de Contrôle et Equipement des Moteurs (S. A. C. E. M.), assignee: *See*—
Mennesson, Marcel.
- Société d'Applications Mécaniques Pour L'Automobile, assignee: *See*—
Bourret, René and Bardou.
- Société des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Fournau, Ernest.
- Lahousse, Joseph E. G., and Renouprez.
- Prevost, Charles.
- Société d'Etudes des Vehicules "Sev," assignee: *See*—
Schwander, Erwin F.
- Société D'Electro-Chimie, D'Electro-Metallurgie et des Acieries Electriques D'Ugine, assignee: *See*—
Greffe, André.
- Société D'Etude Pour L'Industrie Du Magnesium, assignee: *See*—
Bassereau, Georges.
- Société d'Etudes de Carburateur pour l'Automobile et l'Aviation "S. E. C. A.," assignee: *See*—
Lozivit, René.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie, S. A., assignee, et al.: *See*—
Huber, Robert.
- Société "Elox," assignee: *See*—
Vergne, Pierre L. A.
- Société Française de Construction de Bennes Automatiques, assignee: *See*—
Allard, Pierre J. T.
- Société Generale de Machines et Brevets, assignee: *See*—
Toulon, Pierre M. G.
- Société Generale des Carburateurs Zenith, assignee: *See*—
Lichtenstein, Johann, and Gistucci.
- Société Genevoise D'Instruments De Physique, assignee: *See*—
Koulicovitch, Maurice.
- Turrettini, Fernand.
- Société Industrielle De Bonneterie, assignee: *See*—
Garric, Jean.
- Société la Reliéphographique Société pour l'Exploitation des Procédés de Photographie en Relief, Maurice Bonnet, assignee: *See*—
Bonnet, Maurice.
- Société L'Entreprise Industrielle, assignee: *See*—
Montagne, Elisée.
- Société Méditerranéenne De L'Energie Marine, assignee: *See*—
Gay, Alphonse.
- Société Meridionale Du Caotchouc S O M E C A, Société a Responsabilité Limitée, assignee: *See*—
Saint-Mieux, Charles.
- Société Nationale de Constructions Aeronautiques Du Nord, assignee: *See*—
Rechain, Eugene.
- Société Rateau (Société Anonyme), assignee: *See*—
Imbert, Roger J., and Mission.
- Society Brand Clothes, Inc., assignee: *See*—
Markin, Louis.
- Society of Chemical Industry in Basle, assignee: *See*—
Grossmann, Paul.
- Kaiser, Otto.
- Kern, Walter.
- Landolt, Albert.
- Straub, Fritz, Brassel, and Pieth.
- Socin, Francis C., Batavia, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano action. 2,436,875, Mar. 2.
- Socin, Francis C., St. Charles Township, Kane County, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano action. 2,442,182, May 25.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Container handle. 2,433,870, Jan. 6.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Cutting blanks. 2,446,198, Aug. 3.
- Socolofsky, John F.: *See*—
Berger, Henry G., Crandall, and Socolofsky.
- Snyder, George H. S., White, Bishop, and Socolofsky.
- Socolofsky, John F., Woodbury, and H. G. Berger, Glen Rock, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Coating composition. 2,441,105, May 4.
- Socony-Vacuum Oil Company, assignee: *See*—
Crowley, John A., Jr., and Hornberg.
- Dalton, Swanton D.
- Eastwood, Sylvander C., and Drew.
- Hansford, Rowland C., and Sachanen.
- Meadow, Jacob R., and Stover.
- O'Kelly, Arlie A., and Work.

- Socony-Vacuum Oil Company, assignee: *See*—Continued.
- Reiff, Orland M., and Andress.
 Roehner, Theodore G., and Murry.
 Simpson, Thomas P.
 Sinclair, Edward L.
 Snyder, George H. S., White, Bishop, and Socolofsky.
 Swerdloff, Will.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
- Abrams, Armand J., Gorin, and Baker.
 Altamura, Mario S.
 Baker, Charles O.
 Berger, Henry G., Crandall, and Socolofsky.
 Berger, Henry G., and Fuller.
 Berger, Noland, and Fuller.
 Bergstrom, Eric V.
 Bergstrom, Eric V., and Utterback.
 Bodkin, Ernest A., and Payne.
 Branson, Otis L.
 Brooks, John W., and Kirkpatrick.
 Brown, Henry T.
 Caesar, Philip D.
 Caesar, Philip D., and Sachanen.
 Caldwell, Hamilton P., Jr.
 Caldwell, Hamilton P., Jr., and Chapman.
 Carmody, Don R., and Sharp.
 Cauley, Stephen P.
 Cleveland, James Y.
 Clewell, Dayton H.
 Crowley, John A., Jr.
 Crowley, John A., Jr., and Hayes.
 Crowley, John A., Jr., and Macgeorge.
 Daley, Henry G., Payne, and Sargent.
 Denton, William L., and Bishop.
 Evans, Louis P.
 Evans, Louis P., Hornberg, and Ray.
 Fontana, Celeste M.
 Francis, Alfred W., and Reid.
 Francis, Alfred W., and Schlesman.
 Fuller, Everett W., and Angel.
 Fuller, Everett W., White, and Story.
 Giammaria, John J.
 Gorin, Everett.
 Gorin, Everett and M. H.
 Gorin, Everett, and Miles.
 Gorin, Manuel H., and Sharp.
 Graves, Francis M.
 Happel, John.
 Happel, John, and Cauley.
 Harrington, George A., and Gorin.
 Hartman, Benjamin F.
 Hansford, Rowland C., Rasmussen, Myers, and Sachanen.
 Hansford, Rowland C., Rasmussen, and Sachanen.
 Henderson, Donald S., and Sachanen.
 Hochgesang, Frank P.
 Houston, Victor E., and Oblad.
 Johnson, Curtis H.
 Johnson, George L.
 Johnson, George L., and Gagerbaumer.
 Killingsworth, Robert B., Van Horn, and Spelshouse.
 Koppenhoefer, Robert M.
 Kriebel, Robert H., and Denton.
 Kuhn, Carl S., Jr.
 Marisic, Milton M.
 Marisic, Milton M., Denton, and Bishop.
 Marisic, Milton M., and Griest.
 Marisic, Milton M., and Rutledge.
 Meadow, Jacob R.
 Meadow, Jacob R., and Reid.
 Middleton, Julius B.
 Murray, George W., and Thayer.
 Myers, Claude G., and Sachanen.
 Nelson, Theodore W., Noll, and Simpson.
 Oblad, Alex G.
 Oblad, Alex G., and Boedeker.
 Ott, Ferdinand P.
 Payne, John W.
 Payne, John W., Hornberg, and Drew.
 Payne, John W., Valas, Atwood, and Bergstrom.
 Payne, John W., Simpson, and Butzner.
 Pinney, Ernest F.
 Plank, Charles J.
 Rasmussen, Herbert E., and Hansford.
 Reiff, Orland M., and Andress.
 Reiff, Orland M., Hartough, and Andress.
 Salz, Leon, and Marley.
 Sargent, Edmund L.
 Sargent, Edmund L., and Wilson.
 Schley, Thomas E.
 Schlesman, Carleton H.
 Schlesman, Carleton H., Denton, and Bishop.
 Simpson, Thomas P.
 Simpson, Thomas P., and Eastwood.
 Simpson, Thomas P., and Evans.
 Simpson, Thomas P., Lee, and Ray.
 Simpson, Thomas P., Payne, and Valas.
 Skinner, Emory M.
 Skinner, Emory M., Redfield, and Bollinger.
 Spelshouse, Wallace E., and Boenau.
 Socolofsky, John F., and Berger.
 Squires, Rodney M.
 Stevens, Nelson P., and Squires.
- Socony-Vacuum Oil Company, Incorporated, assignee: *See*—Continued.
- Utterback, Ernest.
 Utterback, Ernest, Sinclair, and Crowley, Jr.
 Valas, Peter D.
 White, Ernest T., and Robinson.
- Socony-Vacuum Oil Company, Incorporated, assignee, et al.: *See*—
- Fahnestock, Frank C., and Ullrich.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Sulfurized oil-aromatic oil compositions. 2,436,457, Feb. 24.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Production of erythritol. 2,437,277, Mar. 9.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Polymerization of substituted indene. 2,437,278, Mar. 9.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Reacting an alkylated indene with a phenolic compound. 2,444,233, June 29.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Plastic composition composed of a cellulose compound and an indanol ester. 2,445,642, July 20.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Hydrocarbon resins and compositions containing the same. 2,445,643, July 20.
 Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Oxygen treated hydrocarbon resins and compositions containing the same. 2,445,644, July 20.
 Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Diolefin polymer resins. 2,435,411, Feb. 3.
 Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Plasticized natural resin material. 2,435,412, Feb. 3.
 Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Hydrocarbon resin-sulfurized oil composition. 2,436,456, Feb. 24.
 Soddors, Noel S., Cleveland, Ohio. Cap for containers. 2,434,773, Jan. 20.
 Soden, Harold R., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Indexing mechanism. 2,453,600, Nov. 9.
 Soderberg, Carl R., Weston, Mass., and J. A. Clark, Glensbury, assignors to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,453,547, Nov. 9.
 Sodergreen, Axel L.: *See*—
 Huppke, Walter F., and Sodergreen.
- Soderquist, Frederick J.: *See*—
 Amos, James L., and Soderquist.
- Söderström, Folke B., Linköping, Sweden, assignor to Vibro-Plus Corporation, New York, N. Y. Electromagnetic vibration motor. 2,434,337, Jan. 13.
- Sodowich, Joe, assignee, et al.: *See*—
 Warner, Samuel W.
- Soet, John C., Grand Rapids, Mich. Blood drawing instrument. 2,437,408, Mar. 9.
- Sofa, Aurelius, Mamaroneck, N. Y. Anchor fastening. 2,452,694, Nov. 2.
- Sofnas, Samuel, Indianapolis, Ind. Spaceband cleaning machine. 2,439,911, Apr. 20.
- Sofa, George, New York, N. Y. Pushcart assembly. 2,457,742, Dec. 28.
- Sohn, Allen O., Plymouth, Wis. Side gripper for square bottomed paper bag forming machines. 2,450,309, Sept. 28.
- Sohnlein, Fred W., assignor of one-half to G. M. Bowman, San Diego, Calif. Closure for containers. 2,448,838, Sept. 7.
- Sohns, Carl B., Grafton, Wis. Electric soldering iron. 2,456,030, Dec. 14.
- Sola Electric Company, assignee: *See*—
 Sola, Joseph G.
- Sola, Joseph G., River Forest, assignor to Sola Electric Company, Chicago, Ill. Motor control system. 2,445,976, July 27.
- Sola, Joseph G., River Forest, assignor, by mesne assignments, to Chicago Title and Trust Company, Chicago, Ill. Motor system using voltage regulating transformer. 2,448,925, Sept. 7.
- Solar Aircraft Company, assignee: *See*—
 Arnhy, Albert A.
 Cairns, Thomas W.
 Conzelman, John E., Jr.
 Harvey, George W.
 Heath, William C., and Pitt.
 Sharp, William A.
- Solar Corporation, assignee: *See*—
 Feldtkeller, Carl L.
 Fields, George C.
 Lund, Arthur D.
- Solar Engineering & Equipment Co., assignee: *See*—
 Martin, Bradford.
- Solar Manufacturing Corporation, assignee: *See*—
 Poitras, Joseph A.
- Solari, Archie J., assignor to Crane Packing Company, Chicago, Ill. Pressed-in package type rotary seal. 2,444,713, July 6.
- Solari, Archie J., assignor to Crane Packing Company, Chicago, Ill. Adjustable fluid seal. 2,457,284, Dec. 28.

- Soldat, Joseph J.: *See*—
Piper, Walter F., and Soldat.
- Sole, George, Traverse City, Mich. Baby's play pen. 2,448,237, Aug. 31.
- Solem, Robert H., assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Gaseous fuel burner. 2,442,062, May 25.
- Solem, Robert H., Rockford, Ill. assignor to Eclipse Fuel Engineering Co. Gaseous fuel burner. 2,457,505, Dec. 28.
- Soll, Samuel: *See*—
Jones, Grinnell, Juda, and Soll.
- Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Method and apparatus for separating audio frequencies. 2,455,389, Dec. 7.
- Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Secondary electron emission tube. 2,456,654, Dec. 21.
- Solliday, Raymond E.: *See*—
Gordon, John T., and Solliday.
- Solliday, Raymond E., and H. E. Riggs, assignors to Wing-foot Corporation, Akron, Ohio. Cord processing apparatus. 2,448,743, Sept. 7.
- Solmssen, Ulrich V., Essex Fells, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. 2-phenylindene derivatives and manufacture of same. 2,447,099, Aug. 17.
- Solomon, Ernest, Nutley, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J. Paraffin hydrocarbon isomerization. 2,434,338, Jan. 13.
- Solomon, Harry, San Francisco, Calif. Game board holder. 2,436,273, Feb. 17.
- Solomon, Joseph H., Columbia, Pa. Napkin holder. 2,435,104, Jan. 27.
- Solomon, Joseph H., Columbia, Pa. Waste receptacle. 2,435,105, Jan. 27.
- Solomon, Morris, Kew Gardens, N. Y. Finger bandage. 2,440,235, Apr. 20.
- Solomon, Myer, deceased, Westmont, by N. W. Solomon, administratrix, Princeton, N. J., assignor to Radio Corporation of America. Electrolytically producing azo dyes on a fibrous sheet material and the fibrous sheet material for said process. 2,435,700, Feb. 10.
- Solomon, Myer, deceased, Westmont, by N. W. Solomon, Princeton, N. J., administratrix, assignor to Radio Corporation of America. Fibrous sheet material for the electrolytic formation of an azo dyestuff thereon. 2,440,526, Apr. 27.
- Solomon, Nathan L., Englewood, N. J. Hair net. 2,453,043, Nov. 2.
- Solomon, Nellie W., administratrix: *See*—
Solomon, Myer.
- Solomon, Theodore, New York, N. Y. Picture holder. 2,451,583, Oct. 19.
- Solon, Philip O., Oakland, Calif. Cutting wheel for flint igniters. 2,443,123, June 8.
- Solovieff, George B.: *See*—
Rice, Harold W., and Solovieff.
- Solovieff, George B., South Gate, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Position indicating device. 2,434,870, Jan. 20.
- Solovieff, Nicholas N., and N. G. Kling, Great Neck, assignors to Airex Manufacturing Company, Inc., Long Island City, N. Y. Helicopter. 2,450,491, Oct. 5.
- Soloway, Saul: *See*—
Friedheim, Ernst A. H., and Soloway.
- Somers, Brock A., Garden City, N. Y., assignor to The Sperry Corporation. Balanced modulator. 2,442,786, June 8.
- Somers, Brock A., Garden City, R. D. McCoy, Bronxville, and J. R. Lilienthal, Brooklyn, N. Y., assignors to The Sperry Corporation. Antihunt follow-up system. 2,452,609, Nov. 2.
- Somers, Elward B., New York, N. Y., assignor to The Roberk Company, Norwalk, Conn. Swivel joint for rear-view mirrors and the like. 2,436,678, Feb. 24.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,456,457, Dec. 14.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,456,458, Dec. 14.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,459, Dec. 14.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,456,460, Dec. 14.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Making gear heating coils. 2,435,242, Feb. 3.
- Somes, Howard E., and B. R. Purvin, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Fluid pressure device. 2,444,474, July 6.
- Somes, Howard E., Detroit, Mich., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Coil and core arrangement. 2,444,475, July 6.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating apparatus. 2,449,089, Sept. 14.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electrical connector. 2,453,731, Nov. 16.
- Sommer, Albert, New York, N. Y. Method and apparatus for preparing in a gaseous medium pulverulent non-coalescent dispersions. 2,445,928, July 27.
- Sommer, Emile A., North Hollywood, Calif. Seed planter. 2,452,963, Nov. 2.
- Sondern, Clarence W., Mendham, and P. J. Brelvogel, Glen Ridge, assignors to White Laboratories, Incorporated, Newark, N. J. N,N-dimethyl-n'-benzyl-n'-(2-thiazolyl)-ethylene-diamines. 2,440,703, May 4.
- Sonin, Frances: *See*—
Siegel, Morris H., and Sonin.
- Sonkin, Simon, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,450,619, Oct. 5.
- Sonn, Emanuel J., Riverton, N. J. Smoking pipe. 2,437,763, Mar. 16.
- Sonnenberg, Milo E., assignor of one-third to D. Mangan, Garden City, Kans. Posthole digger. 2,435,473, Feb. 3.
- Sonneborn, L., Sons, Inc., assignee: *See*—
Breth, Ferdinand W., and Kinsel.
- Faust, Jacob.
- Liberthson, Leo.
- Liberthson, Leo, and Faust.
- Moscowitz, Abraham.
- Phillips, Joseph.
- Sonnemann, William K., Roselle Park, and M. A. Bostwick, Budd Lake, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetizing-inrush tripping suppressor. 2,434,595, Jan. 13.
- Sonnenfeld, Hugo, Bradford, assignor to Standard Telephones and Cables Limited, London, England. Extrusion machine for producing power cables. 2,452,610, Nov. 2.
- Sonnenschein, Louis C., Milwaukee, Wis. Box clamp. 2,437,485, Mar. 9.
- Sonner, Edwin W., Jr., Queens Village, N. Y. Fishing rod holder and bait digging apparatus. 2,451,363, Oct. 12.
- Sonnett, William J., and B. B. Stobbe, assignors to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseball mitt. 2,452,695, Nov. 2.
- Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Multi-load range weighing system for materials testing machines. 2,447,778, Aug. 24.
- Sonoco Products Company, assignee: *See*—
Blanchet, Joseph E. A.
- Sonotone Corporation, assignee: *See*—
Knauert, William F.
- Sontag, Samuel: *See*—
Satz, Frank, Berns, and Sontag.
- Sontheimer, Carl G., Haddonfield, N. J., assignor to Radio Corporation of America. Dielectrically tuned wave-meter. 2,449,182, Sept. 14.
- Sontheimer, Carl G., Riverside, Conn., assignor to Radio Corporation of America. Wave generating system. 2,452,213, Oct. 26.
- Sooy, Walter E.: *See*—
Ringle, William A., Sooy, and Von Sydow.
- Sopack, Michael J., Midland, Mich. Screw holding screw driver. 2,451,696, Oct. 19.
- Soper, Quentin F.: *See*—
Behrens, Otto K., Jones, and Soper.
- Behrens, Otto K., and Soper.
- Soper, Roy M., Tacoma, Wash. Sanitary nursing bottle. 2,456,337, Dec. 14.
- Soreng Manufacturing Corporation, assignee: *See*—
Fisher, Hardin Y.
- Sorensen, Edward M., deceased, Dayton, Ohio; H. S. Sorensen, administratrix. Automatic radio range control for light trainers. 2,448,555, Sept. 7.
- Sorensen, Edward M., deceased, Stamford, Conn.; H. S. Sorensen, administratrix. Cathode controlled electronic voltage regulator circuit. 2,455,143, Nov. 30.
- Sorensen, Helen S., administratrix: *See*—
Sorensen, Edward M.
- Sorensen, Louis, assignee: *See*—
Frederiksen, Jacob B.
- Sorensen, Steffen H., New York, N. Y. Safety prod. 2,457,506, Dec. 28.
- Soreny, Ernest V., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Connecting device and making the same. 2,436,832, Mar. 2.
- Soreny, Ernest V., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Reflex camera with erecting and reducing optical finder system. 2,442,327, May 25.
- Sorg, Harold E., Redwood City, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,447,719, Aug. 24.
- Sorg, Lloyd F.: *See*—
Varian, Sigurd F., and Sorg.
- Sorrentino, Antonio M., Brooklyn, N. Y. Antiskid jacking device for vehicles. 2,439,758, Apr. 13.
- Soskin, Harry, Philadelphia, Pa. Automobile jack. 2,442,881, June 8.
- Soskin, Herman, assignee: *See*—
Lutins, Edward S.
- Sosnick, Benjamin, San Francisco, Calif. Making foam-like mass of metal. 2,434,775, Jan. 20.
- Soto, Oliverio A., Habana, Cuba. Closure for nonrefillable bottles or other containers. 2,436,081, Feb. 17.

- Souders, Mott, Jr., Piedmont, and A. J. Cherniavsky, assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for distillation of mixtures forming two liquid phases. 2,445,043, July 13.
- Souders, Mott, Jr., Piedmont, and F. A. French, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Extraction of unsaturated hydrocarbons and selective solvent therefor. 2,449,793, Sept. 21.
- Soule, Edward C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Inhibiting the precipitation of lithium soap in an aqueous solution of lithium hypochlorite. 2,435,474, Feb. 3.
- Soundsciber Corporation, The, assignee: *See*—Nakken, Theodore H. Thompson, Lincoln.
- South, Chester, assignor to Bear Manufacturing Company, Rock Island, Ill. Clamp for frame straightening machines. 2,451,307, Oct. 12.
- Southam, Earl A.: *See*—Crossman, Fred, Southam, and Ruhl.
- Souther, Benjamin F., Seattle, Wash. Hose storage reel. 2,438,306, Mar. 23.
- Southern Engineering Supplies (Ptg.) Ltd., assignee: *See*—Berry, Cyril E.
- Southern Friction Materials Company, assignee: *See*—Snow, Howard, and Hocutt.
- Southern Shell Fish Company, Inc., assignee: *See*—Ganucheau, James J.
- Southern Steel Company, assignee: *See*—White, Loyd J.
- Southern Wood Preserving Company, assignee: *See*—Deifers, August M.
- Southerly, Harold I., assignor to The Do All Company, Des Plaines, Ill. Continuous flow pasteurizer. 2,438,582, Mar. 30.
- Southwest Airways Company, assignee: *See*—Ray, James G.
- Southwest Paving Company, assignee: *See*—Ekenstam, Edward D.
- Southwest Products Co., assignee: *See*—Potter, Lee R.
- Sova, Alfred L., Flint, Mich. Hitch. 2,441,336, May 11.
- Sowa, Frank J.: *See*—Schwerdle, Arthur. Wells, Franklin H., and Sowa.
- Sowa, Frank J., Cranford, N. J., assignor to American Machine and Foundry Company. Tobacco and treating the same. 2,445,338, July 20.
- Sowa, Frank J., Cranford, N. J. Hydraulic pressure device and actuating fluid therefor. 2,449,335, Sept. 14.
- Sowa, Frank J., Cranford, N. J., and A. Schwerdle, New York, N. Y., said Schwerdle assignor to said Sowa. Production of alicyclic carboxylic acids. 2,454,351, Nov. 23.
- Sowerby, George A., Newcastle-on-Tyne, and W. S. Short, Seaton Burn, Newcastle-on-Tyne, assignors to George Angus & Company Limited, Newcastle-on-Tyne, England. Belting. 2,439,586, Apr. 13.
- Spadaro, James J.: *See*—Porges, Nandor, Pollard, and Spadaro.
- Spaht, James F., Baton Rouge, La., assignor to Standard Oil Development Company. Boiler detention trough. 2,449,624, Sept. 21.
- Spain, William, Villa Park, assignor to E. J. Brach & Sons, Chicago, Ill. Method and apparatus for assembling and handling confections or the like. 2,442,250, May 25.
- Spain, William P., Villa Park, assignor to E. J. Brach & Sons, Chicago, Ill. Article arranging and advancing conveyor mechanism. 2,456,031, Dec. 14.
- Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controller for sewing machines. 2,437,052, Mar. 2.
- Spalding, A. G., & Bros., Inc., assignee: *See*—Kearsley, Edward P., and Marciniak.
- Tynan, James N.
- Spanel, Abraham N., Princeton, N. J. Flexible collapsible fluid bladder. 2,438,351, Mar. 23.
- Spang, Carl F., Milton, Mass., assignor to Cube Steak Machine Co. Slicing machine including a stationary cutting grid and a reciprocating plunger. 2,445,589, July 20.
- Spangenberg, Karl, L. M. Field, and R. Helm, Palo Alto, Calif., assignors to International Standard Electric Corporation, New York, N. Y. High density beam tube. 2,436,833, Mar. 2.
- Spangenberg, Carl C., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Lubricating system for engines. 2,443,875, June 22.
- Spanogle, John A., Dayton, Ohio. Hydraulic mechanism for synchronizing a plurality of prime movers with a master prime mover. 2,455,390, Dec. 7.
- Spare, Gordon T.: *See*—Griffiths, Ronald E., and Spare.
- Sparhawk, Frank, Akron, Ohio. Hospital bed. 2,445,153, July 13.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Split cylindrical housing for suction cleaners. 2,438,133, Mar. 23.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Electric iron with synchronous heat indication. 2,439,825, Apr. 20.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Heat regulating iron. 2,457,185, Dec. 28.
- Sparks, Chiles E.: *See*—Rossander, Swanie S., Sparks, and Maynard.
- Sparks, Chiles E., Wilmington, Del., J. W. Libby, Jr., St. Matthews, Ky., and J. H. Trepagnier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Green tetrakisazo dyes. 2,448,158, Aug. 31.
- Sparks, William J.: *See*—Wolf, Ralph F., and Sparks. Young, David W., and Sparks.
- Sparks, William J., Cranford, H. B. Kellog, Union City, and D. C. Field, Linden, N. J., assignors to Standard Oil Development Company. Solid styrene polymer formation at low temperatures. 2,436,614, Feb. 24.
- Sparks, William J., Elizabeth, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Low-temperature polymerization of butadiene in the presence of methallyl chloride. 2,440,494, Apr. 27.
- Sparks, William J., Elizabeth, and R. M. Thomas, Union, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Interpolymers of isolefine with diolifins and producing same. 2,442,218, May 25.
- Sparks, William J., Cranford, N. J., and D. C. Field, Baton Rouge, La., assignors to Standard Oil Development Company. Lubricating oil addition agents. 2,451,048, Oct. 12.
- Sparr, William M., Looneyville, W. Va. Razor blade holder. 2,447,965, Aug. 24.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermoelectric generator with pilot burner. 2,454,229, Nov. 16.
- Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,436,874, Mar. 2.
- Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch. 2,453,945, Nov. 16.
- Spause, Edward A., Philadelphia, Pa. Pocket football game apparatus. 2,454,891, Nov. 30.
- Spaw, George, Kansas City, Mo. Lamp shade. 2,435,759, Feb. 10.
- Speaker, David M., East Orange, N. J., and J. B. Hersh, Flushing, N. Y. Apparatus for and method of measuring or indicating limb or digital volume changes resulting from arterial pulsations. 2,452,799, Nov. 2.
- Speakman Company, assignee: *See*—Fraser, James.
- Speakman, John B.: *See*—Johnson, Arthur, and Speakman.
- Speakman, John B., and E. W. Whewell, Leeds, assignors to The Fullers' Earth Union Limited, Redhill, England. Finishing textile materials composed of or containing animal fibres. 2,438,328, Mar. 23.
- Spear, Edwin H.: *See*—Cullen, James G., and Spear.
- Spearrin, William R., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Fly closure. 2,434,233, Jan. 6.
- Specialoid Limited, assignee: *See*—Graham, Eric B. Robinson, Albert S., and Willis.
- Specialties Development Corporation, assignee: *See*—Bradford, Victor H. Grant, Harry C., Jr., and Uhl. Lerner, William H.
- Specialties, Inc., assignee: *See*—Alkan, Robert. Alkan, Robert, and Raspet. Raspet, August. McClellan, Stephen A.
- Specialty Equipment and Machinery Corp., assignee: *See*—Riboud, Jacques M. J.
- Speck, John C., Jr., Bloomington, Ind., assignor to the United States of America as represented by the Secretary of the Navy. Separation of monoethanolamine from admixtures by azeotropic distillation with chlorobenzene. 2,449,152, Sept. 14.
- Speck, Lawrence J.: *See*—Morton, Jack A., and Speck.
- Speck, Marvin L.: *See*—Myers, Robert P., and Speck.
- Speck, William F., West Memphis, Ark. Cotton cleaner. 2,456,156, Dec. 14.
- Spector, Morris: *See*—Mann, Estle R., and Spector.
- Spector, Ralph, Kansas City, Mo. Garment and collar combination. 2,451,364, Oct. 12.
- Spector, Theodore, New York, N. Y. Wrist band or strap for watches. 2,439,274, Apr. 6.
- Speed Products Company, Inc., assignee: *See*—Herrick, George G., and Veley. Snyder, Harry D.
- Speer, George, Laurelton, Long Island, N. Y. Interval switch. 2,435,370, Feb. 3.
- Speer & Koenig, assignee: *See*—Erickson, Carl V.
- Speer, Paul, Bogota, N. J., assignor to Armour and Company, Chicago, Ill. Fastening means for collector bags. 2,433,930, Jan. 6.
- Speer Resistor Corporation, assignee: *See*—Von Cseh, Louis.

- Speer, William F., Leonia, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Coating masses of small copper-bearing aluminum articles. 2,437,620, Mar. 9.
- Speicher, Gunther E., Washington, D. C. Locket. 2,450,620, Oct. 5.
- Speicher, Merle, St. Louis, Mo. Undergarment. 2,451,697, Oct. 19.
- Speler, John L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Organosilicon composition and preparing it. 2,444,853, July 6.
- Speiser, Leda I., Chicago, Ill., now by marriage, L. I. Lash. Brassiere. 2,451,001, Oct. 12.
- Speller, Maxine W., White Plains, and H. G. Hill, Port Washington, N. Y. Hose support. 2,440,982, May 4.
- Spelshouse, Wallace E.: *See—*
Killingsworth, Robert B., Van Horn, and Spelshouse.
- Spelshouse, Wallace E., East Hills, and A. H. Boenau, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Battery box asphalt and making the same. 2,455,709, Dec. 7.
- Spence, Edward M., Sr.: *See—*
Clark, Alfred S., and Spence.
- Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway car draft gear. 2,451,415, Oct. 12.
- Spence, John: *See—*
Carroll, Burt H., and Spence.
- Spence, John D., La Crescenta, Calif. Sprinkler control. 2,437,764, Mar. 16.
- Spence, Le Roy U.: *See—*
Butterbaugh, Darrel J., and Spence.
- Spence, Le Roy U., Elkins Park, and D. J. Butterbaugh, Abington, Pa., and D. G. Kundiger, San Francisco, Calif., assignors to Röhm & Haas Company, Philadelphia, Pa. Silica-zirconia catalysts and method of preparation. 2,436,125, Feb. 17.
- Spence, Le Roy U., Elkins Park, D. J. Butterbaugh, and D. G. Kundiger, assignors to Röhm & Haas Company, Philadelphia, Pa. Catalytic process for producing butadiene. 2,438,464, Mar. 23.
- Spencer Aircraft Motors, Inc., assignee: *See—*
Spencer, Louis R.
- Spencer, Bruce N., Jr., assignee: *See—*
Braidwood, Robert B.
- Spencer, Clifford R., and D. G. Wilhelm, Buffalo, N. Y. Mechanism for effecting the regulation and automatic control of the temperature of bath water. 2,455,144, Nov. 30.
- Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Splicing monofilament fabrics. 2,435,467, Feb. 3.
- Spencer, H. Dorsey, assignee, et al.: *See—*
Derby, John H.
- Spencer, James A.: *See—*
Reinhold, Leonard F., and Spencer.
- Spencer, James A., Teaneck, N. J., and J. C. Warwick, Jr., Beechhurst, Long Island, N. Y., assignors to Radio Corporation of America. Record tape advancing device. 2,451,365, Oct. 12.
- Spencer, James A., Teaneck, N. J., and C. L. Kennedy, Patchogue, and L. A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America. Telegraphic code transmitter. 2,452,333, Oct. 26.
- Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Variable test transmitter. 2,453,871, Nov. 16.
- Spencer, Lloyd: *See—*
Kendig, Albert C., and Spencer.
- Spencer, Lloyd, assignor to Lane-Wells Company, Los Angeles, Calif. Automatic shutoff apparatus for oil wells. 2,447,546, Aug. 24.
- Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Valve actuating mechanism. 2,435,727, Feb. 10.
- Spencer, Myron C., Ocean Grove, N. J. Gun mount. 2,452,076, Oct. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,435,984, Feb. 17.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-power microwave discharge tube. 2,437,279, Mar. 9.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,437,280, Mar. 9.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Method of sealing electrical discharge tubes. 2,438,721, Mar. 30.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Pressure measuring device. 2,440,704, May 4.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode structure. 2,447,038, Aug. 17.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Temperature compensated magnetron. 2,449,090, Sept. 14.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,450,023, Sept. 28.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electric discharge device. 2,452,077, Oct. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Thermally tunable electron discharge device. 2,452,078, Oct. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Multielement electron-discharge device. 2,455,957, Dec. 14.
- Sperber, Meyer, Elkins Park, Pa. Producing shirt bands, shirt collars, and the like. 2,444,381, June 29.
- Spencer, Robert B.: *See—*
Rosenthal, Lawrence L., and Spencer.
- Spencer, Roderick A.: *See—*
Potts, Samuel F., and Spencer.
- Spencer, Virgil, East Petersburg, assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for making variegated hard surface covering. 2,434,292, Jan. 13.
- Spender, Donald L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cooling unit. 2,434,676, Jan. 20.
- Sperow, Leon H., Philadelphia, Pa., assignor to General Electric Company. Motor protective and control arrangement. 2,441,851, May 18.
- Sperry Corporation, The, assignee: *See—*
Antony, Charles, Jr.
Antony, Charles, Jr., and Mannheimer.
Ayres, Waldemar A., and Streeter.
Barrow, Wilmer L., and Mieher.
Bolser, William.
Braddon, Frederick D.
Chafee, Earl W., and Van Auken.
Cooke, William T., and Willis.
Costa, Philip J.
Curry, Robert S., Jr., Lane, and Woodbury.
Dawson, Edward, and Ericson.
Dawson, Edward, Watkins, and Schuh.
Dean, Walter N.
Depp, Marlin C., Curry, and Fragola.
Devoll, George C.
Edwards, Robert S.
Feenberg, Eugene.
Ferrill, Thomas M., Jr.
Ferrill, Thomas M., Jr., and Harrison.
Folland, Donald F., and Lyman.
Frische, Carl A., Ferrill, and Slater.
Frost, William F.
Ginzton, Edward L.
Halpert, Percy.
Hansen, William W.
Hansen, William W., and Varian.
Hansen, William W., and Woodyard.
Harrison, Arthur E.
Haskins, Robert, Jr.
Hays, Robert F., Jr.
Isbister, Eric J.
Isbister, Eric J., and Dean.
Jaynes, Edwin T.
Kellogg, Spencer, 2nd.
Kenny, Charles R.
Kenyon, David E.
Lester, John M.
Lyman, Joseph.
McCoy, Rawley D.
Meston, Alexander W.
Moseley, Francis L.
Newton, John C., and Halpert.
Pensyl, Daniel S.
Richardson, Charles H.
Skene, Matthew, and Guiles.
Snow, Donald L.
Snow, Donald L., and Hansen.
Somers, Brock A.
Tawney, Gerold L.
Varian, Russell H.
Varian, Sigurd F., and Sorg.
Webber, Hugh E.
White, Gifford E., and Belson.
White, Gifford E., Campbell, Hauser, and Greene.
White, Walter T., and Harris.
Wilkerson, Jefferson R.
Witt, Marcus K.
- Sperry Gyroscope Company, Inc., assignee: *See—*
Ayres, Waldemar A.
Barrow, Wilmer L.
Blood, Albert, and Glennv.
Ginzton, Edward L.
Hammond, Edmund B., Jr., and White.
Haxby, Robert O.
Holschuh, Carl G., and Warner.
Sensiper, Samuel.
Stearns, Horace M.
Varian, Sigurd F.
Watkins, Frederic M., and Schuh.
White, Walter T., and Courter.
- Sperry Gyroscope Company, Limited, The, assignee: *See—*
Nisbet, Robert H.
Nisbet, Robert H., and Glenny.
- Sperry, John A., Tallmadge, assignor to The Baker, McMillen Co., Akron, Ohio. Mold. 2,441,548, May 11.
- Sperry, Leonard, by change of name: *See—*
Harvill, Tom R., and Wroblewski.

- Sperry Products, Inc., assignee: *See*—
Carlin, Benson.
Firestone, Floyd A., and De Lano.
Shaw, Vincent G.
- Sperry-Sun Well Surveying Company, assignee: *See*—
Ring, Roland.
- Sperti Parady Inc., assignee: *See*—
Von Voiglander, Frederick.
- Sperzel Company, assignee: *See*—
Sperzel, Peter J.
- Sperzel, Robert H., assignor to The Whitney Blake Company, Hamden, Conn. Reducing the surface-adhesiveness of articles. 2,438,622, Mar. 30.
- Sperzel, Peter J., assignor to Sperzel Company, Minneapolis, Minn. Hinge construction for toilet seats. 2,448,330, Aug. 31.
- Sperzel, Peter J., assignor to Sperzel Company, Minneapolis, Minn. Hinge construction for toilet seats. 2,450,209, Sept. 28.
- Spicer, William E.: *See*—
Voorhies, Alexis, Jr., and Spicer.
- Spicer, William E., and J. A. Pierce, Baton Rouge, La., assignors to Standard Oil Development Company. Catalytic cracking of hydrocarbon oils with activated clays. 2,445,370, July 20.
- Spiegel, Edna M.: *See*—
Meyer, Herbert, and Spiegel.
- Spiegel, Ellis H. and R. A., Salinas, Calif. Row-crop carry-all. 2,453,348, Nov. 9.
- Spiegl, Ralph A.: *See*—
Spiegl, Ellis H. and R. A.
- Spielman, Sterling C., Huntingdon Valley, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Cavity resonator oscillator. 2,436,700, Feb. 24.
- Spier, Hans G., Hamilton, Ohio, assignor, by mesne assignments, to Lima-Hamilton Corporation, New York, N. Y. Free piston engine. 2,438,134, Mar. 23.
- Spiehl, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air eliminator. 2,434,596, Jan. 13.
- Spiehl, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Heating element and support therefor. 2,438,767, Mar. 30.
- Spikula, Russell W.: *See*—
Prudhon, Glenn L., and Spikula.
- Spiller, Herbert O., Wootton, Isle of Wight, assignor to J. Samuel White & Company Limited, Isle of Wight, Hampshire, England. Fastening device for detachably connecting together two relatively movable parts. 2,446,113, July 27.
- Spiller, William R., Dayton, assignor to Harris-Seybold Company, Cleveland, Ohio. Cutting machine. 2,445,248, July 13.
- Spiller, William R., Dayton, assignor to Harris-Seybold Company, Cleveland, Ohio. Cutting machine. 2,451,636, Oct. 19.
- Spiller, William R., and R. J. Niederhauser, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Stitching machine. 2,440,618, Apr. 27.
- Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binder rings and method of making same. 2,435,561, Feb. 3.
- Spinner & Kennedy Stationary Co., assignee: *See*—
Fisler, William O.
- Spinnler, Viktor, Zurich, Switzerland. Adjustable clamping fixture for work-benches. 2,439,151, Apr. 6.
- Spira, Josef H., New York, N. Y. Bezel dop and grinding device. 2,449,423, Sept. 14.
- Spirex Broach Corporation, assignee: *See*—
Penny, John K.
- Spiro, Benjamin E.: *See*—
Linde, Leonard J., Arone, and Spiro.
- Spiro, Benjamin E., Philadelphia, Pa., assignor to General Electric Company. Insulating housing for electrical apparatus. 2,457,002, Dec. 21.
- Spiro, Benjamin E., Philadelphia, and R. J. Baskerville, Merwood Park, Pa., assignors to General Electric Company. Electric circuit breaker. 2,445,190, July 13.
- Spiro, Edward H., Jr., New York, N. Y. Combination mattress cover and blanket retainer. 2,450,923, Oct. 12.
- Spitzmueller, Kurt H.: *See*—
Holloway, Donald F., and Spitzmueller.
- Spitzwieser, Ferdinand, New York, N. Y. Scooter for winter sports. 2,449,336, Sept. 14.
- Spladis Société pour l'Application d'Inventions Scientifiques, assignee: *See*—
Esnault-Pelterie, Robert.
- Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye protector. 2,435,243, Feb. 3.
- Splitter, Janet S.: *See*—
Homes, August H., and Splitter.
- Spo, Inc., assignee: *See*—
Young, Lester C.
- Spoehrer-Lange Co. Inc., assignee: *See*—
Lange, Harold T.
- Spofford, Warren A., Glen Ridge, N. J., assignor to General Electric Company. Air conditioning apparatus. 2,441,852, May 18.
- Spokes, Ray E.: *See*—
Blume, William A., and Spokes.
- Spokes, Ray E., Ann Arbor, Mich., assignor to American Brake Shoe Company, New York, N. Y. Friction element. 2,457,003, Dec. 21.
- Sponge Rubber Company, The, assignee: *See*—
Talapay, Anselm.
- Sponseller, William J., Salem, Ohio. Concrete finishing device. 2,446,028, June 27.
- Spooner, John M., Manheim Township, Lancaster County, Pa., assignor to Radio Corporation of America. Cavity resonator magnetron device. 2,435,804, Feb. 10.
- Sporing, Percy A., Hampton Hill, and C. P. Johnson, Hanwell, assignors to The Telegraph Condenser Company Limited, North Acton, England. Tubular container for electrical condensers or other apparatus. 2,450,310, Sept. 28.
- Sporing, Percy A., Hampton Hill, and C. P. Johnson, Hanwell, assignors to The Telegraph Condenser Company Limited, North Acton, England. Tubular container for electrical condensers or other apparatus. 2,451,125, Oct. 12.
- Sporket, Albert, Detroit, Mich. Sharpening device for lawn mowers. 2,437,443, Mar. 9.
- Sporting Specialties Company, assignee: *See*—
Krake, Foster.
- Sport Products, Inc., assignee: *See*—
Goldsmith, Hugo.
- Sports Products Corporation, assignee: *See*—
Thommen, George S.
- Spotz, Donald R., Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston type quick disconnect coupling. 2,439,275, Apr. 6.
- Spracher, Clifford D., Downey, Calif. Temperature switch. 2,442,830, June 8.
- Sprague, Desmond, West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Grooved slip ring. 2,446,673, Aug. 10.
- Sprague Electric Company, assignee: *See*—
Barschdorf, Harry O.
Beverly, Nelson E.
Burnham, John.
Robinson, Preston, and Netherwood.
- Sprague, George H., deceased, assignor of one-half to L. A. Moir, East Newport; L. M. Sprague, executrix, assignor to L. M. Sprague, Commack, N. Y. Flush box mechanism. 2,436,679, Feb. 24.
- Sprague, Howard L., New York, N. Y. String depressor for stringed musical instruments. 2,450,210, Sept. 28.
- Sprague, James M.: *See*—
Cox, Edward H., and Sprague.
- Sprague, Lillian M., executrix, assignee: *See*—
Sprague, George H.
- Sprague, Philip G., New York 28, N. Y. Collapsible tube with sealing plug and decorative flow nozzle. 2,441,649, May 18.
- Sprague, Robert B., Long Beach, and L. E. Berthelson, Los Angeles, Calif., assignors to North American Aviation, Inc. Hydraulic system. 2,441,040, May 4.
- Sprague, Robert M., Manhasset, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Automatic signal bias control means and apparatus. 2,443,434, June 15.
- Sprague, Theodore, IV, assignor to A. J. Higgins, New Orleans, La. Rudder assembly. 2,452,334, Oct. 26.
- Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Quadrant control. 2,447,469, Aug. 17.
- Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Power drive. 2,449,020, Sept. 7.
- Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Weather strip. 2,451,450, Oct. 12.
- Sprauer, Jerome W., Yeadon, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing dibasic calcium hypochlorite. 2,441,337, May 11.
- Sprecker, Alfred L.: *See*—
Watson, Thomas J., and Sprecker.
- Spreng, Warren M., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Spray gun. 2,448,159, Aug. 31.
- Sprigg, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Electrical connector. 2,450,528, Oct. 5.
- Sprigg, Edward A., assignor to H. H. Buggie & Company, Toledo, Ohio. Making electrical socket connections. 2,450,529, Oct. 5.
- Spring, George B., deceased, Essex, Conn.; M. B. Spring, executrix. Staking machine. 2,440,213, Apr. 20.
- Spring, Kenneth B., Des Moines, Iowa. Head support for hair driers. 2,446,962, Aug. 10.
- Spring, Mary B., executrix: *See*—
Spring, George B.
- Springer, Hans, Ashland, Mass., assignor to Telechron, Inc. Elapsed time indicator. 2,451,250, Oct. 12.
- Springer, Paul W.: *See*—
Schivley, George W., and Springer.
- Springfield Metallic Casket Co., Inc., The, assignee: *See*—
Kendall, Floyd J.
- Springfield Wire & Tinsel Co., assignee: *See*—
Hennessy, Daniel E.
Homon, Albert J.
- Sprinkman, W. M., Corporation, assignee: *See*—
O'Meara, James P.
- Sprong, William J., Alhambra, Calif. Spring steel shoe with rubber sole. 2,453,468, Nov. 9.
- Sproul, Philip T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electronic devices. 2,435,613, Feb. 10.

- Sproul, Philip T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device mounting. 2,446,674, Aug. 10.
- Sproule, Donald O., London, assignor of one-half to Henry Hughes & Son Limited, Essex, England. Indicating the angular displacements of a shaft at a distance. 2,434,057, Jan. 6.
- Sproull, Charles W., deceased, Houston, Tex.; E. M. Sproull, executrix. Well tubing. 2,445,249, July 13.
- Sproull, Edith M., executrix: *See*—
Sproull, Charles W.
- Sproull, Wayne T.: *See*—
Martin, Edward J., and Sproull.
- Sprow, John H., Jackson, Ohio. Blast furnace tuyère. 2,454,892, Nov. 30.
- Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Composition for and coating aluminum. 2,438,877, Mar. 30.
- Sprules, Francis J.: *See*—
Price, Donald, and Sprules.
- Sprung, Joseph A.: *See*—
Smith, Lee I., and Sprung.
- Sprung, Murray M., Scotia, and C. A. Burkhard, Alplaus, N. Y., assignors to General Electric Company. Synthetic elastic and elastomeric products. 2,448,556, Sept. 7.
- Square D Company, assignee: *See*—
Allen, Wallace T.
Andresen, John H., Jr.
Glaser, Edward M., and Toombs.
Hauptman, Frédéric F.
Jackson, John G.
Jackson, John G., and Kingdon.
Maechtle, Lawrence G., Duvall, and Esler.
Zeller, Josef J., and Woods.
- Zingaro, Placido W.
- Squibb, E. R., & Sons, assignee: *See*—
Ansbacher, Stefan, and Fernholz.
Chow, Bacon F.
Christiansen, Walter G., and Chase.
Fernholz, Erhard, and Ansbacher.
Lott, William A., and Bergeim.
McCormack, Robert B.
Perkins, Donald G.
Rake, Geoffrey W., Wintersteiner, MacPhillamy, and McKee.
Wintersteiner, Oskar, and Dutcher.
- Squires, George R., Rockaway, N. J. Can opener. 2,438,376, Mar. 23.
- Squires, Harold B., Los Angeles, Calif. Parking guide. 2,452,161, Oct. 26.
- Squires, Rodney M.: *See*—
Stevens, Nelson P., and Squires.
- Squires, Rodney M., Alice, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geophysical prospecting. 2,451,883, Oct. 19.
- Sragal, Frank, Detroit, Mich. Vehicle brake and jack system. 2,444,272, June 29.
- Sreb, Jules H., Silver Spring, Md., assignor to United States of America as represented by the Secretary of War. Centrifugal switch. 2,455,620, Dec. 7.
- Srofe, Jesse, Cincinnati, Ohio. Banner or pennant type of display device. 2,437,444, Mar. 9.
- Staah, Alvin W., and O. A. Wanden, Milwaukee, Wis. Repair jig for automatic record changers. 2,448,331, Aug. 31.
- Staaf, Werner I., Rennerdale, Pa. Electrical device. 2,451,308, Oct. 12.
- Stabler, Dwight W., Venice, Calif. Egg boiler. 2,447,039, Aug. 17.
- Stabler, Robinson R., Greensboro, N. C. Dressing and re-pointing hypodermic needles. 2,452,696, Nov. 2.
- Stabler, Robinson R., Greensboro, N. C. Device for sharpening hypodermic needles. 2,452,697, Nov. 2.
- Stace, Walter L., Indianapolis, Ind. Chuck. 2,442,668, June 1.
- Stack, Carl, Gary, Ind. Axially shifting type adjustable tire stripping apparatus. 2,442,714, June 1.
- Stack, Emmet G., Marshfield, Oreg. Prefabricated double wall structure. 2,448,926, Sept. 7.
- Stack, John D., Van Nuys, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Sound reverberating device. 2,437,445, Mar. 9.
- Stack, Maurice V.: *See*—
Mead, Thomas H., Stack, and Smith.
- Stacklin Corporation, assignee: *See*—
Shaw, Thomas.
- Stackpole Carbon Company, assignee: *See*—
Baumer, Henry A.
Dressel, Henry M.
- Stackpole, Gerald B.: *See*—
Jones, Albert S., and Stackpole.
- Stacy, John D., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,454,102, Nov. 16.
- Stacy, L. David: *See*—
Bell, James R., Stacy, and Dischinger.
- Stacy, Leland J., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,452,079, Oct. 26.
- Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Fluid operated motor. 2,454,893, Nov. 30.
- Stadelman, Frank, Cranford, assignor to Latendorf Conveying Corporation, Bayonne, N. J. Lateral bend power-driven conveyor. 2,446,890, Aug. 10.
- Stadler, John, Montreal, Quebec, Canada. Stock agitating and circulating attachment for stock tanks used in pulp and paper mills. 2,452,399, Oct. 26.
- Stadtherr, John J., Newark, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Catalytic polymerization of olefinic hydrocarbons. 2,456,338, Dec. 14.
- Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Coating with polyvinyl alcohol. 2,439,108, Apr. 6.
- Staff, Charles E., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Producing cyclopentadiene and its homologues. 2,453,044, Nov. 2.
- Stafford, James R., Tulsa, Okla. Syringe nozzle. 2,442,573, June 1.
- Stageberg, Sterling O., Minneapolis, Minn. Rotary cylinder pump. 2,444,234, June 29.
- Staggers, John W., Washington, D. C. Building wall. 2,447,916, Aug. 24.
- Stagnaro, John A., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Potential divider. 2,457,787, Dec. 28.
- Staheli, Paul, Arvida, Quebec, Canada. Foot scraper. 2,452,800, Nov. 2.
- Stahl, Elmer R.: *See*—
Elvin, William J., Shaffer, and Stahl.
- Stahl, Maurice D., assignor to The Hoover Company, North Canton, Ohio. Dynamoelectric machine. 2,449,021, Sept. 7.
- Stahl, William F.: *See*—
Collins, Fred V.
- Stahl, William F., Kenilworth, assignor to Libertyville Textiles, Inc., Libertyville, Ill. Rug. 2,448,928, Sept. 7.
- Stahly, Eldon E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of dienes. 2,439,587, Apr. 13.
- Stahnke, Leslie R., Chicago, and W. H. Lannert, Skokie, assignors to Western Engineering and Tool Design, Chicago, Ill. Fishing line float. 2,444,791, July 6.
- Staiger, Otto K., Chicago, Ill., assignor to American Brake Shoe Company, Wilmington, Del. Material-handling apparatus. 2,437,486, Mar. 9.
- Stainbrook, Don M., Detroit, Mich. Pipe wrench. 2,435,329, Feb. 3.
- Stalder, Herbert F., Harper, Kans. Indicator attachment for planters. 2,449,915, Sept. 21.
- Stalder, Oskar, Thun, Hunibach, assignor to Fried. Schenk's Wwe. Stadtmühle Bern, Bern, Switzerland. Drilling appliance. 2,453,349, Nov. 9.
- Staley, A. E., Manufacturing Co., assignee: *See*—
Moyer, Wendell W., and Marmor.
Thomas, McCallip J., and Larson.
- Staley, A. E., Manufacturing Company, assignee: *See*—
Thomas, McCallip J.
- Staley, Allen C.: *See*—
Herreshoff, Alexander G., and Staley.
- Staley, Allen C., Birmingham, D. M. Borden, Royal Oak, and W. S. Horton, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Supercharger control. 2,442,669, June 1.
- Staley, Elmer B., Natrona Heights, Pa. Fire escape. 2,437,864, Mar. 16.
- Stålhan, Bertil, Stockholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Producing electrically semiconducting coatings. 2,446,617, Aug. 10.
- Stalker, Edward A., Bay City, Mich. Aircraft. 2,438,254, Mar. 23.
- Stalker, Edward A., Bay City, Mich. Wing lift control for aircraft. 2,438,255, Mar. 23.
- Stalker, Edward A., Bay City, Mich. Adjustable flap for rotating wings. 2,443,808, June 22.
- Stalker, Edward A., Bay City, Mich. Helicopter with jet-driven lift rotor employing boundary layer air. 2,443,936, June 22.
- Stalker, Edward A., Bay City, Mich. Propulsion and boundary layer control for aircraft. 2,447,100, Aug. 17.
- Stalker, Edward A., Bay City, Mich. Fuel system for aircraft power plants for aircraft propulsion and boundary layer air control. 2,449,022, Sept. 7.
- Stallbaum, Charles F. R., Everett, Wash., assignor to C. Williams as trustee of 32¼ per cent for himself, 33¼ per cent for V. L. Tore and 34¼ per cent for said Stallbaum. Fire and water tube boiler. 2,455,621, Dec. 7.
- Stallcup, Lester B., Phoenix, Ariz. Control syringe. 2,449,678, Sept. 21.
- Stallcup, William D., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Separation of myrcene from beta-pinene by chemical treatment and distillation. 2,443,204, June 15.
- Stallmann, Frederick W., deceased, Wilkinsburg, by Mary E. Bechtel, administratrix, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pump. 2,443,667, June 22.
- Stallsmith, Clare B., assignor, by mesne assignments, to S. M. B., and J. Abrams, Los Angeles, Calif., individually and as partners doing business as Abrams Investment Co. Detecting and indicating system for explosive gases. 2,441,677, May 18.

- Stamatoff, Gelu S., Rutherford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyvinyl acetal resins. 2,440,730, May 4.
- Stamatoff, Gelu S., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of polyvinyl butyral resins. 2,456,462, Dec. 14.
- Stamm, Alfred J., R. M. Seborg, and M. A. Millett, Madison, Wis. Forming compressed wood structures. 2,453,679, Nov. 9.
- Stamm, John J.: See—
Staples, Dana R., and Stamm.
- Stamm, Robert F., Stamford, T. Mariner, South Norwalk, R. B. Barnes, Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Differential refractometer. 2,445,044, July 13.
- Stamsvik, Alfred L., Pittsburgh, Pa. Rotary sliding vane pump structure. 2,436,876, Mar. 2.
- Stanco Incorporated, assignee: See—
Cooke, Henry H., and Holtzclaw.
- Standard Brands Incorporated, assignee: See—
Frey, Charles N., and Miller.
- Standard Car Truck Company, assignee: See—
Leese, Charles P.
- Standard Catalytic Company, assignee: See—
Barr, Frank T.
Holmes, August, and Roediger.
Read, Chester L., and Gleason.
- Standard Conveyor Company, assignee: See—
Eggleston, Smith.
- Standard Duplicating Machines Corporation, assignee: See—
Storck, Frederick W.
- Standard Gage Company, Inc., assignee: See—
Aldeborgh, Erik H., and Emery.
Aldeborgh, Erik H., Emery, Bishop, and Boat.
Emery, Alfred H.
- Standard-Knapp Corporation, assignee: See—
Ardell, Edgar.
Holstebro, Kaye B., and Wimmer.
- Standard Knitting Mills, Inc., assignee: See—
Ashe, Edward J., and Webber.
- Standard Manifold Company, Inc., assignee: See—
Fleischmann, Lester K.
- Standard Oil Company, assignee: See—
Arveson, Maurice H.
Beach, Leland K.
Bearse, Arthur E., and Leonard.
Becker, Sam B.
Becker, Sam B., and Hawley.
Brown, Henry T., and Shankland.
Burk, Robert E.
Burk, Robert E., and Hughes.
Campbell, Donald L., Martin, Murphree, and Tyson.
Campbell, Donald L., Martin, and Tyson.
Darling, Samuel M.
Davis, Garland H. B.
D'Ouville, Edmond L., and Burney.
D'Ouville, Edmond L., and Evering.
Ellender, Harold L.
Evering, Bernard L.
Evering, Bernard L., and d'Ouville.
Evering, Bernard L., and Lien.
Evering, Bernard L., Lien, and Page.
Fasce, Egi V., and Wood.
Fragen, Nathan.
Frosch, Alex.
Green, Arthur D.
Heard, Llewellyn.
Hengstebeck, Robert J.
Hengstebeck, Robert J., and McDaniel.
Hill, Philip.
Hughes, Everett C.
Hughes, Everett C., and Veatch.
Johnson, Carl E.
Johnson, Everett A.
Lemmon, Norman E.
Lemmon, Norman E., and Schuessler.
Martin, John R., and Burrell.
McEltherne, Paul F.
McNab, John G., and Rogers.
Mikeska, Louis A.
Mixon, Lawson W.
Morway, Arnold J., and Zimmer.
Mottorn, Henry O., and Mistretta.
Murphree, Eger V.
Musselman, John M.
Musselman, John M., and Lankelma.
Nash, Cleve C., Jr.
Proell, Wayne A.
Rhodes, Herbert D., Rouault, and White.
Richardson, Roger W., and Pierce.
Scharmann, Walter G.
Scheineman, Fred W.
See, Melvin J., and Bailie.
Seebold, James E.
Shoemaker, Bernard H.
Skoglund, Arthur C., and Swoope.
Sparks, William J., and Field.
Stevens, Donald G.
Tongberg, Carl O.
- Standard Oil Company, assignee: See—Continued.
Voorhees, Vanderveer.
Watson, Roger W.
Wheeler, Harry K., Jr.
Wheeler, Harry K., Jr., and Hengstbeck.
Wilson, Glenn W., Jr.
- Standard Oil Development Company, assignee: See—
Ackroyd, Archie M.
Arundale, Erving.
Barr, Frank T., and Scharmann.
Baskin, Charles M.
Beach, Leland K.
Beerbower, Alan, and Morway.
Beerbower, Alan, and Ricards.
Beerbower, Alan, and Zimmer.
Black, James F.
Blanding, Forrest H.
Brandon, Richard C.
Bruce, William A.
Calfee, John D., and Thomas.
Camp, Elza Q.
Campbell, Donald L., Martin, Murphree, and Tyson.
Connolly, Gerald C.
Cooper, Lyle M.
Davis, Garland H. B., and Zimmer.
Davis, William S., Jr., and Wright.
Dawson, Oliver H., and Corneil.
Dockendorff, Ralph L.
Draeger, Arthur A.
Draeger, Arthur A., and Schutze.
Draeger, Arthur A., and Shewell.
Duncan, Gordon W.
Duncan, Gordon W., and Zimmer.
Elmore, Norman M., and Evans.
Ferguson, Robert P.
Fisher, Edward J., Franklin, and Smith.
Ford, William W., and Thiel.
Fortney, William H.
Franklin, William B.
Frosch, Alex.
Furse, Oliver L.
Gerbes, Otto.
Gillett, Donald B.
Given, Richard A., and Craft.
Gohr, Edwin J.
Gohr, Edwin J., Martin, and Tyson.
Griffin, Lindsay I., and Jahnig.
Guyer, Walter R. F.
Hall, Ike D.
Hardy, Paul E.
Harlan, John L.
Harney, William S., Jr., and Amick.
Heigl, John J., and Wilson.
Heinrich, Raymond L.
Hemminger, Charles E.
Hemminger, Charles E., and Tyson.
Herbst, Walter A.
Hibshman, Henry J.
Hill, Boyd N.
Hinceline, Harris D.
Hodges, Caleb E., and Cashman.
Horecny, Joseph T.
Howard, Frank A.
Howell, William C., Jr.
Hughes, Everett C.
Hungate, William.
Jahnig, Charles E., and Tyson.
Johnson, Frank B.
Jones, Allen R.
Jones, Minor C. K.
Jones, Minor C. K., and Eulhardt.
Jones, Minor C. K., and Retaillian.
Kaulakis, Arnold F.
Kearby, Kenneth K.
Kimberlin, Charles N., Jr.
Kimberlin, Charles N., Jr., and Peirce.
Kraus, Charles A., and Calfee.
Krebs, Robert W.
Laughlin, Kenneth C., and Ogorzaly.
Leland, Hollis L.
Le Roi, Earl J.
Lewis, Warren K.
Lieber, Eugene.
Lieber, Eugene, and Cashman.
Long, John D.
Love, Robert M.
Martin, Homer Z.
Martin, John R.
Mason, Ralph B.
McArdle, Edward H.
McArdle, Edward H., and Mason.
McDermott, John P.
McGee, Robert V. J.
McNulty, George M., and Zimmer.
Menshih, Nicholas.
Mikeska, Louis A.
Mikeska, Louis A., and Arundale.
Mikeska, Louis A., Kittleson, and Smith.
Miller, Pharis.
Mistretta, Vincent F.
Morrell, Charles E.
Morrell, Charles E., and Beach.
Morrell, Charles E., and Slotterbeck.
Morrell, Charles E., Small, and Yowell.

Standard Oil Development Company, assignee: *See*—Continued.

Morrell, Charles E., and Swaney.
 Morway, Arnold J., and Zimmer.
 Mosesman, Max A.
 Mottern, Henry O., and Archibald.
 Munday, John C.
 Munday, John C., and McGee.
 Murphree, Eger V.
 Nelson, Karl J.
 Nicholson, Edward W. S.
 Nicholson, Edward W. S., and Redcay.
 Ogorzaly, Henry J., and Lakin.
 Orr, Franklin M.
 Owen, John J.
 Peck, Edward B.
 Peet, Nick P.
 Pfennig, Reuben F., and Gertz.
 Pierce, Jerry A., and Kimberlin.
 Purvin, Robert L.
 Reeves, Edward D.
 Robertson, Anthony E.
 Robey, Richard F., Fedriko, and Barnett.
 Robey, Richard F., and Morrell.
 Roetheli, Bruno E.
 Rogers, Dilworth T., and McNab.
 Rosen, Raphael, and Zimmer.
 Rupp, Walter H., and Harding.
 Russell, Robert P., Murphree, and Hemminger.
 Salathiel, Richard A.
 Scharmann, Walter G., and Barr.
 Scheineman, Fred W.
 Schneider, Helmuth G.
 Schoder, Erlo F.
 Seebold, James E.
 Sewell, Benjamin W.
 Seyfried, Wilson D.
 Seyfried, Wilson D., and Hastings.
 Shipley, George H., Jr., and Wilson.
 Shepardson, Robert M.
 Shepardson, Robert M., and Mathiasen.
 Shewell, Charles T. and J. R.
 Shipley, George H., Jr.
 Showalter, Jere C.
 Spaht, James F.
 Sparks, William J., Kellog, and Field.
 Sparks, William J., and Thomas.
 Spicer, William E., and Pierce.
 Summerford, Simpson D.
 Sweeney, William J.
 Sweeney, William J., Cloud, and Blackwood.
 Sweetser, Sumner B.
 Sydnor, Ashley R., Jr.
 Taff, Wilfred O.
 Taggart, Millard S., Jr.
 Tarr, Allan L., Oxley, and Fyke.
 Thompson, William I.
 Tyson, Charles W.
 Tyson, Charles W., Fischer, and Murphree.
 Vanderbilt, Byron M., and Parker.
 Van Gilder, Carl F.
 Viles, Prentiss S., and Camp.
 Voorhees, Vanderveer.
 Voorhies, Alexis, Jr.
 Voorhies, Alexis, Jr., and Spicer.
 Wadley, Edward F.
 Wadley, Edward F., and Horeczy.
 Wasson, Jones I., and Wilson.
 Waterman, Wendell W., and Ohso.
 Welch, Lester, and Lippincott.
 Welty, Albert B., Jr., and Holder.
 Whitner, Thomas C.
 Wier, Lloyd D.
 Wilson, James A., and Heigel.
 Winning, Carl, and Rogers.
 Wolf, Ralph F., and Sparks.
 Wrightsman, Gilbert G.
 Young, David W.
 Young, David W., and Elmore.
 Young, David W., and Kellogg.
 Young, David W., and Sparks.
 Zimmer, John C., and Duncan.
 Zimmer, John C., and Morway.
 Zimmer, John C., and Rosen.

Standard Products Company, The, assignee: *See*—
 Reid, James S.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
 Cisco, Edward S.
 Despotakis, Tony.
 Gilpin, Garth G.
 Swann, James S.
 Thompson, Alfred L.

Standard Register Company, The, assignee: *See*—
 Bickel, Bruce T.
 Metzner, Albert W.

Standard Steel Works, assignee: *See*—
 Cellwork, William E.

Standard Stoker Company, assignee: *See*—
 Marsden, Ernest B.

Standard Stoker Company, Incorporated, The, assignee: *See*—
 Martin, Eugene.

Standard Telephones and Cables Limited, assignee: *See*—
 Ambrose, Dermot M.
 Birkby, Harold.
 Bowsher, Edward A. H., D'Assis-Fonseca, and Ward.
 Bray, Frederick H.
 Brown, Andrew, and Marshall.
 Chatterjea, Prafulla K., and Beney.
 Chatterjea, Prafulla K., and Houghton.
 Chatterjea, Prafulla K., and Scully.
 Collings, Norman H., and Beverton.
 Driver, Douglas L. A.
 Foulkes, Christopher H.
 Earp, Charles W.
 Fremlin, John H.
 Fremlin, John H., and Strachey.
 Gibson, William T.
 Glover, William F.
 Grace, Bertram B., Ellison, Leman, Leng, and Bridge.
 Hartley, George C., Gould, and Haigh.
 Heaton-Armstrong, Louis J.
 Jacobsen, Bent B., and Levy.
 Kelly, Richard.
 Lee, Edwin C.
 Levy, Maurice M.
 Maddock, Alan J.
 McWhirter, Eric M. S., and Ward.
 Mitchell, Kenneth.
 Mortlock, Alfred.
 Power, Stephen J.
 Scott, Thomas R., and New.
 Shepherd, Ronald B.
 Sonnenfeld, Hugo.
 Tomlin, Stanley G.
 Williams, Herbert P.
 Willoughby, Eric O.

Standard-Thomson Corporation, assignee: *See*—
 Woods, John E.

Standard Vendors, Inc., assignee: *See*—
 Auerbach, Maurice J.

Standish, Louis J.: *See*—
 Pastor, John, and Standish.

Standley, George P., Cleveland Heights, and K. M. McLellan, Cleveland, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Reinforcing cord and manufacture. 2,436,978, Mar. 2.

Standley, George P., Cleveland Heights, and K. M. McLellan, Cleveland, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Tire cord and manufacture. 2,436,979, Mar. 2.

Standley, George P., Cleveland Heights, and K. M. McLellan, Cleveland, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Tire cord and manufacture. 2,436,980, Mar. 2.

Stanfield, Wayne E., Oakland, Calif. Combined electrical indicator and note receptacle for doors. 2,434,442, Jan. 13.

Stanford, William T., Salem, Ill. Web guiding apparatus. 2,434,128, Jan. 6.

Stange, Ferdinand F., assignor to Foster Machine Company, Westfield, Mass. Yarn winding machine. 2,438,722, Mar. 30.

Stange, Wm. J., Co., assignee: *See*—
 Fonyo, Aladar.

Stanimir, William, assignor to Victoria Precision Works Company Limited, Montreal, Quebec, Canada. Ski attachment. 2,438,623, Mar. 30.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Table top construction. 2,439,027, Apr. 6.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Kitchen cabinet with extensible cutting board. 2,441,728, May 18.

Stanley, Arthur M., Lynn, Mass. Aircraft wheel and tire. 2,450,259, Sept. 28.

Stanley, Emory D., Cranford, N. J. Pipe reamer. 2,435,413, Feb. 3.

Stanley, Herbert M., Tadworth, F. E. Salt, Banstead, and J. F. Williams, Tunbridge Wells, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Removing halogen from coumarone indene polymers. 2,448,127, Aug. 31.

Stanley Home Products, Inc., assignee: *See*—
 Openshaw, James A.

Stanley, James K., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic alloy. 2,442,219, May 25.

Stanley, Leopold G., Maplewood, N. J. Leather purse made from one-piece blank with storage section in tandem with windowed display section. 2,441,338, May 11.

Stanley, Lester N.: *See*—
 Von Glahn, William H., and Stanley.

Stanley, Paul H.: *See*—
 Pitcairn, Harold F., and Stanley.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft rotors providing for tilting of axis and blade pitch regulations. 2,444,070, June 29.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,293, Apr. 27.

Stanley, Richard W.: *See*—
 Fry, Horace P., Jr., Stanley, and McDermott.

- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for drying thread by conduction. 2,440,159, Apr. 20.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,444,071, June 29.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Handling threads. 2,444,409, June 29.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,447,143, Aug. 17.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for the production of artificial filaments. 2,455,530, Dec. 7.
- Stanley, Richard W., Drexel Hill, Pa., and C. A. Castellan, assignors to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,450,024, Sept. 28.
- Stanley Steam Motors Corporation, assignee: *See*—Doble, Abner.
- Stanley, Vernon K., assignee: *See*—Gerondale, John J.
- Stanley Works, The, assignee: *See*—Parsons, Stuart W.
Webster, John H.
- Stannow, Jörgen C., Lidings, Sweden, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Tuning indicator in radio receivers. 2,457,004, Dec. 21.
- Stanolind Oil and Gas Company, assignee: *See*—Bays, George S.
Hartline, Ralph E.
Michael, Vesta F., and Walker.
Roper, Edwin E.
Silverman, Daniel.
- Stanton, George W., assignor to The Dow Chemical Company, Midland, Mich. Purification of vinyl halide and vinylidene halide polymers. 2,438,480, Mar. 23.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vulcanizable mixture of thermoplastic interpolymers. 2,454,486, Nov. 23.
- Stanton, Gladys P., administratrix: *See*—Stanton, Warren F.
- Stanton, Robert J., Brooklyn, and C. Lowry, assignors to Induction Heating Corp., New York, N. Y. Induction heating coil. 2,452,162, Oct. 26.
- Stanton, Warren F., deceased, by G. P. Stanton, administratrix, Pawtucket, R. I.; said W. F. Stanton, assignor, by mesne assignments, to American Car and Foundry Investment Corporation, New York, N. Y. Fuel mixture control. Re. 22,968, Jan. 27.
- Stan-Wall Manufacturing Company, assignee: *See*—Allen, Elmo W.
- Stanworth, J. E., Sheffield, England, assignor to General Electric Company. Phosphate glass. 2,441,853, May 18.
- Stanzel, Leo: *See*—Brown, Harry W., and Stanzel.
- Stapan, Elia, Chicago, Ill. Wheeled figure toy. 2,453,469, Nov. 9.
- Staples, Dana R., Ridley Park, and J. J. Stamm, Chester Heights, Pa., assignors to The Baldwin Locomotive Works. Control system for engine generator units. 2,448,284, Aug. 31.
- Staples, Henrietta: *See*—Staples, Robert J., Sr., and H.
- Staples, Robert J., Sr., and H., Houston, Tex. Grain drier. 2,453,278, Nov. 9.
- Stapling Engineers, Inc., assignee: *See*—Libert, Norris R.
- Stapling Machines Co., assignee: *See*—Woodbury, Glen P.
- Starbuck, Ernest A., Peoria, Ill. Universal joint. 2,453,279, Nov. 9.
- Stareck, Jesse E., Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Electrodepositing copper and baths and compositions therefor. 2,437,865, Mar. 16.
- Starie, George B., Schenectady, N. Y., assignor to General Electric Company. Motor protective device. 2,456,463, Dec. 14.
- Stark, John L., Chicago, Ill. Tap wrench. 2,445,977, July 27.
- Stark, Rawson E.: *See*—Stupakoff, Semon H., Stark, and Henry.
- Starke, Otto A., Ludington, Mich. Wrist watch strap bar. 2,446,065, July 27.
- Starkey, Robert L., New Brunswick, N. J., and K. M. Wight, Philadelphia, Pa., assignors to American Gas Association, Inc., New York, N. Y. Measurement of corrosive characteristics of the soil. 2,454,952, Nov. 30.
- Starling, Richard G., Harviell, Mo. Machine for testing clutch and brake assemblies. 2,449,091, Sept. 14.
- Starr, Alfred R., New York, N. Y. Radio direction finder. 2,448,006, Aug. 24.
- Starr, Allan M., Piedmont, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Seal. 2,442,622, June 1.
- Starr, John A., Riverdale, N. Y. Gas generator. 2,446,309, Aug. 3.
- Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Power lift for grain drills. 2,449,183, Sept. 14.
- Starr, Merle A., Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical circuit. 2,439,321, Apr. 6.
- Starr, Ralph W., Napa, Calif. Full automatic landing legs for semi-trailers. 2,434,443, Jan. 13.
- Starrett, L. S., Company, The, assignee: *See*—Hastings, James E.
King, Elmer I.
- Start, Ernest: *See*—Cooper, William A., and Start.
- Stasse, Henry L., Hawthorne, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of thiocarbanilide and its homologs. 2,435,295, Feb. 3.
- Stastny, Jacob, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,444,757, July 6.
- Staszak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Two-step relay. 2,441,041, May 4.
- Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electroforming rectifier elements. 2,457,186, Dec. 28.
- Statham Laboratories, Inc., assignee: *See*—Statham, Louis D.
- Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Accelerometer with electric strain wires. 2,453,548, Nov. 9.
- Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Electric strain gauge. 2,453,549, Nov. 9.
- Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Bar type-high range gauge. 2,453,550, Nov. 9.
- Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Ring type resistance strain gauge dynamometer. 2,453,551, Nov. 9.
- Statham, Louis D., and C. J. Baker, Los Angeles, Calif., and K. D. Swartzel, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Electric strain gauge. 2,453,601, Nov. 9.
- Statham, Louis D., Beverly Hills, Calif., assignor to Curtiss-Wright Corporation. Electric pressure strain gauge. 2,455,883, Dec. 7.
- Statham, Noel, Greenwich, Conn. Adjustable fastening device. 2,437,765, Mar. 16.
- Statler Mfg. Co., assignee: *See*—Rothbardt, Adolph M.
- Stator Corporation, assignee: *See*—Gulick, Russell A.
Tibbets, Raymond W.
- Staub, Ernest, assignee: *See*—Smithers, Clifford B.
- Staubly, Julian L.: *See*—Smith, Adrian C., and Staubly.
- Staud, Cyril J.: *See*—Carroll, Burt H., and Staud.
- Staudinger, Hanns P., Ewell, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Oxidation of acrolein to acrylic acid. Re. 23,001, May 18.
- Staudinger, Hanns P., Ewell, B. K. Kelly, Wimbledon, London, and A. Cooper, Sanderstead, England, assignors of one-half to The Distillers Company, Limited, Edinburgh, Scotland, and one-half to The Expanded Rubber Company Limited, Croydon, England. Making shaped porous masses of thermoplastic synthetic resinous materials. 2,442,940, June 8.
- Staudinger, Hanns P., Ewell, and M. D. Cooke, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Polymerization of vinyl and vinylidene chlorides. 2,447,289, Aug. 17.
- Staudinger, Hanns P., Ewell, D. Faulkner, Cambridge, and G. T. Wright, Manchester, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Vinylidene chloride resin plasticized with a di-ester of endomethylene tetra-hydrophthalic acid. 2,449,959, Sept. 21.
- Stauffer, Bernard H.: *See*—Puddicombe, Albert B., and Stauffer.
- Stauffer Chemical Company, assignee: *See*—Belchetz, Arnold.
- Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Upholsterer's application tool. 2,453,872, Nov. 16.
- Stauffer, Howard G.: *See*—Moellenbeck, Arthur J., and Stauffer.
- Stauffer, Lynn H., Pattersonville, N. Y., assignor to General Electric Company. Carbon brush element. 2,454,579, Nov. 23.
- Staunt, Martin, Chicago, Ill. Dental hand piece. 2,445,891, July 27.
- Staunton, Le Roy W., Evanston, and R. L. Atkinson, Hinsdale, assignors to United Wallpaper, Inc., Chicago, Ill. Package for rolls and the like. 2,454,352, Nov. 23.
- Steadman, Albert: *See*—Tidik, Stephen, and Steadman.
- Steahly, George W.: *See*—Zienty, Ferdinand B., and Steahly.
- Stearn, Franklin A., East Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electric annunciator drop. 2,444,476, July 6.

- Stearn, George F., Stafford, assignor to The English Electric Company Limited, London, England. Transformer winding. 2,453,552, Nov. 9.
- Stearns, Dick E., Shreveport, La. Apparatus for detecting imperfections in insulating materials. 2,436,615, Feb. 24.
- Stearns, Edwin I., Jr.: *See—*
Buc, George L., and Stearns.
- Stearns, Edwin I., Jr., North Plainfield, and G. L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y. Photometric apparatus giving readings invariant with azimuth on polarizing samples. 2,438,422, Mar. 23.
- Stearns, Edwin I., Jr., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Flickering beam photometer. 2,439,373, Apr. 6.
- Stearns, Harry C., Glen Ellyn, Ill. Impregnating electric coils. 2,442,183, May 25.
- Stearns, Horace M., Merrick, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency control of an oscillator of the velocity modulation type. 2,434,293, Jan. 13.
- Stearns, Kenneth R.: *See—*
Putz, Thomas J., and Stearns.
- Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine cylinder joint. 2,457,073, Dec. 21.
- Stearns Magnetic Mfg. Co., assignee: *See—*
Stearns, Roswell H.
- Stearns-Roger Manufacturing Company, The, assignee: *See—*
Mason, John E.
Mason, John E., and White.
- Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Floor sweeping magnet device. 2,455,319, Nov. 30.
- Stebbins, John D., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Flashing. 2,448,474, Aug. 31.
- Steber Manufacturing Co., assignee: *See—*
Goebel, Herman L.
- Steed, Paul B., Detroit, Mich., and C. C. Levy, deceased, Wilkinsburg, Pa., by H. A. Levy, executrix, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc furnace electrode feed regulator system. 2,434,597, Jan. 13.
- Steel Heddle Manufacturing Company, assignee: *See—*
Kaufmann, Frank H.
Kaufmann, John J.
- Steel Products Engineering Co., The, assignee: *See—*
Sherman, Thomas L.
- Steel Products Engineering Company, The, assignee: *See—*
Rausenberger, Larence E.
- Steel Shot Producers, Inc., assignee: *See—*
Gow, James T.
Klein, Harold L., and Courtright.
- Steele, Doty M., Los Angeles, Calif. Power-driven surfboard. 2,451,781, Oct. 19.
- Steele, Howard L., Jr., Bloomfield, and J. W. McNall, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,438,194, Mar. 23.
- Steele, Howard L., Jr., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,449,794, Sept. 21.
- Steele, William E., Seattle, Wash. Detachable blade scalpel. 2,454,353, Nov. 23.
- Steenhoven, John R., Springfield, Minn. Dump attachment for vehicles. 2,437,656, Mar. 9.
- Steenstrup, Paul V.: *See—*
Nelson, John D., and Steenstrup.
- Steffen, Ralph M., North Hollywood, Calif. Apparatus for heating oil wells and pumping oil therefrom. 2,444,754, July 6.
- Steffen, Ralph M., North Hollywood, Calif. Apparatus for oil sand heating. 2,444,755, July 6.
- Steffen, Ralph M., North Hollywood, Calif., assignor to National Secondary Recovery Corporation, Reno, Nev. Apparatus for progressively heating oil sands surrounding oil wells. 2,444,756, July 6.
- Steffes, Henry J., Great Falls, Mont. Handy scaffold bracket. 2,451,179, Oct. 12.
- Stegall, Frank D., Tusculumbia, Ala. Hood holder. 2,434,598, Jan. 13.
- Stegall, Wilbur D., Concord, R. L. Bruton, and A. J. Bartson, Charlotte, N. C. Loose end eliminator. 2,443,839, June 22.
- Stegeman, Raymond F. E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Hydraulic telescoping lifting jack. 2,453,350, Nov. 9.
- Steger Products Manufacturing Corporation, assignee: *See—*
Trabucco, Vincent R.
- Steghart, Fritz L., and D. C. Gail, South Norwood, London, S. E. 25, assignors to Tinsley (Industrial Instruments) Limited, London, England. Equipment for carrying out polarographic analysis. 2,438,583, Mar. 30.
- Stehl, Howard V., Woodlawn, Md., assignor to Rheem Manufacturing Company, New York, N. Y. Mounting for ball handles. 2,448,238, Aug. 31.
- Stehman, Carlyle J.: *See—*
Hochwalt, Carroll A., Stehman, and Sudhoff.
- Steibel, James P., Racine, Wis. Bending means. 2,456,749, Dec. 21.
- Steiger, Benjamin P., Maplewood, assignor to United Electronics Company, Newark, N. J. Getter structure for electron discharge tubes. 2,433,962, Jan. 6.
- Steiger, Norbert, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of metal mercaptides of amino-aryl mercaptans. 2,454,260, Nov. 16.
- Steigerwald, Clarence S., Atlantic City, N. J. Aspirator. 2,441,980, May 25.
- Steigerwald, Libera L., Chicago, Ill. Strap extender. 2,448,839, Sept. 7.
- Steigerwald, Libera L., Chicago, Ill. Infant's sleeping garment combination. 2,455,884, Dec. 7.
- Steigerwalt, Oliver I.: *See—*
Jacobs, Gordon B., and Steigerwalt.
- Stein, A., and Company, assignee: *See—*
Larson, Andrew D.
- Stein, Albert F., Milwaukee, Wis. Fishing lure. 2,442,866, June 8.
- Stein, Edward A., Detroit, Mich. Shoe cleaner. 2,436,234, Feb. 17.
- Stein, Emil H., assignee: *See—*
Elfner, Henry L.
- Stein, Frederick W., Atchison, Kans. Cell for measuring the electrical characteristics of materials. 2,440,386, Apr. 27.
- Stein, Hall & Co., Inc., assignee: *See—*
Bauer, Jordan V.
La Piana, Fred G., and Bosland.
- Stein, James H.: *See—*
Gibbs, Clifford J., and Stein.
- Stein, John J.: *See—*
Christensen, Harold E., Stein, and Kester.
- Stein, John I., Muncie, Ind. Television cabinet. 2,438,256, Mar. 23.
- Stein, Leander J., United States Army, Sheboygan, Wis. Gasoline field stove. 2,450,025, Sept. 28.
- Stein, Leonard: *See—*
Bockmühl, Max, and Ehrhart, Eisleb, and Stein.
- Stein, Michael R.: *See—*
Kohn, Joseph, and Stein.
- Stein, Robert E.: *See—*
Travilla, James C., Jr., Jones, and Stein.
- Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,436,025, Feb. 17.
- Steinbach, Warner, Maplewood, N. J. Safety razor and blade magazine therefor. 2,436,026, Feb. 17.
- Steinback, Herbert D., Wilmette, Ill., assignor, by mesne assignments, to Allied Control Company, Inc. Snap switch. 2,441,924, May 18.
- Steinberg, Robert, Great Neck, N. Y. Work gloves. 2,449,337, Sept. 14.
- Steinberger, Laurel E., San Fernando, Calif. Set of knockdown furniture. 2,457,411, Dec. 28.
- Steinbock, Edmund A., assignee: *See—*
Neiman, Robert.
- Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Algin gel-forming compositions. 2,441,729, May 18.
- Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Production of oil-in-water emulsions. 2,455,820, Dec. 7.
- Steiner, Frank G., Miami Beach, Fla., and R. G. Birr, Lombard, Ill., assignors, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Towel dispensing device. 2,451,251, Oct. 12.
- Steiner, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Free-piston engine with compressor cylinder and internal-combustion cylinder. 2,435,330, Feb. 3.
- Steiner, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Cylinder liner for opposed piston engines. 2,444,382, June 29.
- Steiner, Louis, Rockaway Park, N. Y., assignor to Mills Industries, Incorporated. Dispensing device. 2,457,187, Dec. 28.
- Steiner, Waldo L.: *See—*
Lincoln, Bert H., and Steiner.
Lincoln, Bert H., Byrkit, and Steiner.
- Steinert, Emil F., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactor with movable core member. 2,447,673, Aug. 24.
- Steingruber, George, Atlanta, Ga. Air-circulating heater. 2,445,250, July 13.
- Steinhaus, Hugo, Lwow, Poland. Method of and apparatus for localizing and visualizing foreign bodies. 2,441,538, May 11.
- Steinhoff, Gordon R., Santa Monica, Calif., and J. W. Blair, Tulsa, Okla., assignors to Boeing Airplane Company, Wichita, Kans. Airplane landing gear and emergency release mechanism therefor. 2,437,135, Mar. 2.
- Steinicke, Norman C., East Cleveland, assignor to Weather-Seal, Inc., Barberton, Ohio. Combination latching, unlatching, and ejecting means for windows and doors. 2,456,464, Dec. 14.
- Steinitz, Otto: *See—*
Mosner, Peter, and Steinitz.
- Steinitz, Stephan, New York, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,453,470, Nov. 9.
- Steinke, Theodore W., assignor to Gates Rubber Company, Denver, Colo. V-type belt. 2,446,310, Aug. 3.

- Steinkraus, Walter C., Chicago, Ill. Hot melt coating composition containing polyethylene, terpene resin, chlorinated diphenyl resin, and paraffin. 2,453,644, Nov. 9.
- Steinle, Adolph A., assignee, et al.: *See*—
DiRenzo, Simon.
- Steinman, Robert: *See*—
White, Erven, Steinman and Biefeld.
- Steinmeyer, John W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Preparing weldable ferrous members having high carbon faces. 2,439,637, Apr. 13.
- Steinmiller, Adelbert A., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,438,423, Mar. 23.
- Steinway & Sons, assignee: *See*—
Bilhuber, Paul H.
- Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Wheel slip prevention mechanism for locomotives. 2,440,124, Apr. 20.
- Steinschlaeger, Michael, London, England. Production of industrial or power gases. 2,434,444, Jan. 13.
- Steinschlaeger, Michael, London, England. Production of industrial or power gases. 2,449,729, Sept. 21.
- Steldt, Frank A., assignor to Eli Lilly and Company, Indianapolis, Ind. Tubocurare purification. 2,453,873, Nov. 16.
- Stellin, Donnic V., Detroit, Mich. Socket head screw. 2,445,978, July 27.
- Stellpflug, August W.: *See*—
Tait, Wilfred E., and Stellpflug.
- Stelmack, Stanley F., Philadelphia, Pa. Trouble light for automobiles. 2,435,165, Jan. 27.
- Stelter, Francis C. W., New York, N. Y. Electrical burglar alarm system. 2,438,076, Mar. 16.
- Stelter, Walter W. P., Echo, Minn. Feed control for corn shredders. 2,440,835, May 4.
- Stelzer, Earl E., assignor to The Parker Pattern and Foundry Company, Springfield, Ohio. Bearing driver. 2,441,981, May 25.
- Stelzer, Otto E., South Bend, Ind. Bar mounting fixture. 2,451,884, Oct. 19.
- Stelzer, William, Summit, N. J. Hydraulic brake mechanism. 2,438,723, Mar. 30.
- Stemmons, Clarence H., Kansas City, Mo. Foot leveler. 2,437,136, Mar. 2.
- Stempel, Laszlo M., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Resilient bearer for offset presses. 2,447,991, Aug. 24.
- Stenberg, Thornton R., Troy, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Composition of friction material. 2,450,171, Sept. 28.
- Stenger, Willebald C., Chicago, Ill. Cradle for bass viols or other stringed instruments. 2,455,821, Dec. 7.
- Stengl, Rudolph J., and F. B. Bedwell, Tulsa, Okla., assignors to Ozark-Mahoning Company. Fuel control device for submerged burners. 2,456,032, Dec. 14.
- Stenglein, Karl, Saginaw, Mich. Apparatus with rotatable head and belt for supporting containers and with means for closing containers. 2,438,624, Mar. 30.
- Stenning, Luis C., assignor to The General Electric Company Limited, London, England. Apparatus for tuning variable electrical oscillators. 2,450,696, Oct. 5.
- Stennitt, Thomas, Lansdowne, Ontario, Canada. Saw fitting device. 2,454,953, Nov. 30.
- Stenstrom, Alfred T., New York, N. Y. Electrode. 2,445,808, July 27.
- Stenz, Bernard F., New York, N. Y. Valance. 2,448,061, Aug. 31.
- Stenzel, Walter J., Mount Clemens, Mich. Rocking horse. 2,434,058, Jan. 6.
- Stepanian, Stephen, Columbus, Ohio. Building apparatus. 2,440,920, May 4.
- Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Adjusting and holding device. 2,434,018, Jan. 6.
- Stephan, John T., R. A. Jarvi, and J. R. Ash, assignors, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash. Phenolic resin adhesive. 2,437,981, Mar. 16.
- Stephano Brothers, assignee: *See*—
Stephano, Constantine S.
- Stephano, Constantine S., Elkins Park, assignor to Stephano Brothers, Philadelphia, Pa. Apparatus for producing wrapper material with tear tape sections. 2,446,618, Aug. 10.
- Stephen, Charles P.: *See*—
Lewis, Frederick G., and Stephen.
- Stephen, William E.: *See*—
Knight, Arthur H., and Stephen.
- Stephens, Dishman K., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Apparatus for painting the inside of pipe lines. 2,445,645, July 20.
- Stephens, Dishman K., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Expandable fluid actuated pipe cleaning apparatus. 2,447,966, Aug. 24.
- Stephens, Douglas S.: *See*—
Curtis, Cecil A., and Stephens.
- Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas pulsation dampening apparatus. 2,437,446, Mar. 9.
- Stephens, Joseph F., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Automatic condensation control apparatus. 2,455,320, Nov. 30.
- Stephens, Marion F., Sullivan, Ind. Post-adjusting means for wire and mail directing apparatus. 2,454,680, Nov. 23.
- Stephens, Robert S., Decatur, Ill. Grouting device. 2,440,921, May 4.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic clutch and final drive shaft unit for tractor vehicles. 2,435,244, Feb. 3.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Fluid-tight joint. 2,436,407, Feb. 24.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic overload-release device or cushion for presses. 2,438,951, Apr. 6.
- Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic cycling system. 2,453,732, Nov. 16.
- Stephens, William T., Painesville, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Control valve with operating position hold. 2,448,557, Sept. 7.
- Stephenson, Harry B., Jr.: *See*—
Turbett, Forrest L., and Stephenson.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Driving mechanism. 2,445,590, July 20.
- Stephenson, Hyrum, Tracy, Calif. Direction signal for motor vehicles. 2,439,588, Apr. 13.
- Stephenson, Richard M.: *See*—
Hopkins, Abner C., Jr., and Stephenson, and Watson.
- Stephenson, Roy S., San Francisco, Calif. Incased drain plug. 2,453,820, Nov. 16.
- Stephenson, Wilbur T., assignor to The Dow Chemical Company, Midland, Mich. Continuously extruding vinylidene chloride polymer tubes and stretching the same. 2,452,080, Oct. 26.
- Stephenson, William B., Fond du Lac, Wis. Draft control. 2,435,166, Jan. 27.
- Stepner, Harvey A., Richmond Hill, N. Y. Tray. 2,457,285, Dec. 28.
- Sterck, Thomas R., Arlington, assignor to Polaroid Corporation, Cambridge, Mass. Image-carrying film having light-polarizing and nonpolarizing images. 2,440,125, Apr. 20.
- Sterebuch, Nathan, New York, and M. Saffer, Glendale, N. Y. Coil. 2,439,827, Apr. 20.
- Sterling Drug Inc., assignee: *See*—
Archer, Sydney.
- Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.
- Sterling Injection Molding, Inc., assignee: *See*—
Marquardt, Carl G.
- Sterling, James G., Cleveland Heights, Ohio, assignor to Thompson Products, Inc. Removal of annular scratches in hollow poppet valve stems. 2,450,817, Oct. 5.
- Sterling Motor Truck Company, Inc., assignee: *See*—
Blau, Arthur H.
- Sterling, Scott: *See*—
Oughton, Charles D., Sterling, and Turner.
- Sterling Tool Products Company, assignee: *See*—
Crosby, Stephen A.
- Stern, Norman R.: *See*—
Hawk, Charles O., Stern, and Hofer.
- Sternad, Frank S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tool for manipulating rubber. 2,439,064, Apr. 6.
- Sternbach, Leo H., Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Epimerizing calcium d-arabonate. 2,438,881, Mar. 30.
- Sternbach, Leo H., Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Recovery of ribonolactone. 2,438,882, Mar. 30.
- Sternberg, Ernest R., administrator cum testamento annexo: *See*—
Sternberg, Ernst M.
- Sternberg, Ernst M., deceased, Miami, Fla.; E. R. Sternberg, administrator cum testamento annexo. Dual transmission control. 2,445,716, July 20.
- Sternberg, Jules R. and M. L. B., Fort Smith, Ark. Putter type golf club. 2,445,718, July 20.
- Sternberg, Mary L. B.: *See*—
Sternberg, Jules R. and M. L. B.
- Sternberg, Robert S.: *See*—
Dowell, John H., Sternberg, and Curson.
- Sterrett, Robert R., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Curing olefin-diolefin copolymers. 2,445,283, July 13.
- Sterrett, Robert R., Totowa, N. J., assignor to United States Rubber Company, New York, N. Y. Preservation of 1,3-diene copolymers with mono-substituted thioureas. 2,444,881, July 6.
- Stetson, Robert S., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Protective device. 2,435,167, Jan. 27.
- Stetson-Ross Machine Company, assignee: *See*—
Pritchard, Wilmot T.
- Stendel, George E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Pig mold. 2,439,875, Apr. 20.

- Steuber, Frederick W.: *See*—
Rose, Frank W., and Steuber.
- Stevens, Adolph K., Buffalo, N. Y. Hairpin holder. 2,452,400, Oct. 26.
- Stevens-Arnold Company, Inc., assignee: *See*—
Cann, Arthur F.
- Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. External anode power amplifier and oscillator tube. 2,449,256, Sept. 14.
- Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Lapping or polishing. 2,450,742, Oct. 5.
- Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Internal grinding machine. 2,457,743, Dec. 28.
- Stevens, Don E., assignor to Hammond Aircraft Company, South San Francisco, Calif. Joining thermoplastic pieces. 2,438,685, Mar. 30.
- Stevens, Donald G., assignor to The Standard Oil Company, Cleveland, Ohio. Alkylation process. 2,453,765, Nov. 16.
- Stevens, Douglas F., Pasadena, Calif. Rocket projector. 2,455,101, Nov. 30.
- Stevens, Edward W.: *See*—
Fischer, Howard R., and Stevens.
- Stevens, Guy W. W.: *See*—
Knott, Edward B., and Stevens.
- Stevens, Guy W. W., Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic process. 2,457,005, Dec. 21.
- Stevens, Herbert C. M., assignor to Avimo Limited, Taunton, England. Camera film gate threading mechanism. 2,451,782, Oct. 19.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus (ply turn-up). 2,445,728, July 20.
- Stevens, Jesse V.: *See*—
Dons, Eddie M., and Stevens.
- Stevens, Laverne B., Jackson, Miss. Strap tightener. 2,453,821, Nov. 16.
- Stevens, Marie M., Chicago, Ill. Protector for nursing mothers. 2,436,977, Mar. 2.
- Stevens, Nelson B., Woodhaven, and P. R. Capolongo, assignors to Induction Heating Corp., New York, N. Y. Inductor for high-frequency induction heating. 2,456,091, Dec. 14.
- Stevens, Nelson P., Dallas, and R. M. Squires, Alice, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geochemical prospecting. 2,451,885, Oct. 19.
- Stevens, Nichols, Chicago, Ill. Tire repair device. 2,439,876, Apr. 20.
- Stevens, Roy R.: *See*—
Campbell, James A., Hull, and Stevens.
May, Harry C., and Stevens.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Engine conditioning control apparatus for starting, stopping, and reversing. 2,444,273, June 29.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for prime movers. 2,457,610, Dec. 28.
- Stevens, Willem: *See*—
Van der Vliet, Jacob, and Stevens.
- Stevenson, Andrew, Los Angeles, Calif. Hanger for garments, wearing apparel, etc. 2,439,529, Apr. 13.
- Stevenson, Archibald S.: *See*—
Weisberg, Mark, Stevenson, and Beer.
- Stevenson, Elmer C., Takoma Park, and J. W. Mitchell, Silver Spring, Md., assignors to United States of America, as represented by the Secretary of Agriculture. Method of culturing fungi. 2,437,766, Mar. 16.
- Stevenson, Philip H., Cincinnati, Ohio. Turbine wheel. 2,457,327, Dec. 28.
- Stevenson, Ralph, and Isaac Nadolsky, assignors to Grand Rapids Metal Cabinet Company, Grand Rapids, Mich. Knockdown sheet metal cabinet. 2,438,257, Mar. 23.
- Stevenson, Robert W., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Removable screen structure for rotary beater mills. 2,450,492, Oct. 5.
- Stevenson, William, Toronto, Ontario, Canada. Ash tray. 2,434,181, Jan. 6.
- Steward, Colby W., Kenmore, and M. R. Rivenburgh, Williamsville, N. Y., assignors, by mesne assignments, to Cornell Research Foundation, Inc. Method of multiarc welding. 2,437,840, Mar. 16.
- Stewart, Alexander P., Detroit, Mich. Die spotting device. 2,434,372, Jan. 13.
- Stewart, Andrew G., Edinburgh, Scotland. Beating engine and the like. 2,455,622, Dec. 7.
- Stewart, Byron, Columbus, Ohio. Dental amalgamator. 2,448,840, Sept. 7.
- Stewart, Carlton D., et al.: *See*—
Hines, Claude M., and Stewart.
- Stewart, Charles H., Wilmington, Del. Rotatably adjustable pipe joint. 2,438,234, Mar. 23.
- Stewart, Duncan J., and H. D. Colman, assignors to Barber-Colman Company, Rockford, Ill. Gun fire control prediction computer. 2,442,383, June 1.
- Stewart, Duncan J., assignor to Barber-Colman Company, Rockford, Ill. Fire control computer having nonuniform target flight compensating mechanism. 2,442,384, June 1.
- Stewart, F. W., Manufacturing Corporation, assignee: *See*—
McDaniel, Raymond.
- Stewart, George H., Akron, and E. R. Traxler, Stow, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Power transmission belt. 2,444,583, July 6.
- Stewart, Hall, Oakland, and A. A. Schaerer, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrocarbon mixtures. 2,446,514, Aug. 3.
- Stewart, Meredith M., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of nonsintered iron catalyst. 2,438,584, Mar. 30.
- Stewart, Meredith M., and F. J. Moore, Beacon, assignors to The Texas Company, New York, N. Y. Polymerization of olefins in the presence of hydrogen. 2,446,619, Aug. 10.
- Stewart, Milford D., Charles City, Iowa, assignor to The Oliver Corporation. Brake equalizer. 2,443,331, June 15.
- Stewart, Raymond R., and J. W. Biewen, assignors to Universal Producing Company, Fairfield, Iowa. Display stand for displaying merchandise. 2,455,278, Nov. 30.
- Stewart-Warner Corporation, assignee: *See*—
Allen, Arthur C.
Fagen, William F.
Fairbanks, Gordon J.
Heymann, Seymour E.
Heymann, Seymour E., and Marshall, Jr.
Heymann, Seymour R., Leslie, and Marshall.
Korsgren, Theodore.
Leslie, John H., II.
Leslie, John H., II, and Crosby.
Marshall, William A., Jr.
Marshall, William A., Jr., and Leslie.
McCullum, Henry J. D.
McCullum, Henry J. De N.
Norman, Horace M.
Palm, George H.
Parrish, William C.
Randall, Ross D.
Tramontini, Vernon N.
Williams, Lynn A., Jr.
Williams, Lynn A., Jr., Marshall, and Gradolph.
- Stewart, Welby E., Indianapolis, Ind., assignor to Radio Corporation of America. Speed control by means of tuning forks. 2,439,065, Apr. 6.
- Stewart, William A., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Protective device. 2,434,084, Jan. 6.
- Stewart, William A., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Apparatus for varying the frequency of resonant cavities. 2,438,768, Mar. 30.
- Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the polymerization of butadiene-1,3 hydrocarbons. 2,451,180, Oct. 12.
- Stewart, William H., and J. W. Millington, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Electromagnetic apparatus for detecting flaws in suspended pipe. 2,435,985, Feb. 17.
- Stewart, Wilson M., Ottawa, Ontario, Canada. Coin controlled vending machine. 2,453,280, Nov. 9.
- Stibitz, George R.: *See*—
McAlpine, Roderick K., Retallack, and Stibitz.
- Stick, John C., Jr.: *See*—
Chun, Melvin E., and Stick.
- Stickel, Ralph T.: *See*—
Pettyjohn, Theodore and Stickel.
- Stickney, Fernald S., West Caldwell, N. J. Motor brush holder connector. 2,454,230, Nov. 16.
- Stieber, Frank C., Marathon, Wis. Adjustable friction supporting device. 2,449,424, Sept. 14.
- Stieger, Philip J., St. Paul, Minn. Garter. 2,449,425, Sept. 14.
- Stienen, Ernest A., Peekskill, N. Y. Valve. 2,442,553, June 1.
- Stiening, Beryl R., assignee: *See*—
Stiening, Frank H.
- Stiening, Frank H., assignor of one-half to B. R. Stiening, Pittsburgh, Pa. Refrigerator. 2,441,376, May 11.
- Stiger Precision Products, Inc., assignee: *See*—
Forsmark, Harold R.
- Stigter, Willem H.: *See*—
Van Weenen, Franciscus L., and Stigter.
- Stigter, Willem H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piezoelectric device for converting pressure variations into potential variations. 2,454,264, Nov. 16.
- Stile, Robert, and P. Eisenberg, Brooklyn, N. Y. Shoe construction. 2,436,458, Feb. 24.
- Stiles, Le Conie, Seattle, Wash. Production of coffee cakes. 2,434,339, Jan. 13.
- Stiles, Richard H., Plainwell, Mich. Lubricator. 2,454,354, Nov. 23.
- Stillbach, Jan H., Woburn, Mass. Cleaning implement. 2,444,758, July 6.

- Stiller, Bertram: *See*—
Shapiro, Maurice M., and Bertram.
- Stiller, Eric T.: *See*—
Gorgy, Paul, Williamson, and Stiller.
Jarowski, Charles I., and Stiller.
Jarowski, Charles I., Stiller, and Williamson.
Mueller, George P., Stiller, and Lieberman.
- Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.
- Stillman, Thomas B.: *See*—
Bailey, Ervin G., Hardgrove, and Stillman.
- Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid separator. 2,434,677, Jan. 20.
- Stillman, William B., and A. B. Scott, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Pharmaceutical jelly. 2,436,184, Feb. 17.
- Stillwagon, Crawford K., assignor to Well Equipment Mfg. Corp., Houston, Tex. Pipe coupling. 2,449,795, Sept. 21.
- Stilwell, Glenn E., Riverside, and G. C. Paxton, Huntington Beach, Calif., assignors to Food Machinery and Chemical Corporation. Nailing machine. 2,456,221, Dec. 14.
- Stilson, Herbert A., Chicago, assignor to McGill Metal Products Corporation, Marengo, Ill. Barrier for animal traps. 2,438,377, Mar. 23.
- Stilwell, William E., Jr., Cincinnati, Ohio. Traffic direction indicator. 2,435,106, Jan. 27.
- Stilwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Combined electromagnetic and thermal circuit breaker. 2,439,402, Apr. 13.
- Stilwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Electromagnetic switch. 2,450,924, Oct. 12.
- Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Electrical measuring instrument. 2,451,886, Oct. 19.
- Stimpson, Edwin G.: *See*—
Weisberg, Samuel M., and Stimpson.
- Stine, Donald G., Mount Carmel, Pa. Explosive projectile. 2,452,269, Oct. 26.
- Stine, Ivan E., and H. A. La Fayette, Los Angeles, Calif. Combination bath and dressing table for infants. 2,456,845, Dec. 21.
- Stinnie, Leslie W., Dallas, Tex. Clothespin. 2,454,723, Nov. 23.
- Stinson, Lawrence W., Tulsa, Okla., assignor to R. M. Wilmotte, Washington, D. C. Radio antenna. 2,441,086, May 4.
- Stirling, Fred G.: *See*—
Nielsen, Niels E., and Stirling.
- Stirton, Robert I., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Catalyst. 2,440,236, Apr. 27.
- Stirton, Robert I., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Dehydrogenation of hydrocarbons by contact with catalysts supported on alumina stabilized by aluminum phosphate. 2,441,297, May 11.
- Stivín, Jiří, Rychnov, Czechoslovakia. Regeneration of electron discharge devices. 2,452,401, Oct. 26.
- Stoate, Norman P., Hampstead Garden Suburb, London, assignor to United Dairies Limited, London, England. Inspection apparatus for transparent vessels. 2,454,411, Nov. 23.
- Stoate, Norman P., Hampstead Garden Suburb, London, assignor to United Dairies Limited, London, England. Inspection apparatus for transparent vessels. 2,454,412, Nov. 23.
- Stobbe, Benjamin B.: *See*—
Sonnett, William J., and Stobbe.
- Stobo Corporation, assignee: *See*—
Prillman, John D.
- Stock, Harry, Minneapolis, Minn. Suction nozzle. Re. 23,035, Aug. 31.
- Stock, Herman E., New Haven, Conn. Billfold having external access means. 2,434,473, Jan. 13.
- Stock, Hubert A., Peterborough, England. Die casting machine. 2,447,101, Aug. 17.
- Stocker, Emil: *See*—
Babey, Charles, Tommen, and Stocker.
- Stockfeth, Alfred: *See*—
Happoldt, William B., Jr., and Stockfeth.
- Stockstiel, Clinton L., assignee: *See*—
Zideck, Ernest E.
- Stockton, Oliver L., Manhattan Beach, Calif., assignor to North American Aviation, Inc. Bomb rack. 2,435,639, Feb. 10.
- Stodola, Edwin K.: *See*—
Lisman, Henry, and Stodola.
- Stodola, Edwin K., Neptune, N. J. Phase and frequency modulation. 2,436,834, Mar. 2.
- Stodola, Edwin K., Neptune, N. J. Modulation system. 2,447,040, Aug. 17.
- Stodola, Edwin K., Neptune, N. J. Modulation networks. 2,448,558, Sept. 7.
- Stodola, Frank H.: *See*—
Lockwood, Lewis B., and Stodola.
- Stockholms Superfosfot Fabriks Aktiebolag, assignee: *See*—
Adler, Erich.
- Stockton, Mason: *See*—
Stockton, William A. and M.
- Stockton, William A. and M., Willows, Calif. Feeder for hay balers. 2,439,152, Apr. 6.
- Stoddard, Howard D., administrator: *See*—
Van Dresser, William C.
- Stoeck, Joseph F., and A. J. Valrose, Chicago, Ill. Portable light. 2,444,540, July 6.
- Stoecklin, Josef, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Differential relay. 2,456,541, Dec. 14.
- Stoeckly, Eugene E., Marblehead, Mass., assignor to General Electric Company. Flexible conduit joint. 2,451,252, Oct. 12.
- Stoick, Reinhold L., Missoula, Mont. Stand for Christmas trees and the like. 2,454,231, Nov. 16.
- Stok-A-Fire Company, Inc.: *See*—
Graham, Roy F.
- Stokes, Edward A., assignor to Yokes Limited, Guildford, England. Porous filter. 2,448,930, Sept. 7.
- Stokes, Richard P.: *See*—
Shanklin, Dunbar L., and Stokes.
- Stokes, Rupert O., London, England. Pulp ejector. 2,438,258, Mar. 23.
- Stokes, Rupert O., London, England. Valve control mechanism for hydraulic classifiers. 2,457,412, Dec. 28.
- Stokes, Rupert O., and G. Kopp, London, England. Vibrator. 2,457,413, Dec. 28.
- Stoll, Arthur, and A. Hofmann, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. d-Lysergic acid diethyl amide. 2,438,259, Mar. 23.
- Stoll, Arthur, and A. Hofmann, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Optically active salts of the lysergic and isolysergic acid derivatives and their preparation and isolation. 2,447,214, Aug. 17.
- Stoll, Henry W., Rochester, N. Y., assignor, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Calibrating means for Pitot Venturi tubes. 2,441,042, May 4.
- Stoller, Irvin A., Latty, Ohio. Honeycomb frame support and spacer. 2,446,346, Aug. 3.
- Stolp, Frank H., Geneva, N. Y. Reversing mechanism. 2,441,854, May 18.
- Stolte, Fred: *See*—
Hartstein, Sidney R., and Stolte.
- Stoltenberg, Delbert H.: *See*—
Middleton, Leslie H., and Stoltenberg.
Utter, Raymond E., and Stoltenberg.
- Stoltenberg, Glenn R., New York, N. Y., and A. P. Colalaco, Wilkinsburg, Pa., assignors, by mesne assignments, to the United States of America, as represented by the United States Atomic Energy Commission. Pump. 2,437,897, Mar. 16.
- Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mechanical shoveling machine. 2,439,912, Apr. 20.
- Stoltz, Glenn E., Pittsburgh 18, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil-bath tin-plate flowing apparatus and the like. 2,434,599, Jan. 13.
- Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transverse flux induction heating apparatus. 2,448,062, Aug. 31.
- Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,454,232, Nov. 16.
- Stolz, Henry, Bound Brook, N. J. Axially shifting type screw shaft actuated tire removing device. 2,446,963, Aug. 10.
- Stolze, William J., Astoria, Long Island, and E. I. Anderson, Manhasset, N. Y., assignors to Radio Corporation of America. Cathode-ray beam deflection system. 2,455,321, Nov. 30.
- Stone, Albert F., and E. A. Hayden, Callahan, Calif. Chain-saw bar conditioner. 2,450,211, Sept. 28.
- Stone, Albert R., Anneslie, Md. Hydraulic system. 2,441,339, May 11.
- Stone, Albert R., Baltimore, Md. Multiple motor. 2,438,686, Mar. 30.
- Stone, Clifford C., assignee: *See*—
Barks, William.
- Stone, Dwight D., Quincy, Mass. Cable sheath cutting knife. 2,442,063, May 25.
- Stone, Edward, San Francisco, Calif. Carton having integrally formed cushioning means. 2,448,401, Aug. 31.
- Stone, Eugene R., Washington, D. C. Violin peg. 2,452,964, Nov. 2.
- Stone, Frank, Lakewood, Ohio. Sewer mole. 2,446,964, Aug. 10.
- Stone, Fred B., Haddon Heights, N. J., assignor to Radio Corporation of America. Signal receiver tuning indicator. 2,451,584, Oct. 19.
- Stone, Jay C., Clayton, Wash. Raker sharpening gauge. 2,438,687, Mar. 30.
- Stone, Joe A., assignee, trustee: *See*—
Schub, Robert I.
- Stone, John M., assignor to Operadio Manufacturing Co., St. Charles, Ill. Protective circuits for electronic equipment. 2,454,618, Nov. 23.
- Stone, Maxwell H., Brooklyn, N. Y. Feeding device for slung spangle machines. 2,442,220, May 25.
- Stone, Raymond, assignor to Americaine, Inc., Chicago, Ill. Benzocaine solution. 2,457,188, Dec. 28.

- Stone, Robert P., Griggstown, N. J., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,445,237, July 13.
- Stone, Roy A.: *See*—
North, Edwin W., and Stone.
- Stone, Roy A., assignor to National Lock Co., Rockford, Ill. Lid and tray supporting hinge. 2,439,494, Apr. 13.
- Stone, Sam H., New York, N. Y. Combination serving, straining, and carving implement. 2,455,623, Dec. 7.
- Stone, William H. G., Tacoma, Wash. Expandable chamber motor with fluid actuated cam controlled inlet and exhaust valves. 2,442,101, May 25.
- Stone, William R., Washington, D. C. Golf club. 1,447,967, Aug. 24.
- Stonebraker, Harold E., Rochester, N. Y. Safety attachment for billfolds. 2,437,566, Mar. 9.
- Stoneman, Robert G.: *See*—
Custin, Thomas G., and Stoneman.
- Stoner, George H., Seattle, Wash., assignor to Boeing Airplane Company. Two-axis rate gyro. 2,452,335, Oct. 26.
- Stoner, Paul E., Jackson, Mich. Accessory stand for cylinder type vacuum cleaners. 2,450,172, Sept. 28.
- Stoops, Chester W., Washington, D. C. Thyatron control servo amplifier. 2,443,644, June 22.
- Stop-Motion Devices Corp., assignee: *See*—
Violandi, Marco.
Vossen, Edward.
- Storck, Clarence E., Jr., Lutherville, Md. Battery connector and fuse. 2,454,487, Nov. 23.
- Storck, Edward A., Manasquan, N. J., assignor to the United States of America, as represented by the Secretary of War. Oscillator structure. 2,440,308, Apr. 27.
- Storck, Frederick W., Arlington, assignor to Standard Duplicating Machines Corporation, Everett, Mass. Clutch control for duplicating machines. 2,442,574, June 1.
- Storer, Richard M., Denver, Colo., assignor to General Motors Corporation, Dayton, Ohio. Ice tray and grid arrangement. 2,438,260, Mar. 23.
- Storer, Richard M., Denver, Colo., assignor to General Motors Corporation, Dayton, Ohio. Mold for freezing liquids and semi-liquids. 2,444,792, July 6.
- Storevik, Rasmus, Brooklyn, N. Y. Pump for clearing water traps. 2,456,092, Dec. 14.
- Storey, O. W. & Associates: *See*—
Ashton, Howard W.
- Storey, Oliver W., assignee: *See*—
Ashton, Howard W.
Burgess, Charles F.
- Storks, Keith H., Basking Ridge, and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating materials and making them. 2,441,603, May 18.
- Storm, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Apparatus for bonding wear-resistant facing elements to machine elements. 2,448,690, Sept. 7.
- Storm, Herbert F., and E. W. Hutton, Schenectady, N. Y., assignors to General Electric Company. Keying control system for oscillators. 2,451,887, Oct. 19.
- Stormberg, Bernard, Kimball, Nebr. Vertically adjustable grain loading screw. 2,434,445, Jan. 13.
- Story, Bertrand W.: *See*—
Fuller, Everett W., White, and Story.
- Story, Carl W., San Francisco, Calif. Tilttable track for motor vehicles or the like. 2,448,197, Aug. 31.
- Story, Fred D., Arkadelphia, Ark. Ratchet ventilator and automatic sash lock. 2,446,144, July 27.
- Stosick, Arthur J.: *See*—
Zwicky, Fritz, Ewing, Carter, and Stosick.
- Stosick, Arthur J., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Fuel combustion. 2,433,932, Jan. 6.
- Stossel, Ernest, New York, N. Y. Producing high melting point. 2,443,840, June 22.
- Stoudt, Bernard, Valley Stream, assignor to Ames Spot Welder Co., Inc., Brooklyn, N. Y. Spot-welding machine. 2,441,043, May 4.
- Stout, Claude S., assignor to Marshall Furnace Co., Marshall, Mich. Air-heating furnaces with selectively controlled radiator structure. 2,439,109, Apr. 6.
- Stout, George P., Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del. Improving mix and drying exteriors of bottles. 2,436,082, Feb. 17.
- Stout, James E., Mount Dora, Fla. Sectional casing. 2,435,371, Feb. 3.
- Stout, Perry R., Washington, D. C., and W. J. Tull, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Conical scanning error reduction device. 2,449,517, Sept. 14.
- Stout, Raymond K.: *See*—
Crane, Carl J., Holloman, Mueller, and Stout.
Paulus, Charles L., and Stout.
- Stout, Raymond K., Dayton, C. W. Muller, Osborn, C. J. Crane and G. V. Holloman, Dayton, Ohio. Automatic miniature radio range for student training. 2,444,477, July 6.
- Stovall, Gertrude, Los Angeles, Calif. Shield. 2,447,215, Aug. 17.
- Stovall, Reyn: *See*—
Kaufman, Philip, and Stovall.
- Stover, Harold D.: *See*—
Baker, John B., and Stover.
Bergstrom, Albert L., and Stover.
- Stover, William A.: *See*—
Meadow, Jacob R., and Stover.
- Stoyke, Ludwig T., assignor to Crane Co., Chicago, Ill. Lift check valve. 2,440,027, Apr. 20.
- Strachan, Ben W.: *See*—
Lindae, William H., and Strachan.
- Strachan, Christopher, Madison, N. J. Sound-trapping muffler construction. 2,445,045, July 13.
- Strachey, Christopher: *See*—
Fremlin, John H., and Strachey.
- Strachovsky, Nikita B., assignor to Lord Manufacturing Company, Erie, Pa. Shaft coupling. 2,457,507, Dec. 28.
- Strader, Spencer R., Hanford, Calif. Tractor-trailer coupling device. 2,448,744, Sept. 7.
- Strain, Daniel E.: *See*—
Dittmar, Harry E., and Strain.
Latham, George H., and Strain.
- Strain, Daniel E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized polymers of ethylene. 2,435,245, Feb. 3.
- Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters. 2,441,298, May 11.
- Strain, Franklin, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Carbonate-haloformate of glycerol and producing same. 2,446,145, July 27.
- Strain, William H., Rochester, N. Y., and J. Dec, Martinsville, N. J., assignors to Eastman Kodak Company, Rochester, N. Y. N (β -hydroxy ethyl)-tetraiodophthalimide. 2,451,637, Oct. 19.
- Straits, Lloyd A.: *See*—
Craig, Edward C., and Straits.
- Strand, Alfred G., Longmont, Colo. Sanding disk. 2,447,102, Aug. 17.
- Strand, John: *See*—
Bryant, Newton W., Crump, Dungan, and Strand.
- Strand, Oliver T., Jr.: *See*—
Arnold, David C., Strand, and Lewis.
- Strandhagen, Harry I., Fort Lauderdale, Fla., assignor, by mesne assignments, of one-half to Bassett Research Corporation. Body restraint for infants. 2,456,898, Dec. 21.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Laterally adjustable gang plow. 2,438,625, Mar. 30.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Convertible disk plow. 2,456,465, Dec. 14.
- Strandskov, Fred B.: *See*—
Marks, Henry C., and Strandskov.
- Strang, John M., and J. H. Bull, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Rangefinder, heightfinder, and like optical observation instrument. 2,446,726, Aug. 10.
- Strange, Charles H., assignee: *See*—
Kane, Irwin M.
- Stransky, Joseph, Chilton, Wis. Milk bottle utility device. 2,438,024, Mar. 16.
- Strassburg, Roger W., Minneapolis, Minn., assignor to United States Rubber Company, New York, N. Y. Preparation of esters. 2,446,114, July 27.
- Straszer, Walter C., Los Angeles, Calif. Attachment in laundry marking machine. 2,435,851, Feb. 10.
- Strate, Carl F., Chicago, Ill. Device for computing lapse of time. 2,437,621, Mar. 9.
- Stratford Development Corporation, assignee: *See*—
Putney, David H.
- Strattman, Edwin A., New Orleans, La. Spirally contractable mop wringing attachment for scrub buckets. 2,447,917, Aug. 24.
- Stratton, Frank E.: *See*—
Chase, Ernest E., Nokes, Stratton, and Goodhue.
- Stratton, Frank E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Indexing mechanisms. 2,443,278, June 15.
- Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,442,518, June 1.
- Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric regulator. 2,452,611, Nov. 2.
- Stratton, William D., Paterson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filamentary electrode mounting for electronic devices. 2,445,411, July 20.
- Straub, Fritz, Kaiseraugst, and J. Brassel and P. Pieth, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyes from dihydroxy benzidine. 2,439,153, Apr. 6.
- Straub, Fritz, Kaiseraugst, W. Widmer, Bottmingen, and H. Schneider, Riehen, Switzerland, assignors to Ciba Limited. Metallizable monoazo dyes. 2,452,171, Oct. 26.
- Strauss, Alfred, and E. G. Feltman, Chicago, and M. M. Hunt, Park Ridge, and W. D. Harbaugh, Evanston, Ill., assignors to A. F. Dormeyer Mfg. Co. Food processor gearing. 2,438,465, Mar. 23.
- Strauss, Carol L., Bangor, Maine. Support for bed lamps. 2,449,426, Sept. 14.
- Strauss, Harold E., and A. Simon, Fall City, Nebr. Electric fence post and insulator. 2,445,009, July 13.

- Strauss, Margaret B., New York, N. Y. Reaction products of pyridine and allergenic extracts of plants of the genus *rhus*. 2,456,750, Dec. 21.
- Strauss, Morris, Brooklyn, N. Y. Third dimension animated display device, including movable frames. 2,449,825, Sept. 21.
- Straussler, Nicholas, London, England. Valve for controlling supply of liquid under pressure. 2,436,680, Feb. 24.
- Straw, Clayton, Henniker, assignor to Kingsbury & Davis Machine Company, Contoocook, N. H. Box stacker. 2,452,020, Oct. 19.
- Streamline Plastics Company, assignee: *See*—Brenner, Harry.
- Streat, Lyon P., Montreal, Quebec, Canada, assignor, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y. Oral fluoride-vitamin preparation. 2,449,184, Sept. 14.
- Strebinger, Richard R., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,452,698, Nov. 2.
- Street, Jabez C., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Vacuum tube amplifier. 2,435,331, Feb. 3.
- Streeter, Edward C., Jr.: *See*—Ayres, Waldemar A., and Streeter.
- Streets, James E., Jr., Charleston, S. C. Combination square. 2,446,561, Aug. 10.
- Streff, Joseph M., Topeka, Kans. Toy ferris wheel. 2,451,585, Oct. 19.
- Strehan, George E.: *See*—Donahue, John S., and Strehan.
- Streich, Paul B., Maywood, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Sheet separating device. 2,441,912, May 18.
- Strezynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Apparatus for use in the centrifugal separation of serum from cheese constituents. 2,436,498, Feb. 24.
- Stribley, Arthur F., Jr.: *See*—Farkas, Adalbert, and Stribley.
- Stribley, Josephine M.: *See*—Lake, George R., and Stribley.
- Strickland, Edwin L., Richmond, Calif. Pneumatic artificial foot. 2,442,151, May 25.
- Strickland, Elwin M., Detroit, Mich. Universal support for article holders. 2,444,541, July 6.
- Strickland, George M., and A. McGill, Daytona Beach, Fla. Warning signaling apparatus. 2,440,453, Apr. 27.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Capacitor translating system. 2,440,309, Apr. 27.
- Strickland, Harold A., Jr., Grosse Pointe Park, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Multiple furnace control. 2,451,518, Oct. 19.
- Strickland, Howard L., Clinton, S. C. Film spool switch. 2,451,256, Oct. 12.
- Strickland, Royce M., assignor to The Geometric Tool Company, New Haven, Conn. Collapsing tap. 2,438,626, Mar. 30.
- Strickland, Thomas B., Animas, N. Mex. Counterbalancing attachment for pumps. 2,452,802, Nov. 2.
- Strickler, John F., Jr., Williamsville, and S. K. Edelson, Niagara Falls, assignors to Bell Aircraft Corporation, Wheatfield, Niagara County, N. Y. Engine lubrication system. 2,453,602, Nov. 9.
- Stricklin, Darwin B., Milwaukee, Wis. Pump construction. 2,456,339, Dec. 14.
- Stricklin, Travie W., Gordon Heights, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Joint fillers. 2,446,251, Aug. 3.
- Strid, Carl J., La Canada, Calif., assignor to Adel Precision Products Corp. Valve. 2,451,586, Oct. 19.
- Strike, George N., Los Angeles, Calif. Valve. 2,439,110, Apr. 6.
- Strike, Louis N., assignee: *See*—Pearson, Otto H.
- Stringe, Jack W., Oak Park, Ill. Trimming apparatus. 2,452,402, Oct. 26.
- Stringer, Leslie E., assignee: *See*—Siefert, John T.
- Stringfield, Kenneth, assignee: *See*—Renken, Harm L.
- Stringfield, Raymond B., Los Angeles, Calif., and T. R. Miles, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Translucent sheet for reproduction purposes. 2,451,126, Oct. 12.
- Stringham, Leonidas K., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Flux for use in arc welding. 2,435,852, Feb. 10.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control for fuel burners. 2,445,841, July 27.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,452,336, Oct. 26.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control system for fuel burners. 2,454,848, Nov. 30.
- Strobel, Charles K., and S. J. Lakota, Pittsburgh, Pa., assignors to Robertshaw-Fulton Controls Company. Safety control apparatus for fuel burners. 2,448,475, Aug. 31.
- Strock, Donald V., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Drawbench. 2,446,438, Aug. 3.
- Stroll, Alfred E., Brookline, Mass. Permanent waving apparatus. 2,440,188, Apr. 20.
- Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,439,952, Apr. 20.
- Strom, Albert P., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,449,518, Sept. 14.
- Strom, Albert P., Forest Hills, and T. E. Browne, Jr., Wilkensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,447,674, Aug. 24.
- Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Clamping machine parts to beds. 2,438,235, Mar. 23.
- Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Lead screw nut construction for lathes and the like. 2,438,236, Mar. 23.
- Strom, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Apparatus for high-frequency induction heating. 2,452,801, Nov. 2.
- Strom, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. Apparatus for heat-treating metal parts. 2,455,822, Dec. 7.
- Stroman, Jack L., Elmwood Park, assignor to The Petersen Oven Company, Chicago, Ill. Metal furnace. 2,455,531, Dec. 7.
- Stromberg-Carlson Company, assignee: *See*—Dewar, James R. Edgerton, Frank. Goldberg, Harold. Powell, Winfred T. Slaymaker, Frank H.
- Stromelly, Joseph A., New York, N. Y. Earring clamp. 2,446,252, Aug. 3.
- Stromeyer, Charles F., Marblehead, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Ageing tubes having space charge grid. 2,435,475, Feb. 3.
- Stromeyer, Charles F., Marblehead, Mass., assignor, by mesne assignments, to Remco Electronic, Inc., New York, N. Y. Symmetrical space charge tube. 2,441,254, May 11.
- Strong, Charles E.: *See*—Earp, Charles W., and Strong.
- Strong, Cole, Estancia, N. Mex. Grease gun filler. 2,456,751, Dec. 21.
- Strong, Elbie C., Long Island City, and L. M. Clark, Tuckahoe, assignors, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Control apparatus. 2,438,352, Mar. 23.
- Strong, John D., Baltimore, Md., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Use of silicon compounds in producing quartz coatings in a vacuum. 2,456,899, Dec. 21.
- Strother, Fred P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscope construction. 2,446,727, Aug. 10.
- Strother, Fred P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat with rectilinear slide. 2,457,095, Dec. 21.
- Strott, Robert E., East Templeton, assignor to Thayer Company, Gardner, Mass. Carriage hood construction. 2,440,126, Apr. 20.
- Stroup, Charles L., Oak Park, Ill. Electric circuit interrupter. 2,454,849, Nov. 30.
- Stroupe, James D.: *See*—Hurd, Loren C., Vander Weyden, and Stroupe.
- Strozinski, Anthony J., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation. Bobbin holder. 2,445,542, July 20.
- Strub, René, La Chaux-de-Fonds, Switzerland. Turbine rotor and its method of manufacture. 2,450,493, Oct. 5.
- Strubble, Donald L., Marshall, Mich. Scraping implement. 2,449,092, Sept. 14.
- Struckmann, Holger, Riverside, Calif. Conveying pulverized material. 2,448,745, Sept. 7.
- Strumia, Max M., Penn Valley, Pa., assignor to the United States of America, as represented by Director of the Office of Scientific Research and Development. Method and means for preservation of blood plasma and the like by freezing and drying. 2,441,730, May 18.
- Strumor, Mathew A., Brooklyn, N. Y. Bouncing whistling toy. 2,446,439, Aug. 3.
- Strumor, Mathew A., Brooklyn, N. Y. Picture projecting pistol. 2,454,233, Nov. 16.
- Strunk, Gilbert: *See*—Hursey, Willis E., and Strunk.
- Strunk, Kenith G., East Orange, and T. A. Lelek, Bloomfield, assignors to Breeze Corporations, Inc., Newark, N. J. Adjustable cam actuator. 2,450,311, Sept. 28.
- Strutt, Maximilian J. O.: *See*—Van Der Ziel, Aldert, and Strutt.
- Strutt, Maximilian J. O., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Circuit arrangement for ultra short waves. 2,434,474, Jan. 13.

- Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifying circuit arrangement for ultra high frequencies. 2,434,295, Jan. 13.
- Strutt, Maximiliaan J. O., A. van der Ziel, and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn. Circuit arrangement for amplifying or generating ultra high frequency oscillation. 2,439,638, Apr. 13.
- Strutt, Maximiliaan J. O., and A. Van Der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency changing circuits. 2,441,452, May 11.
- Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for transmitting high-frequency electric oscillations. 2,447,438, Aug. 17.
- Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for the amplification, frequency-transformation, or production of ultra high frequency oscillations. 2,452,337, Oct. 26.
- Stryker, Charles R.: *See*—
Simard, Gerald L., and Stryker.
Stamm, Robert F., Mariner, Barnes, and Stryker.
- Stryker, Robert D., Collins, Ohio. Skid runner attachment for vehicles. 2,437,622, Mar. 9.
- Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Induction system. 2,439,701, Apr. 13.
- Stuart, Alfred A., Jr., Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Cathode-ray phase indicator. 2,439,877, Apr. 20.
- Stuart, Alfred H.: *See*—
Tallman, Ralph C., and Stuart.
- Stuart, Clarence C., Pontiac, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Dunnage for airplane parts. 2,443,523, June 15.
- Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Trailer. 2,452,270, Oct. 26.
- Stuart, Fred W., Cincinnati, Ohio. Refrigerator provided with a refrigerated drawer. 2,450,844, Oct. 5.
- Stuart, Joseph, II, Wilmington, Del., assignor, by mesne assignments, to United States of America, as represented by the Secretary of War. Extrusion machine seal. 2,443,586, June 15.
- Stuart, Joseph, II, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Die assembly. 2,449,625, Sept. 21.
- Stuart, Kenneth E., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Electrolytic alkali chlorine cells. 2,447,547, Aug. 24.
- Stubblebine, Warren: *See*—
Bare, Martin K., and Stubblebine.
- Stubbs, Robert E., Duluth, Minn. Combined table and ironing board. 2,447,480, Aug. 17.
- Stucke, John, Philadelphia, Pa. Internal-combustion engine. 2,433,933, Jan. 6.
- Stuckert, Felix J., Wauwatosa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Die-cast piston. 2,438,585, Mar. 30.
- Stuckey, Warren A., and M. Gregurich, assignors to The Moore Corporation, Joliet, Ill. Smokeless heater for burning coal and other solid fuel. 2,456,570, Dec. 14.
- Studebaker Corporation, The, assignee: *See*—
Casper, Dale L.
Greenlee, Harry R.
Reichman, Alexander.
Runkle, Lorin R.
Scogland, Charles A.
White, Eber B.
- Studler, René R., Washington, D. C. Cartridge belt link. 2,451,519, Oct. 19.
- Stuewe, Clarence C., Cleveland, Ohio. Stapling machine. 2,457,006, Dec. 21.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Switch control mechanism for meat tendering apparatus. 2,452,403, Oct. 26.
- Stukes, Horace A., assignor to J. J. Lawson, San Antonio, Tex. Window closing attachment. 2,441,230, May 11.
- Stulen, Foster B., West Orange, N. J., assignor to Curtiss-Wright Corporation. Producing propeller blades. 2,440,127, Apr. 20.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article forming apparatus. 2,456,222, Dec. 14.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming glass beads on metallic elements. 2,439,437, Apr. 13.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming terminal ends of coils. 2,456,223, Dec. 14.
- Stultz, Posy G., Roanoke, Va., assignor to C. M. O'Boyle, Wilmington, Del. Car end straightener adjusting truck. 2,443,931, June 22.
- Stunkel, Werner W., assignor to B. J. Audette, Chicago, Ill., doing business as Benmatt Organization. Sealing device. 2,443,749, June 22.
- Stupakoff Ceramic & Manufacturing Co., assignee: *See*—
Stupakoff, Semon H., Stark, and Henry.
- Stupakoff Ceramic & Manufacturing Company, assignee: *See*—
Tell, Alta W.
- Stupakoff, Semon H., Latrobe, R. E. Stark, Greensburg, and O. J. Henry, Jeannette, assignors to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Multiple drill. 2,443,655, June 22.
- Sturgess, Wayne, Salem, Oreg. Projector slide viewer. 2,445,929, July 27.
- Sturgis Products Company, The, assignee: *See*—
Castle, Carl H.
- Sturm, Milton & Company, assignee: *See*—
Burlin, Leslie H.
- Sturm, Ralph E., assignor to The Burdick Corporation, Milton, Wis. Heart beat rate indicating apparatus. 2,439,495, Apr. 13.
- Sturm, Ralph E., assignor to The Burdick Corporation, Milton, Wis. Instrument useful in the analysis of vibrations in organized living tissue. 2,457,744, Dec. 28.
- Sturmev-Archer Gears Limited, assignee: *See*—
Brown, William.
- Sturrock, Murray G., T. Lawe, and W. E. Kemp, assignors to Dominion Tar & Chemical Company, Limited, Montreal, Quebec, Canada. Diaryl paraffins and their production. 2,439,228, Apr. 6.
- Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Inflatable container and pack therefor. 2,444,859, July 6.
- Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Salvage apparatus. 2,451,002, Oct. 12.
- Sturz, Bernard V., Mountain Lakes, N. J., assignor to David D. Doniger & Company, Inc., New York, N. Y. Composite sport coat or the like. 2,441,122, May 4.
- Sturz, Bernard V., Mountain Lakes, N. J., assignor to David D. Doniger & Co., Inc., New York, N. Y. Shoulder pad assembly. 2,445,646, July 20.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device containing perforated starting electrodes. 2,435,246, Feb. 3.
- Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Control circuit for gas discharge tubes. 2,436,835, Mar. 2.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,443,205, June 15.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode structure for electrical gaseous discharge tubes. 2,444,962, July 13.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Starting circuit for gaseous discharge devices. 2,446,199, Aug. 3.
- Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electron discharge tube. 2,448,559, Sept. 7.
- Stutsman, Paul W., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous electrical space discharge devices and circuits therefor. 2,444,072, June 29.
- Stynler, Frederic E., New York, N. Y. Apparatus for dustless treating of material. 2,444,383, June 29.
- Submarine Signal Company, assignee: *See*—
Anderson, Albert E.
Beechlyn, John T.
Benloff, Hugo.
Clement, Ivan C.
Curtis, Richard P.
Grabau, William C.
Hubbard, Beverly R.
Peterson, Robert E.
Smith, Edward W.
Turner, Edwin E., Jr.
Waterman, Charles H.
- Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Timing valve for track sanders. 2,435,372, Feb. 3.
- Sudhoff, Roy W.: *See*—
Hochwalt, Carroll A., Stehman, and Sudhoff.
- Sudiah, Esther, and R. Sudiah, deceased; Brooklyn, N. Y., by E. Sudiah legal representative. Self-adjustable shoe upper. 2,452,803, Nov. 2.
- Sudiah, Rachel, deceased: *See*—
Sudiah, Esther and R.
- Sudlow, Fred E., assignee: *See*—
Holsclaw, Neil.
- Sues, Carl B., Los Angeles, Calif. Two-cycle engine, combined pump and motor cylinder. 2,447,041, Aug. 17.
- Suess, Julius J., West Allis, Wis. Convertible vehicle drawbar. 2,457,745, Dec. 28.
- Suffko, Stanley, Chicago, Ill. Glove turning machine. 2,434,816, Jan. 20.
- Sugar Creek Creamery Company, assignee: *See*—
Erickson, James S.
- Sugg, Wiley, Greenville, Ill. Gate holder. 2,443,279, June 15.
- Suggate, Harold G.: *See*—
Kendall, John D., and Suggate.
Kendall, John D., Suggate, and Wood.

- Suggs, Dalton B., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Oil temperature controlling apparatus for pusher type airplanes. 2,434,085, Jan. 6.
- Suggs, Dalton B., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane engine nacelle. 2,435,168, Jan. 27.
- Suggs, Thomas F., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Beaming apparatus. 2,443,014, June 8.
- Suire, Maurice J., Paris, France. Machine for grinding bevel gears. 2,442,734, June 1.
- Sukumlyn, Thomas W., Los Angeles, Calif. Light modulation by variable transmissivity receiver screen. 2,454,488, Nov. 23.
- Sulfit Aktiebolaget Göta, assignee: *See*—
Melander, Karl H. A., Sävö, and Johanson.
- Sulfrian, Gerard F.: *See*—
Paul, Richard, and Sulfrian.
- Sulfrian, Gerard F., assignor to Hofman Laboratories, Inc., Newark, N. J. Thermally insulated container with radiation shield and energy absorber. 2,453,946, Nov. 16.
- Sullinger, Francis E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,462,081, Oct. 26.
- Sullivan, David J.: *See*—
Plass, Curtis E., and Sullivan.
- Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Pressure cooker. 2,440,128, Apr. 20.
- Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Coffee maker. 2,445,591, July 20.
- Sullivan, Francis M., North Bergen, N. J. Treating edible oils. 2,441,923, May 18.
- Sullivan, Franklin S., Farmington, assignor to General Motors Corporation, Detroit, Mich. Material supporting pallet. 2,455,197, Nov. 30.
- Sullivan, George W., Hamilton, Mont. Fish lure. 2,443,124, June 8.
- Sullivan, Harold J., Cranford, and E. G. F. Arnott, Upper Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spark-gap device and electrode therefor. 2,456,900, Dec. 21.
- Sullivan, Harry G., De Land, Fla., assignor to Merchandising Engineers, Inc., Detroit, Mich. Electrical connector. 2,434,475, Jan. 13.
- Sullivan, Harry H. and W. L., and F. G. Wilde, assignors to Paragon-Revolute Corporation, Rochester, N. Y. Developing machine. 2,442,941, June 8.
- Sullivan, Jerry J., Huntington Park, Calif. Spanner wrench with means to grip the inner surface of pulley rims. 2,454,489, Nov. 23.
- Sullivan, John F., assignee: *See*—
Bryant, Leland A.
- Sullivan, John J., Arlington, assignor of one-half to L. L. Witter, Boston, Mass. Pouring carton. 2,436,981, Mar. 2.
- Sullivan, Norman M., Kent, Ohio. Overhead conveyer mechanism. 2,456,224, Dec. 14.
- Sullivan, Warren L.: *See*—
Sullivan, Harry H. and W. L., and Wilde.
- Sully, Wilbur F.: *See*—
Milliholland, Raymond A., and Sully.
- Sulphite Products Corporation, assignee: *See*—
Lewis, Harry F., and Pearl.
- Pearl, Irwin A.
- Sulprizio, Deuta, Oakland, Calif. Machine construction. 2,452,804, Nov. 2.
- Sulprizio, Deuta, Oakland, Calif. Bearing for spindles and the like. 2,452,965, Nov. 2.
- Sulzbacher, Max.: *See*—
Bergmann, Ernst, and Sulzbacher.
- Sulzer Freres, Societe Anonyme, assignee: *See*—
Atteslander, Edouard.
- Kilchenmann, Walter.
- Liebherr, Hans.
- Schläpfer, Oscar.
- Schlappfer, Oscar.
- Steiner, Hans.
- Traupel, Walter.
- Wiesendanger, Fritz.
- Zollikofer, Otto.
- Suman, Frank R., Jr.: *See*—
Laying, Edwin T., and Suman, Jr.
- Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Dehydrogenation process. 2,436,616, Feb. 24.
- Summer, Harry, Brooklyn, N. Y. Stencil and work holder for multicolor printings. 2,444,860, July 6.
- Summerbell, William, Washington, D. C. Breech operating mechanism. 2,434,970, Jan. 27.
- Summerbell, William, Washington, D. C. Extractors for guns with vertically sliding breech blocks. 2,435,247, Feb. 3.
- Summerbell, William, Washington, D. C. Gun tubes, breech rings and coupling means therefor. 2,445,339, July 20.
- Summers, Caleb E., Orchard Lake, Mich. Internal-combustion engine. 2,435,659, Feb. 10.
- Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Magnetic testing apparatus and method. 2,440,984, May 4.
- Summers, Frank C., Bethesda, Md. Connecting together building blocks, and other building units. 2,442,184, May 25.
- Summers, J. Mills, Englewood, N. J., assignor to Camloc Fastener Corporation, New York, N. Y. Lock nut. 2,438,077, Mar. 16.
- Summers, Orran B., Morenci, Ariz. Internal-combustion power unit having a rotor with pivoted impulse element. 2,435,476, Feb. 3.
- Summers, Otto M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Seal. 2,443,332, June 15.
- Summers, Thomas O., Jr., Los Angeles, Calif. Gyroscopic flight indicating instrument. 2,437,175, Mar. 2.
- Summers, William B., Buffalo, and W. A. Corse, Snyder, assignors to The Carborundum Company, Niagara Falls, N. Y. Joint for abrasive belts or bands. 2,445,807, July 27.
- Summersett, Everett E., Hollywood, Fla. Circuit control means for motor vehicles. 2,449,338, Sept. 14.
- Sumner, Columbus C., Elon College, N. C. Method and apparatus for stripping yarn packages. 2,453,603, Nov. 9.
- Sumter, Chester, Knoxville, Tenn. Battery carrier. 2,435,549, Feb. 3.
- Sun Chemical Corporation, assignee: *See*—
Daniel, Frederick K.
- Denton, Richard A.
- Kaplan, William.
- Popkin, Alexander H.
- Wekeman, Stephen N.
- Wendt, Gerald L.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluoroborate glass. 2,456,033, Dec. 14.
- Sun, Kuan-Han, and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Silicoborate glass. 2,439,192, Apr. 6.
- Sun Oil Company, assignee: *See*—
Barnes, William E.
- Bates, John R.
- Bruun, Johannes H., and Perrine.
- Dupler, Raymond R.
- Hetzel, Stanford J., and Kennedy.
- Hirschler, Alfred E.
- Johnson, Herbert L.
- Kennedy, Robert M.
- Kennedy, Robert M., and Hetzel.
- Kurtz, Stewart S., Jr., and Sweely.
- Lipkin, Moses R.
- Lipkin, Moses R., and Hirschler.
- Oxford, William F., Jr.
- Popkin, Alexander H.
- Stewart, William H., and Millington.
- Vose, Richard S.
- Sun Shipbuilding & Dry Dock Company, assignee: *See*—
Burke, Richard L.
- Sunbeam Corporation, assignee: *See*—
Koci, Ludvik J.
- Storm, Herbert F.
- Sundby, Harold C., assignor of one-half to T. Y. Olsen, Philadelphia, Pa. Lighter. 2,437,623, Mar. 9.
- Sundel, Alexander, assignee: *See*—
Sundel, Samuel.
- Sundel, Samuel, Philadelphia, Pa., assignor of one-half to A. Sundel and one-half to C. Bastis, New York, N. Y. Portable alarm. 2,454,234, Nov. 16.
- Sundell, Carl H., Ithaca, N. Y. Socket connection for radio tubes. 2,439,589, Apr. 13.
- Sundeen, Ray A., Valparaiso, Ind. Adjustable scaffold. 2,448,746, Sept. 7.
- Sundholm, Edwin P., Albert City, Iowa. Grease-gun head construction. 2,436,701, Feb. 24.
- Sundstrand Machine Tool Co., assignee: *See*—
Holmstrom, Carl L.
- Ogren, Sexten P. F.
- Wahlmark, Gunnar A.
- Sundstrom, Savin L.: *See*—
Buttner, William C., and Sundstrom.
- Sun-Fire Stoker Corporation, assignee: *See*—
Robinson, James D.
- Sun-Kraft, Inc., assignee: *See*—
Atkins, Carl E.
- Sunser, Marguerite H., Pittsburgh, Pa. Child's garment. 2,446,394, Aug. 3.
- Sunshine Mining Company, assignee: *See*—
Goetz, Alexander.
- Sunstein, David E.: *See*—
Ames, Millard E., Jr., and Sunstein.
- Tiley, John W., and Sunstein.
- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Recording apparatus. 2,436,235, Feb. 17.
- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Saw-tooth generator with automatic amplitude control. 2,448,070, Aug. 31.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Electric motor control system. 2,454,355, Nov. 23.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Light responsive displacement indicator. 2,455,532, Dec. 7.

- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Variable time delay electronic apparatus. 2,456,466, Dec. 14.
- Sun-Vic Controls Limited, assignee: *See*—
Davis, Neville R.
- Super, Ralph K.: *See*—
Buckendale, Lawrence R., and Super.
- Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H., and Fontozzi.
Metzger, Leopold H., and Muse.
Metzger, Leopold H., Muse, and Pease.
- Super Mold Corporation of California, assignee: *See*—
Glynn, Edwin A.
- Super-Seal Container Corporation, assignee: *See*—
Glocker, Gustave.
- Super Speed Press Corporation, assignee: *See*—
Hoopes, Penrose R.
- Super Treat, Inc., assignee: *See*—
Nelson, Arthur L.
- Superba Manufacturing Co., Inc., assignee: *See*—
Katz, Julius, and Majoros.
- Superheater Company, The, assignee: *See*—
Attischuler, William H.
Smith, Frank W.
- Superior Appliance Company, The, assignee: *See*—
Friegel, August R.
- Superior Coach Corporation, assignee: *See*—
Schofield, Earl L.
- Superior Concrete Accessories, assignee: *See*—
Hillberg, Bror.
- Superior Separator Company, assignee: *See*—
Peterson, William J.
- Superior Steel Corporation, assignee: *See*—
Porter, Robert.
- Supervision, Incorporated, assignee: *See*—
Dobie, George N., Jr.
- Supple, Gilbert, Waban, Mass. Sole for footwear. 2,440,705, May 4.
- Supply, His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, Minister of, assignee: *See*—
Osborne, Ronald R., and Dunsford.
Pollard, Philip E.
- Supply, In His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, Minister of, assignee: *See*—
Jones, Frank L.
- Supply, Minister of, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Jones, Frank L.
- Surface Combustion Corporation, assignee: *See*—
Hodli, Ralph W.
Trimble, John I., and Myler.
Turin, John J., and Hanna.
- Surgical Products, Inc., assignee: *See*—
Reed, Norman B.
- Surgical Specialties Corporation, assignee: *See*—
Hopkins, Heywood H.
- Surk, Frank J., Menominee, Mich. Cable splicing vise. 2,448,636, Sept. 7.
- Surmatis, Joseph D., Nutley, N. J., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Resolution of racemic tartaric acid. 2,456,752, Dec. 21.
- Susen, Theodore A., assignor to Phoenix Dye Works, Chicago, Ill. Knitting machine. 2,447,103, Aug. 17.
- Susi, Frank, Bronx, N. Y. Hair curling device. 2,457,414, Dec. 28.
- Suskind, Joseph, Newport News, Va. Door mat. 2,449,796, Sept. 21.
- Sussenbach, Paul, assignor to The Presstite Engineering Company, St. Louis, Mo. Composition of matter for sealing spot-welded joints. 2,452,805, Nov. 2.
- Sussin, David, South Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. X-ray rectifying mechanism. 2,450,530, Oct. 5.
- Sussky, William C.: *See*—
Bliss, Harding, and Sussky.
- Sussman, Julius L., New York, N. Y. Shaping metal articles. 2,441,517, May 11.
- Sussman, Sidney, Moorestown, N. J., assignor to The Permutit Company, New York, N. Y. Anion exchange resins. 2,442,989, June 8.
- Suter, Chester M.: *See*—
Albertson, Nole F., Archer, and Suter.
- Suter, Chester M., Albany, N. Y., and A. W. Weston, Waukegan, Ill., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation of arylaliphatic amines. 2,441,518, May 11.
- Suter, Chester M., Albany, N. Y. Preparation of phenylalkylamines with excess condensing agent. 2,443,206, June 15.
- Suter, Menno R., Harrisonburg, Va. Carbon holder. 2,439,874, Apr. 20.
- Suthann, Robert A., Los Angeles, Calif. Magazine type camera. 2,449,626, Sept. 21.
- Sutherland, Brian P., Rossland, British Columbia, J. R. Thompson and C. H. Simpkinson, Trail, British Columbia, and D. D. Morris, Calgary, Alberta, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Electrolytic production of hydrogen and oxygen. 2,433,871, Jan. 6.
- Sutherland, Carl H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double electric motor driving means. 2,451,990, Oct. 19.
- Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric terminal receptacle. 2,453,045, Nov. 2.
- Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric range surface unit. 2,457,007, Dec. 21.
- Sutherland, Eugene B., assignor to Seely Instrument Co., Inc., Akron, Ohio. Time cycle controller. 2,438,724, Mar. 30.
- Sutherland, Leslie T., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Compounding butadiene-acrylonitrile copolymer with an alcohol ester of a mono-alkenyl substituted succinic acid. 2,435,853, Feb. 10.
- Sutherland, Leslie T., Yonkers, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Vinyl resins containing alkenyl succinic esters and making. 2,440,985, May 4.
- Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.
- Sutherland, Robert E., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,436,944, Mar. 2.
- Sutker, Irving, Brooklyn, N. Y. Work-holding and guiding mechanism for sewing machines. 2,437,624, Mar. 9.
- Sutphen, Henry R., New York, N. Y. Collapsible golf cart. 2,438,078, Mar. 16.
- Sutter, Erwin L., Sharon, assignor to Tobe Deutschmann Corporation, Canton, Mass. Ballast unit. 2,441,213, May 11.
- Sutter, Paul: *See*—
Kern, Walter, Sutter, Moergeli, and Holbro.
- Sutter, Theodor: *See*—
Widmer, Gustav, Sutter, Fisch, and Hochuli.
- Suttles, Omar, Los Angeles, Calif. Caster suspending and cushioning device. 2,442,831, June 8.
- Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Belt tightening and tracking device. 2,449,519, Sept. 14.
- Sutton Engineering Company, assignee: *See*—
Sutton, John B.
- Sutton, John B., Bellefonte, assignor to Sutton Engineering Company, Pittsburgh, Pa. Round straightener. 2,455,391, Dec. 7.
- Sutton, Leo: *See*—
Edel, Robert O., and Sutton.
- Sutton, Otis B., assignor to The Hoover Company, North Canton, Ohio. Two temperature intermittent type absorption refrigerator. 2,435,107, Jan. 27.
- Sutton, Otis B., assignor to The Hoover Company, North Canton, Ohio. Two temperature absorption refrigerating apparatus and method. 2,436,945, Mar. 2.
- Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,452,699, Nov. 2.
- Sutton Patents, Inc., assignee: *See*—
Lermont, Basil.
- Sutton, Rufus C., Pittsburgh, Pa. Control for electric track switches. 2,441,340, May 11.
- Sutton, Willard J., Gary, Ind. Welding jig for broken drills. 2,453,046, Nov. 2.
- Suydam, Edward C., Los Angeles, Calif. Photographic plate and film holder. 2,451,638, Oct. 19.
- Suydam, Joseph W., Blue Point, N. Y. Electric motor. Re. 23,021, July 27.
- Suydam, Norman, Toledo, Ohio. Moving target machine. 2,456,034, Dec. 14.
- Svaicari, Tacito: *See*—
Agullar, Ramon, and Svaicari.
- Svensden, Edward C., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Creaming of synthetic rubber latices. 2,446,115, July 27.
- Svenska Akkumulator Aktiebolaget Jungner, assignee: *See*—
Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Ansar, Anders J.
Granqvist, Carl-Erik.
Öhman, Karl Y.
- Svenska Cellulosa Aktiebolaget, assignee: *See*—
Schibbye, Lauritz B.
- Svensson, Aron B., Filipstad, Sweden. Machine for making crisp bread. 2,439,993, Apr. 20.
- Svensson, Aron B., Filipstad, Sweden. Machine for making crisp bread. 2,441,731, May 18.
- Svensson, Rolf A., and H. O. Karlström, Stockholm, Sweden. Selecting finger for crossbar switches. 2,434,373, Jan. 13.
- Svet, Tony, Cleveland, Ohio. Welding torch. 2,436,617, Feb. 24.
- Svoboda, Theodore, Fairbury, Nebr. Clock-controlled switch. 2,436,906, Mar. 2.
- Swafford, Luther B., England, Ark. Cotton chopper with burners. 2,456,901, Dec. 21.
- Swain, Frank E., Ewell, assignor of one-half to D. Darby, Northwood, Middlesex, England. Pipe coupling. 2,448,747, Sept. 7.
- Swain, George M., Toronto, Ontario, Canada. Baby carriage skis. 2,443,699, June 22.

- Swain, Robert R.: *See*—
Waller, Fred, Dresser, and Swain.
- Swalinkovich, Joseph E., Jr., Robbinsdale, and J. T. Donovan, Minneapolis, Minn.; said Donovan assignor to said Swalinkovich. Adjustable clothesline prop. 2,455,448, Dec. 7.
- Swallow, Herbert A., Plainfield, N. J., assignor to Bakelite Corporation. Apparatus for pressing plastic sheeting. 2,442,443, June 1.
- Swallow, Herbert A., and T. A. De Vilbiss, Plainfield, N. J., assignors to Bakelite Corporation. Automatic pressure sealing device. 2,446,620, Aug. 10.
- Swanee, Elmo E., San Francisco, assignor of two-thirds to M. C. Kidder, Los Angeles, Calif. Car wheel grinder. 2,456,753, Dec. 21.
- Swaney, Miller W.: *See*—
Morrell, Charles E., and Swaney.
- Swank, Howard W., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for producing and stretching artificial yarn. 2,440,226, Apr. 20.
- Swank, Inc., assignee: *See*—
Bagnall, Joseph C., Jr.
Biagi, Leon J.
Howard, Viola T.
- Swann, Carl C., Kingsport, Tenn., assignor to Owens-Corning Fiberglas Corporation. Method of producing strands of intertwisted glass fibers. 2,448,499, Aug. 31.
- Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Drop endgate for railway cars. 2,452,163, Oct. 26.
- Swann, Ralph C.: *See*—
Lukes, George E., and Swann.
- Swanson, Alfred J., Los Angeles, Calif. Door checking hinge. 2,434,524, Jan. 13.
- Swanson, Albert J., Oak Lawn, and J. R. Gardner, Bellwood, Ill. Garage door operation. 2,452,501, Oct. 26.
- Swanson, Carl E., Chicago, Ill. Socket for fluorescent tubes. 2,454,017, Nov. 16.
- Swanson, Carl O., Minneapolis, Minn. Self-cleaning door mat. 2,448,931, Sept. 7.
- Swanson, Carl T., Quonset Point, R. I. Combination high- and low-pressure hydraulic pump. 2,434,296, Jan. 13.
- Swanson, Clarence W., Denver, Colo. Folding drying rack. 2,434,891, Jan. 20.
- Swanson, Clark F., Cologne, Minn. Mailbox. 2,437,053, Mar. 2.
- Swanson, Earl E., assignor to R. C. Swanson, North Hollywood, Calif. Lap. 2,438,688, Mar. 30.
- Swanson, Ethel, assignee: *See*—
Swanson, Eva C.
- Swanson, Eva C., assignor to E. Swanson, Detroit, Mich. Drapery hook. 2,448,637, Sept. 7.
- Swanson, Gunnar E., New Britain, Conn. Locking and unlocking mechanism for cylinder locks. 2,444,542, July 6.
- Swanson, Harry R., Katonah, assignor, by mesne assignments, to Petro-Chem Process Company, Incorporated, New York, N. Y. Heating fluids. 2,457,096, Dec. 21.
- Swanson, Helga R., assignee, et al.: *See*—
Evers, Roy D.
- Swanson, John W., assignor to The Institute of Paper Chemistry, Appleton, Wis. Mannogalactan mucilages and producing same. 2,444,412, July 6.
- Swanson, Keith N., Hollywood, Calif., assignor to Bell & Howell Company, Chicago, Ill. Auto-focus photographic enlarger of the folded-light-path type. 2,437,893, Mar. 16.
- Swanstrom, Klas A., Buckingham Township, Bucks County, Pa. Fastener. 2,451,991, Oct. 19.
- Swanson, Nils H.: *See*—
Schaefer, Cyril L., and Swanson.
- Swanson, Oscar W., Ottumwa, Iowa. Egg washing machine. 2,442,475, June 1.
- Swanson, Ruth C., assignee: *See*—
Swanson, Earl E.
- Swanson, Walter H., assignee, et al.: *See*—
Evers, Roy D.
- Swanstrom, Klas A., Buckingham Township, Bucks County, Pa. Fastener. 2,455,145, Nov. 30.
- Swart, Frans J., Rahway, assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J. Door hanger. 2,435,296, Feb. 3.
- Swart, Gilbert H.: *See*—
Te Grotenhuis, Theodore A., and Swart.
- Swartout Company, The, assignee: *See*—
Wiseman, Earl L.
- Swartz, Milton D., Baltimore, and K. N. Yellott, Cockeysville, assignors to Farbold Paint Company, Inc., Baltimore, Md. Handling coated articles during drying. 2,438,135, Mar. 23.
- Swartzel, Karl D.: *See*—
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
Statham, Louis D., Baker, and Swartzel.
- Swartzel, Karl D., Jr.: *See*—
Fletcher, Harvey, Müller, and Swartzel.
- Swartzman, Morris, Brooklyn, N. Y. Dental floss holder. 2,451,181, Oct. 12.
- Swatzell, Wilbert J., El Dorado, Ark. Long or short line assembly elevator stop. 2,455,279, Nov. 30.
- Swayze, Daniel B., Newark, N. J. Dancing figure toy. 2,434,059, Jan. 6.
- Swazy, Earl F.: *See*—
Hensel, Franz R., Larsen, and Swazy.
- Swebilius, Carl G., Hamden, Conn. Gun-barrel lock. 2,437,137, Mar. 2.
- Swedish, Frank, Jr., Rothschild, Wis., assignor to The B. F. Goodrich Company, New York, N. Y. Thiazine dimer. 2,439,828, Apr. 20.
- Swedlow, David A., Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Polymerization. 2,456,093, Dec. 14.
- Swedlow, David A., North Hollywood, Calif., assignor by mesne assignments to Shellmar Products Corporation, Chicago, Ill. Laminated transparent plastic. 2,456,467, Dec. 14.
- Swedlund, Lloyd E., Lancaster, Pa., assignor to Radio Corporation of America. Color television tube. 2,446,440, Aug. 3.
- Swelly, James S.: *See*—
Kurtz, Stewart S., Jr., and Swelly.
- Sweeney, Edward J., assignor to The Budd Company, Philadelphia, Pa. Making skin-and-frame assemblies. 2,451,783, Oct. 19.
- Sweeney, Hugh J., assignee: *See*—
Neely, Charles A.
- Sweeny, Charles P., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Speed and frequency control apparatus for radio-frequency bonding systems. 2,453,680, Nov. 9.
- Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,436,618, Feb. 24.
- Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Oil prospecting method. 2,449,627, Sept. 21.
- Sweeney, William J., Summit, G. H. Cloud, Linden, and A. J. Blackwood, Westfield, N. J., assignors to Standard Oil Development Company. Power generations. 2,443,841, June 22.
- Sweet, Alvin J., East Aurora, assignor to Allied Chemical and Dye Corporation, New York, N. Y. Manufacture of 2-anthrahydroquinonecarboxylic acid. 2,445,699, July 20.
- Sweet, Carroll V., Madison, Wis., dedicated to the free use of the people in the territory of the United States. Panel construction. 2,438,079, Mar. 16.
- Sweet, Leon A.: *See*—
Holcomb, Walter F., and Sweet.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sensitometer employing repeating wedge modulator. 2,457,746, Dec. 28.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Electron multiplier tube circuits. 2,457,747, Dec. 28.
- Sweet, Roland G., Pleasanton, assignor to A. Roberts, Concord, Calif. Leather vise. 2,452,271, Oct. 26.
- Sweeten, Howard C., Hazard, Ky., assignor to Goodman Manufacturing Company, Chicago, Ill. Angle drive for shaker conveyers. 2,446,965, Aug. 10.
- Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,453,874, Nov. 16.
- Sweighth, David V., Cleveland, assignor to The General Industries Company, Elyria, Ohio. Motor mount and motor drive means for phonographs. 2,455,280, Nov. 30.
- Swenberg, Walter A., Long Beach, Calif. Relief valve assembly for ventilation system. 2,452,612, Nov. 2.
- Swengel, Robert C., Goldsboro, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Ferrule crimping tool. 2,435,562, Feb. 3.
- Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Wheeled vehicle. 2,444,759, July 6.
- Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to United States of America, as represented by the Secretary of the Navy. Amphibian cargo carrier. 2,456,542, Dec. 14.
- Swenson, Carl E., Rockford, Ill., assignor, by mesne assignments, to the Government of the United States, as represented by the Secretary of the Navy. Vehicle. 2,436,681, Feb. 24.
- Swenson, Carl E., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Fabricating track laying vehicle shoes. 2,438,424, Mar. 23.
- Swenson, Edward R.: *See*—
Puls, Alfred E., and Swenson.
- Swenson, George E.: *See*—
Robinson, William B., and Swenson.
- Swenson, Helge N., Union, N. J. Universal grinding fixture. 2,434,600, Jan. 13.
- Swenson, Jonas A., Springfield, S. Dak. Window sash control. 2,454,619, Nov. 23.
- Swenson, Oscar J., Ithaca, assignor to Colonial Sugars Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Wax production. 2,456,655, Dec. 21.
- Swenson, Oscar J., Ithaca, assignor to Colonial Sugars Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Wax production. 2,456,656, Dec. 21.

- Swenson, William E., St. Paul, assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Latching door for enclosures. 2,444,543, July 6.
- Swerdloff, Will, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Isomerization process. 2,436,367, Feb. 17.
- Swern, Daniel, Philadelphia, and J. T. Scanlan, Wyndmoor, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Hydroxylation process. 2,443,280, June 15.
- Swern, Daniel, and T. W. Findley, Philadelphia, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Amino fatty derivatives. 2,445,892, July 27.
- Swern, Daniel, and G. N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. 1,2-epoxides and their preparation. 2,457,328, Dec. 28.
- Swern, Daniel, and G. N. Billen, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polymers of 9,10-epoxyoctadecanol and their preparation. 2,457,329, Dec. 28.
- Swern, Daniel, and W. C. Ault, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Preparation of monoethenoic acids and their esters. 2,457,611, Dec. 28.
- Swett, Adelbert P.: *See*—
Beckwith, Edwin L., and Swett.
- Swezey, Burdette S., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing device for telegraph circuit. 2,445,809, July 27.
- Swiatek, Edward W., Bridgeport, Conn. Countersink and center reamer. 2,442,554, June 1.
- Swidersky, Stanley T., Houtzdale, Pa. Fastener. 2,454,103, Nov. 16.
- Swiech, Walter, Chicago, assignor of nine-twentieths to C. A. Berys, Cicero, Ill. Valuables transferring apparatus. 2,436,702, Feb. 24.
- Swift, Clifford L.: *See*—
Carnagua, Harold E., and Swift.
- Swift & Company, assignee: *See*—
Davis, Elmer M.
Pierce, Eugene H.
Ramsbottom, John M., and Paddock.
Sanders, Marion D.
Trelease, Richard D., and Konnz.
- Swift, Cyrus, Chicago, Ill. Synchronous electric motor. 2,442,316, May 25.
- Swift Electric Welder Company, assignee: *See*—
Lewis, Alfred H.
- Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic type log debarker having plural log-rotating chucks independently revolvable about a common axis. 2,453,947, Nov. 16.
- Swift, Jay D.: *See*—
Christensen, Stig, Rosenberg, and Swift.
- Swigart, Josef G., Sheffield, Ill. Adding machine for computing bearing angles. 2,443,750, June 22.
- Swikart, George, Yonkers, assignor to Plastal Corporation, New York, N. Y. Spectacle case. 2,446,966, Aug. 10.
- Swindell, Paul E., Nashville, Tenn. Armicycle. 2,436,619, Feb. 24.
- Swindle, John A., Norwalk, Calif. Combined safety and sound-producing device for radiators. 2,455,533, Dec. 7.
- Swinehart, Dean E., Ravenna, Ohio. Extension tongue. 2,451,698, Oct. 19.
- Swing, Frank A., Conshohocken, Pa., assignor to The Electric Storage Battery Company. Temperature compensated relay. 2,443,968, June 22.
- Swings, Polydore F., Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Plural grating spectrograph. 2,453,164, Nov. 9.
- Swintosky, Edward P., Kewaunee, Wis. Milk can drying rack. 2,449,628, Sept. 21.
- Swisher, Robert E., and G. W. Gates, Kansas City, Mo. Automatic electric switch. 2,440,028, Apr. 20.
- Swiss firm of Ciba, Limited, assignee: *See*—
Kearn, Walter, Sutter, Moergel, and Holbro.
- Swiss, Jack, and N. C. Foster, McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-loss thermosetting resins. 2,439,953, Apr. 20.
- Switzer, John L., and J. C. Michalek, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Preserving caustic soda from contamination in metal containers. 2,453,471, Nov. 9.
- Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Color separation with fluorescent materials. 2,434,019, Jan. 6.
- Switzer, Robert C.: *See*—
Switzer, Joseph L. and R. C.
- Switzer, Sue, assignee: *See*—
Ferrenberg, Roy R.
- Swoope, Charles C.: *See*—
Skoglund, Arthur C., and Swoope.
- Swoope, Robert L.: *See*—
Grote, Henry W., Swoope, and Brearley, Jr.
- Swope, Gerald L.: *See*—
Ball, Charles O., Swope, and Scott.
- Sydner, Ashley R., Jr., Fanwood, N. J., assignor to Standard Oil Development Company. Alkylation-recycling of alkylate product stream free of inert gases. 2,442,221, May 25.
- Sykes, Wesley P., North Hollywood, assignor to Turco Products, Inc., Los Angeles, Calif. Soap dispenser. 2,446,987, Aug. 10.
- Sylvania Electric Products Inc., assignee: *See*—
Acheson, Marcus A., and Haas.
Alford, Harold W.
Allphin, Willard J.
Betts, Mazonia D.
Bouchard, George H.
Briggs, Richard S.
Burns, Laurence.
Burroughs, Franklin L.
Cadenas, Fernando J.
Casellini, Ezio T., and Burns.
Clapp, Richard H.
Cram, Stanford W.
Freeman, Walter C., Jr.
Frohook, Warren S.
Haas, Paul.
Harris, Milton A.
Hven, Roger W.
Isler, Harry K.
Larime, Carl M.
Levenson, Solomon.
Liskow, Charles L.
Lowry, Erwin F., Peacock, and Leyshon.
Maurette, René G.
McCarthy, Henry J.
Metten, Herbert.
Metten, Herbert, and Koury.
Peacock, Arnold L., and Jensen.
Quinn, Gerald S.
Rochester, Nathaniel.
Sargent, Theodore C.
Schneider, Everett J.
Shaheen, John.
Thomas, Ralph B., and Betts.
Von Scheven, Waldemar H.
- Sylvester, Frederick F., Springfield, N. J., and J. B. Adams, Jr., Yonkers, N. Y. Electrical components. 2,443,700, June 22.
- Sylvester, Frederick F., Springfield, N. J. Electrical component. 2,445,719, July 20.
- Symer, Gerald D., Greenbelt, Md. Control surface cover. 2,441,087, May 4.
- Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S.
Couch, Glenn F.
- Symmes, Carleton R., Saugus, assignor to H. P. Hood & Sons, Inc., Charlestown, Mass. Frozen-food container. 2,444,861, July 6.
- Symmes, Daniel D., West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Rope tension measuring device. 2,436,459, Feb. 24.
- Symons, Arthur H., Chicago, Ill. Tie device for wall forms. 2,433,934, Jan. 6.
- Symons, Arthur H., Chicago, Ill. Tie device for wall forms. 2,449,864, Sept. 21.
- Symons, Loren G., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyration impact ball mill. 2,433,872, Jan. 6.
- Synan, John F.: *See*—
Vincent, George P., MacMahon, and Synan.
- Synchro Machine Company, assignee: *See*—
Bruestle, Carl O.
- Synderholm, Martin E., Hastings-on-Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Diethylaminoethyl piperate hydrochloride. 2,442,555, June 1.
- Syndicate Glass, Inc., assignee: *See*—
Odin, Frank W.
- Synnestvedt, Kenneth P., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor equipped aerial device. 2,440,295, Apr. 27.
- Syntron Company, assignee: *See*—
Burt, Ralph.
Weyandt, Carl S., and Missien.
- Syrjala, Irene E., Mount Clemens, Mich. Safety device for firearms. 2,451,003, Oct. 12.
- Syrovy, Augustin J.: *See*—
Neracher, Carl A., Dunn, Iavelli, and Syrov.
- Sywulka, Victor S.: *See*—
Defendorf, John L., and Sywulka.
- Szabo, Gustav V., Peekskill, N. Y. Device for mounting loupes on spectacles. 2,441,453, May 11.
- Szantay, Daniel, assignee: *See*—
Deer, John H.
- Szantay, Daniel, Chicago, Ill. Flashlight. 2,439,496, Apr. 13.
- Szczeniowski, Boleslaw, Montreal, Quebec, Canada. Supercharger. 2,434,678, Jan. 20.
- Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube projector. 2,435,297, Feb. 3.
- Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray projector tube. 2,448,476, Aug. 31.
- Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Color television system. 2,455,710, Dec. 7.

- Szerenyi, Andrew, Toronto, Ontario, Canada. Compass for use in drafting. 2,442,185, May 25.
- Szerenyi, Andrew, Toronto, Ontario, Canada. Lighter. 2,442,186, May 25.
- Sziklai, George C., and R. R. Thalner, Princeton, N. J., assignors to Radio Corporation of America. Voltage regulated rectifier circuit. 2,435,414, Feb. 3.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color analyzing circuit. 2,438,586, Mar. 30.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Voltage regulating rectifying circuits. 2,438,831, Mar. 30.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Coaxial cable. 2,442,623; June 1.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube. 2,449,339, Sept. 14.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Wide band amplifier. 2,453,081, Nov. 2.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Bidirectional high gain amplifier. 2,455,711, Dec. 7.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electronic saw-tooth pulse generator. 2,456,754, Dec. 21.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Frequency converter circuit. 2,457,008, Dec. 21.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,457,415, Dec. 28.
- Szucs, Joseph, Yonkers, N. Y. Producing citric acid. 2,438,136, Mar. 23.
- Szwargulski, Alex. N.: *See*—Korte, Alfred C., and Szwargulski.
- T-M-K Corporation, assignee: *See*—Benson, Merle K.
- T & M Manufacturing Company, assignee: *See*—Thomas, Michael.
- Tabacchi, Steve A.: *See*—Weiss, Hans H., and Tabacchi.
- Tabb, Braxton H., Jr.: *See*—Gillette, John C., and Tabb.
- Taber, Herman: *See*—Anderson, Thomas F., and Taber.
- Taberlet, Fred R., Forest Hills, N. Y., assignor to Talon, Inc. Adjustable fastener. 2,441,377, May 11.
- Tabor, Joseph M., Cleveland, H. F. Seibert, and P. R. Frohring, assignors to General Biochemicals, Inc., Chagrin Falls, Ohio. Extracting pigments. 2,440,029, Apr. 20.
- Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,440,880, May 4.
- Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,453,733, Nov. 16.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Disc brake arrangement. 2,438,481, Mar. 23.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Railway disc brake arrangement. 2,438,482, Mar. 23.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake shoe and head arrangement. 2,438,483, Mar. 23.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,443,587, June 15.
- Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Railway brake. Re. 22,966, Jan. 20.
- Tack, Carl E., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Shock strut. 2,439,349, Apr. 6.
- Tackett, James R., and V. G. Evans, Olive Hill, Ky. Machine tool shaper attachment. 2,454,490, Nov. 23.
- Tadd, Roy W., San Gabriel, Calif. Protector for the doors of vehicles. 2,456,157, Dec. 14.
- Tafel, Robert W.: *See*—Anderer, Theodore A., and Tafel.
- Taff, Wilfred O., Roselle, N. J., assignor to Standard Oil Development Company. Contacting solids and gaseous fluids. 2,440,620, Apr. 27.
- Taft, Franklyn J., assignor of one-half to J. S. Francis, doing business as Francis Company, Chicago, Ill. Motor idling period control. 2,434,871, Jan. 20.
- Taft, George H., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite article. 2,451,182, Oct. 12.
- Tagg, George F., Stafford, assignor to The English Electric Company, Limited, London, England. Speed indicator. 2,443,668, June 22.
- Taggart, Millard S., Jr., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company. Elizabeth, N. J. Prospecting for petroleum deposits. 2,442,476, June 1.
- Taggart, Thomas C., Hanover, Pa. Fiber roll former. 2,447,604, Aug. 24.
- Tainton, Uryln C., deceased, Baltimore, Md.; R. Pottberg, administrator, assignor to Freeport Sulphur Company, New York, N. Y. Metal coating metal articles.
- Tait, Wilfred E., Westport, and A. W. Stellflug, Weston, Conn., assignors to American Safety Razor Corporation, Brooklyn, N. Y. Coating shutter and lens combination for camera film holders. 2,446,200, Aug. 3.
- Talalay, Anselm, New Haven, assignor to The Sponge Rubber Products Company, Shelton, Conn. Reticulated structure and making the same. 2,455,534, Dec. 7.
- Talbert, Henry A., Glen Rock, N. J., assignor to The Union Switch and Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,442,735, June 1.
- 2,441,776, May 18.
- Talbot, Obrams, assignee: *See*—Moore, Milford E.
- Talbot Mills, Inc., assignee, trustee: *See*—Hayes, Edward F.
- Talbot, Theodore H.: *See*—Warner, Arthur J., and Talbot.
- Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Internal grinder and polisher. 2,442,624, June 1.
- Taliaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchboard. 2,438,025, Mar. 16.
- Tallarico, Domiano, New York, N. Y. Drain board for dishes. 2,443,404, June 15.
- Talley, Florence B.: *See*—McGovran, Edward R., Mayer, and Talley.
- Talley, Hyrum M., Alhambra, Calif., assignor to American Pipe and Steel Corporation, Alhambra, Calif. Acetylene torch cutter support. 2,440,527, Apr. 27.
- Tallman, Emma S., assignee: *See*—Tallman, Leslie R.
- Tallman, G. I., assignee: *See*—Tallman, Leslie R.
- Tallman, J. L., assignee: *See*—Tallman, Leslie R.
- Tallman, Leslie R., assignor of forty-five per cent to G. L. Tallman, twelve and one-half per cent to J. L. Tallman, and twelve and one-half per cent to Emma S. Tallman, Shelbyville, Ill. Baler. 2,454,413, Nov. 23.
- Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Earth anchor. Re. 23,036, Aug. 31.
- Tallman, Ralph C., Morristown, N. J., and A. H. Stuart, assignors to Schieffelin & Co., New York, N. Y. Estrogenic substances. 2,455,535, Dec. 7.
- Talon, Inc., assignee: *See*—Carlile, Alfred E.
- Firing, Osborne, and Gibbons.
- Poux, Noel J.
- Taberlet, Fred R.
- Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Transformer coil. 2,443,842, June 22.
- Tamarin, Abraham H., Chicago, Ill. Dental inlay. 2,438,725, Mar. 30.
- Tamarin, Bernard J., Flourentown, Pa. Dust guard for electric cord take-up reels. 2,443,701, June 22.
- Tamblyn, John W., and D. R. Morey, assignors to Eastman Kodak Company, Rochester, N. Y. Fractional precipitation of cellulose butyrates. 2,439,111, Apr. 6.
- Tambini, Eugene, Milford, Conn. Sanding device. 2,444,760, July 6.
- Tamburi, Daniel: *See*—Schneiderman, Eli, and Tamburi.
- Tamele, Miroslav W., Oakland, V. C. Irvine, Richmond, and J. F. Mahar, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Molybdena catalysts, their preparation and use. 2,454,724, Nov. 23.
- Tampa Aviation, Inc., assignee: *See*—Protzeller, Harry W.
- Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Tracer and automatic pattern feed. 2,456,158, Dec. 14.
- Tandet, William H., Stamford, Conn. Coupling device. 2,449,916, Sept. 21.
- Tandiorio, Sam, Forest Hills, N. Y., assignor to Alaska Chemical Corporation, Paterson, N. J. Fleshing machine. 2,445,284, July 13.
- Tandler, William S., and D. S. Walker, assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y. Inside scanning facsimile recorder. 2,435,250, Feb. 3.
- Tandler, William S., and D. S. Walker, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Photoelectric control mechanism for flame-cutting devices. 2,438,098, Mar. 16.
- Tanguay, Edgar, Bloomfield, N. J., C. Kertesz, Jamaica, and W. Krakauer, assignors to S. Krakauer, Rockaway Park, N. Y. Machine for forming and applying clips to wire members. 2,449,865, Sept. 21.
- Tann, David, Detroit, Mich. Yarn assembly. 2,455,146, Nov. 30.
- Tannen, Louis, assignee: *See*—Rifas, Harold.
- Tannenbergh, Joseph, Batavia, N. Y. Apparatus for embedding simultaneously a plurality of tissues for histological purposes. 2,437,713, Mar. 16.
- Tanner, Arthur W., Aldershot, England. Spoon, shovel, or the like implement with a pusher member. 2,435,805, Feb. 10.
- Tanner, Elo C.: *See*—Tull, Robert H., Tanner, and Ardito.
- Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,457,009, Dec. 21.

- Tanner, Fred W., Jr., L. J. Wickerham, and J. M. Van Lanen, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Biological production of riboflavin. 2,445,128, July 13.
- Tanner, Fred W., Jr., and J. M. Van Lanen, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Vitamin B-complex concentrate. 2,449,340, Sept. 14.
- Tanner, Robert R., Detroit, Mich., assignor to The Patents Corporation. Treated steel sheet and process. 2,438,013, Mar. 16.
- Tansley, John A., New Castle, Ind., assignor to Chrysler Corporation, Highland Park, Mich. Surface treatment of metal. 2,449,917, Sept. 21.
- Tansley, Leslie R., Columbus, Ohio. Measuring valve mechanism. 2,453,553, Nov. 9.
- Tantimonaco, Leonardo, West Haven, Conn. Blood extracting apparatus. 2,451,183, Oct. 12.
- Tanzer, George, Everett, Mass. Man's suit form extender. 2,434,817, Jan. 20.
- Taplin, John F., Westfield, N. J. Speed governing mechanism. 2,447,779, Aug. 24.
- Tapp, Ernest T. J.: *See*—
Van den Bosch, Francois J. G., and Tapp.
- Tappan Stove Company, The, assignee: *See*—
Bauer, William.
Mayer, Charles M.
Sheidler, Robert G.
- Tappé, Frank G., Oslo, Norway. Ski binding. 2,450,531, Oct. 5.
- Taplin, John F., Westfield, N. J., assignor, by mesne assignments, to Power Industries, Incorporated, New York, N. Y. Engine control. 2,434,182, Jan. 6.
- Tarasuk, Michael, Detroit, Mich. Fishing reel. 2,442,670, June 1.
- Tarbell, John C., Springfield, Mass. Fly catching device. 2,437,447, Mar. 9.
- Tarbox, Arthur M., Belmont, assignor to F. S. Payne Co., Cambridge, Mass. Automatic adjustment for elevator brakes. 2,439,350, Apr. 6.
- Tarbox, John P., and E. M. Callender, assignors to The Budd Company, Philadelphia, Pa. Weld testing apparatus. 2,433,963, Jan. 6.
- Tarbox, John P., Philadelphia, and E. M. Callender, Cynwyd, assignors to The Budd Company, Philadelphia, Pa. Weld indicating and control apparatus. 2,433,964, Jan. 6.
- Tarbox, John P., assignor to The Budd Company, Philadelphia, Pa. Brace for vehicles, especially for automobiles. 2,436,620, Feb. 24.
- Tarbox, John P., assignor to The Budd Company, Philadelphia, Pa. Cable construction. 2,440,668, Apr. 27.
- Tarbox, John P., Philadelphia, Pa. Shoe construction. 2,452,502, Oct. 26.
- Tardif, Gerard E., Quebec, Quebec, Canada. Plotting aircraft navigation computer. 2,449,342, Sept. 14.
- Tarkington, Raife G.: *See*—
Lowe, Wesley G., and Tarkington.
- Tarlen Corporation, assignee: *See*—
Waterman, Neil S.
- Tarpley, William B., Jr., Chatham, N. J., and A. I. Ryer, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Preparation of N²-acyl sulfanilamides. 2,454,104, Nov. 16.
- Tarr, Allan L.: *See*—
Mahoney, Charles H., Lee, Tarr, and Le Grand.
- Tarr, Allan L., Las Vegas, Nev., and G. W. Oxley and F. C. Pyke, Elizabeth, N. J., assignors to Standard Oil Development Company. Galvanic coating process. 2,444,174, June 29.
- Tarwater, Lawson, assignor of one-half to E. G. Witmer, Redlands, Calif. Rail anchor. 2,451,127, Oct. 12.
- Taschereau, Marc A., Port Alice, British Columbia, Canada. Combined compact and flashlight. 2,454,527, Nov. 23.
- Tashjian, David R.: *See*—
Kinn, Theodore P., and Tashjian.
- Tatal, Ladislao S., Habana, Cuba. Inflatable orthopedic shoulder pad. 2,437,054, Mar. 2.
- Tate, Kenneth L., Rochester, N. Y., assignor, by mesne assignments, to The United States of America as represented by the United States Atomic Energy Commission. Switching and timing unit for pneumatic relays. 2,441,044, May 4.
- Tate, Malcolm C., Stamford, Conn., assignor to Baldwin Locomotive Works. Weighing system. 2,451,451, Oct. 12.
- Tate, Merze, Detroit, Mich. Mixing unit for refrigerators. 2,446,066, July 27.
- Tate, Thomas J., Talladega, Ala. Automatic fire alarm system. 2,439,502, Apr. 13.
- Tatom, Raymond F., Seattle, Wash., assignor to Boeing Airplane Company, Hook. 2,454,894, Nov. 30.
- Tatro, Frank B., assignor, by mesne assignments, to Virgil A. Hamilton, Chicago, Ill. Capacity-type phonograph pickup. 2,436,946, Mar. 2.
- Tauber, John A., and H. A. Heiligman, Norristown, assignors to E. J. Lavino and Company, Philadelphia, Pa. Control apparatus for molding presses. 2,455,823, Dec. 7.
- Taurman, Alphonso, Birmingham, Ala. Bottle crate. 2,436,236, Feb. 17.
- Tauty, René, Clichy, France; vested in the Attorney General of the United States. Quick releasable parachute harness. 2,447,824, Aug. 24.
- Tautz, Herbert E., Englewood, Colo. Boring head. 2,442,444, June 1.
- Tautz, Herbert E., Denver, assignor to Heckethorn Mfg. & Supply Co., Littleton, Colo. Making gas cocks. 2,446,496, Aug. 3.
- Tawes, William L., Claymont, Del. Oil seal. 2,434,183, Jan. 6.
- Tawney, Chester W., Salvatore J. Demarco, Jr., and P. H. Herriek, Baltimore, Md. Vending machine. 2,433,873, Jan. 6.
- Tawney, Gerold L., Hempstead, N. Y., assignor to The Sperry Corporation. Radio wave reflecting transducer system. 2,436,408, Feb. 24.
- Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Alpha beta dimethylene succinonitrile. 2,444,882, July 6.
- Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Copolymers of 2,5-dimethyl-1,5-hexadiene and acrylic esters. 2,452,700, Nov. 2.
- Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparing butane-1,2,4-tricarboxylic acid. 2,456,543, Dec. 14.
- Tawny, Gerold L., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency radiant energy apparatus. 2,437,281, Mar. 9.
- Taylor, Alanson O., Lansdowne, Pa. Cargo airplane. 2,441,913, May 18.
- Taylor, Alanson O., Lansdowne, Pa. Cargo airplane. 2,446,441, Aug. 3.
- Taylor, Albert C., Chicago, Ill., assignor to the United States of America, as represented by the Secretary of War. Apparatus for the freezing-drying of tissues. 2,435,854, Feb. 10.
- Taylor, Albert J., Austin, Tex. Collapsible rocking chair. 2,434,748, Jan. 20.
- Taylor, Alfred M., Birmingham, England. Transmission of electric power over long distances. 2,441,650, May 18.
- Taylor, Asa J., Zion, assignor to Trifam Manufacturing Company, Maywood, Ill. Fluid joint. 2,434,629, Jan. 13.
- Taylor, Auburn, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill. Newspaper stripping device. 2,441,454, May 11.
- Taylor, Augustus H., East Cleveland, Ohio, assignor to General Electric Company. Phototube containing means to counteract negative wall charges. 2,438,587, Mar. 30.
- Taylor, Charles E., assignee, et al.: *See*—
Dewey, Clarence L.
- Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Closure fastener for suction cleaning apparatus. 2,435,640, Feb. 10.
- Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coupling means. 2,440,160, Apr. 20.
- Taylor, Charles R.: *See*—
Pigott, Reginald J. S., and Taylor.
- Taylor, Clyde B.: *See*—
Allen, Frank M., and Taylor.
- Taylor, Edward H., Winnetka, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Pipe end and joint. 2,451,587, Oct. 19.
- Taylor, Ellen G., Miami, Fla. Electric switch. 2,448,841, Sept. 7.
- Taylor, Eugene V., Chicago, Ill. Food grinder having a perforated disc, a presser plate, and a rotary knife. 2,439,028, Apr. 6.
- Taylor Engines, Inc., assignee: *See*—
Taylor, Lloyd M.
- Taylor Fibre Company, assignee: *See*—
Muller, George J.
Scherer, Wayne R.
- Taylor Forge & Pipe Works, assignee: *See*—
Robaus, Stanley.
- Taylor, Edward H.
- Taylor, Frank: *See*—
Dawes, Robert T., and Taylor.
- Taylor, Frank H., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency oscillation generators. 2,457,189, Dec. 28.
- Taylor, Frank W., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Cinematographic method and apparatus. 2,448,691, Sept. 7.
- Taylor, Galen M.: *See*—
Dabrasky, August, Goodhue, and Taylor.
- Taylor, George F., Grosse Point Woods, assignor to Carboly Company, Inc., Detroit, Mich. Process and die for extruding tubular plastic products. 2,437,625, Mar. 9.
- Taylor, George S.: *See*—
Bailey, Harold P., and Taylor.
- Taylor, Harold: *See*—
Bacon, Reginald G. R., Taylor, and Wood.
- Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Speed governor for railway vehicles. 2,457,748, Dec. 28.
- Taylor, Herschel H., Jefferson City, Mo. Terracing machine. 2,434,818, Jan. 20.
- Taylor & Hobson Limited, assignee: *See*—
Cooke, Ernest A.

- Taylor, Howard F.: *See*—
Myskowski, Edwin T., and Taylor.
- Taylor, Howard F., Washington, D. C., and R. E. Morey, Forest Heights, Md. Determining effect of mold conditions on metal castings. 2,452,613, Nov. 2.
- Taylor Instrument Companies, assignee: *See*—
Buerschaper, Robert A.
Caswell, George A.
Olson, Raymond E.
Wharton, Armistead.
Young, Albert J.
- Taylor, Ivan M., deceased; I. Henry, administrator, Boston, Mass. Antifouling device. 2,435,986, Feb. 17.
- Taylor, James: *See*—
Whetstone, John, and Taylor.
- Taylor, James H.: *See*—
Nicholes, Postell M., and Taylor.
- Taylor, James, Saltcoats, and J. Whetstone, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of compact combustible explosive charges. 2,434,872, Jan. 20.
- Taylor, James H., Oak Park, Ill. Mandrel for and method of making pipe bends. 2,441,299, May 11.
- Taylor, John, Bronxville, N. Y. Delay arming antisturbance fuse. 2,455,958, Dec. 14.
- Taylor, John A., Elmhurst, assignor to Heinz Art Service, New York, N. Y. Sheet material display device. 2,453,047, Nov. 2.
- Taylor, John J., and P. M. Ross, Wadsworth, assignors to The Ohio Brass Company, Mansfield, Ohio. Nonmetallic mine. 2,438,307, Mar. 23.
- Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,443,435, June 15.
- Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,443,436, June 15.
- Taylor, John R., Westmount, Quebec, Canada. Absorption of ammonia in soda ash production. 2,446,442, Aug. 3.
- Taylor, La Moil S., Kansas City, Kans. Doorstop and retainer. 2,454,414, Nov. 23.
- Taylor, Lloyd M., San Leandro, assignor to Taylor Engines, Inc., San Francisco, Calif. Cylinder block. 2,444,963, July 13.
- Taylor, Maurice K., and I. N. Vaughn-Jones, Hollinwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal translating system. 2,447,375, Aug. 17.
- Taylor, Maurice K. and J. Greenhalgh, Hollinwood, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Impedance matching arrangement. 2,456,800, Dec. 21.
- Taylor, Milton C., Chicago, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Chip breaking attachment for drilling machines. 2,457,795, Dec. 28.
- Taylor, Myron L., Ridgewood, W. B. Pond, West Englewood, and H. A. Bays, Tenafly, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control system, apparatus, and the elimination of ice from an aircraft. 2,444,208, June 29.
- Taylor, Owen L., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic device. 2,434,601, Jan. 13.
- Taylor, Owen L., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic relay. 2,436,339, Feb. 17.
- Taylor, Riley H., Portland, Oreg. Electric heating and ventilating unit. 2,449,755, Sept. 21.
- Taylor, Robert B.: *See*—
Heumann, Gerhart W., and Taylor.
- Taylor, Robert F.: *See*—
Morey, Glen H., and Taylor.
- Taylor, Robert J.: *See*—
Copson, Ernest D., and Taylor.
- Taylor Sales Engineering Company, assignee, et al.: *See*—
Dewey, Clarence L.
- Taylor, Scott V. E., Cleveland, Ohio. Hydraulic transmission. 2,437,448, Mar. 9.
- Taylor, Taylor & Hobson Limited, assignee: *See*—
Cooke, Ernest A.
Cox, Arthur.
- Taylor, Walter W., assignor, by mesne assignments, to Malsbary Manufacturing Company, Oakland, Calif. Regulating valve. 2,434,020, Jan. 6.
- Taylor, Warren G.: *See*—
Sheridan, Hiram W., and Taylor.
- Taylor, Willard O., Ranger, Tex. Underground cutter for trees. 2,437,176, Mar. 2.
- Taylor, William H.: *See*—
Jorgensen, Clarence H., and Taylor.
- Taylor, William H., Waukesha County, assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Slush ice making machine. 2,449,730, Sept. 21.
- Taylor-Winfield Corporation, assignee: *See*—
Humphrey, Stanley M.
Smith, Clyde E.
- Taylor-Winfield Corporation, The, assignee: *See*—
Cooper, Joseph H.
Mallett, Edwin A.
Ringer, Robert L., Jr.
Ringer, Robert L., Jr., and Smith.
Seeloff, Melvin M.
Seltzer, Clifford S.
- Tea, Clark A., Detroit, Mich. Cushion spring and making the same. 2,439,530, Apr. 13.
- Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Abrasive tool. 2,434,749, Jan. 20.
- Teague, Leonard C.: *See*—
Johnson, John P., and Teague.
- Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aircraft cabin pressure regulating means. 2,441,088, May 4.
- Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Two-film camera. 2,439,112, Apr. 6.
- Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aircraft cabin pressure control means. 2,441,089, May 4.
- Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Aircraft cabin pressure regulator. 2,447,918, Aug. 24.
- Teal, Gordon K.: *See*—
Storks, Keith H., and Teal.
- Tear, James D.: *See*—
Poitras, Edward J., and Tear.
- Teare, William H.: *See*—
Hickey, John S., and Teare.
- Teho, Lawrence E., Waseca, Saskatchewan, Canada. Saw filer. 2,442,909, June 8.
- Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.
- Technical Glass Company, assignee: *See*—
Netschert, Franz.
Rosenthal, Lawrence L., and Spencer.
- Technicolor Motion Picture Corporation, assignee: *See*—
Olds, Earl M., Jr.
Rackett, Gerald F.
Taylor, Frank W.
- Techniques, Inc., assignee: *See*—
Van Rosen, Robert.
- Tecl, Theodore, Detroit, Mich. Grinding fixture. 2,451,588, Oct. 19.
- Tecnica Industrial Y Comercial Sociedad Anonima Tecosa, assignee: *See*—
Fabiá, Manuel A. G.
- Tecumseh Refrigeration Sales and Engineering Company: *See*—
Touborg, Jens.
- Tedder, Joel H., Los Angeles, Calif., assignor to International Business Machines Corporation, New York, N. Y. Relay control system. 2,453,281, Nov. 9.
- Tedford, Addington C., Huntington, W. Va. Rectal dilator. 2,443,207, June 15.
- Teeter, Howard M.: *See*—
Cowan, John C., Falkenburg, Teeter, and Skell.
- Teeter, Howard M., and J. C. Cowan, assignors to the United States of America as represented by the Secretary of Agriculture. Polyamides from polyoctadecapolyenylamine. 2,435,478, Feb. 3.
- Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Pump. 2,440,986, May 4.
- Teeter, William L., assignee, et al.: *See*—
Lange, Ferdinand H.
- Teeters, Wilber O., River Edge, and M. B. Mueller, Dumont, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Oxynitration of aromatic compounds. 2,455,322, Nov. 30.
- Teetor, Macy O., New Castle, Ind. Magnetic block. 2,448,692, Sept. 7.
- Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring. 2,439,702, Apr. 13.
- Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring. 2,452,503, Oct. 26.
- Teetsell, Roy J., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Electrical test circuit. 2,452,614, Nov. 2.
- Teetsell, Roy J., Red Bank, N. J. Meter pedestal. 2,453,734, Nov. 16.
- Tefft, Edward A., Bell, Calif. Protector for permanent waving machines. 2,440,881, May 4.
- Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,452,504, Oct. 26.
- Tegge, Carlton S., Haddon Heights, N. J., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermocouple tube with exposed junctions. 2,445,159, July 13.
- Te Grotenhuis, Theodore A., Olmsted Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Curing pneumatic tires. 2,438,952, Apr. 6.
- Te Grotenhuis, Theodore A., Olmsted Falls, and C. B. Frost, assignors to The General Tire & Rubber Company, Akron, Ohio. Making a mix of carbon black and a synthetic rubbery polymer of a conjugated diolefin. 2,441,090, May 4.
- Te Grotenhuis, Theodore A., Olmsted Falls, Ohio, and G. H. Swart, Wabash, Ind., assignors to The General Tire & Rubber Company, Akron, Ohio. Mixed polysulfide condensation product and making. 2,445,191, July 13.
- Te Grotenhuis, Theodore A., Olmsted Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Process and apparatus for coagulating a coagulable fluid. 2,450,457, Oct. 5.

- Te Grotenhuis, Theodore A., Olmsted Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for curing pneumatic tires. 2,451,992, Oct. 19.
- Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Reinforcing organic-polysulfide rubbery material with carbon black. 2,452,083, Oct. 26.
- Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Polymeric composition and making same. 2,457,097, Dec. 21.
- Teigen, Austin F., Moorhead, Minn. Adjustable support. 2,447,919, Aug. 24.
- Teigen, Austin F., Moorhead, Minn. Pocketknife. 2,450,697, Oct. 5.
- Teikowski, Edward D., Milwaukee, Wis. Accordion with amplifier attachment. 2,439,551, Apr. 13.
- Teker, John W., Wesleyville, Pa., assignor to General Electric Company. Traction motor blower control. 2,445,192, July 13.
- Telautograph Corporation, assignee: *See—*
Lauder, Wallace A., and Cahoon.
- Telechron, Inc., assignee: *See—*
Springer, Hans.
- Teleflex Limited, assignee: *See—*
Brouse, William H. D.
- Telefonaktiebolaget L. M. Ericsson, assignee: *See—*
Blomberg, Knut H.
Hagdahl, John E.
Nilsson, Karl W.
Nordell, Robert.
- Telegraph Condenser Company, Limited, The, assignee: *See—*
Sporing, Percy A., and Johnson.
Sporing, Percy, Archibald, and Johnson.
- Telegraph Construction & Maintenance Company, Limited, assignee: *See—*
Dean, John N., Smith, and Sear.
- Telephone Manufacturing Company Limited, assignee: *See—*
Lovesey, Horace.
- Teleregister Corporation, The, assignee: *See—*
Bush, George L.
Schmidt, Edwin L.
- Teletype Corporation, assignee: *See—*
Neuhaus, Robert G.
O'Neil, William M.
Potts, Louis M.
Reiber, Albert H.
Schuler, Reginald G.
- Television Associates, Inc., assignee: *See—*
Eddy, William C.
- Telex Products Company, assignee: *See—*
Mullin, Clayton D.
- Telfor, Clarence F., St. Clair Shores, and C. Pallenberg, Detroit, Mich. Holding device. 2,451,993, Oct. 19.
- Tell, Alta W., Ligonier, assignor to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa. Abrasive pneumatic finishing machine. 2,451,049, Oct. 12.
- Tellander, Frederic, Jr., Sheldon, assignor to V. O. Lothman, Evanston, Ill. Calculator mechanism. 2,451,784, Oct. 19.
- Tellier, Andre, New York, N. Y. Setting means for world clocks. 2,451,639, Oct. 19.
- Tellier, Joseph C., and H. H. Wilson, Jr., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Harmonic generator. 2,455,824, Dec. 7.
- Temko, Richard S.: *See—*
Simon, Justin, and Temko.
- Temko, Richard S., and A. Katz, New York, assignors to Home Curtain Corp., Far Rockaway, N. Y. Curtain and making same. 2,444,883, July 6.
- Temple, Harold F., Elmont, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Tube perforating machine. 2,453,681, Nov. 9.
- Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Pressure regulating valve. 2,435,057, Jan. 27.
- Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Cable cutter. 2,454,528, Nov. 23.
- Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated fastening apparatus. 2,455,825, Dec. 7.
- Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated tool. 2,455,826, Dec. 7.
- Temple, Robert B.: *See—*
Eksargian, Carolus L., and Temple, and Harle.
Eksargian, Carolus L., Temple, and Hawthorne.
- Temple, Robert B., Grosse Pointe, Mich., assignor to The Budd Company, Philadelphia, Pa. Wheel and brake drum organization. 2,457,416, Dec. 28.
- Temple, Sidney J., Forest Hills, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating unit. 2,455,102, Nov. 30.
- Temple University, assignee: *See—*
Plungian, Mikhail B.
- Temple Velocity Equipment, Inc., assignee: *See—*
Temple, Robert.
- Templeman, William G.: *See—*
Sexton, Wilfred A., Slade, and Templeman.
- Templeton, Kenly & Co., Inc., assignee: *See—*
Jakoubek, Frank J., and Gahl.
- Tenaplas Limited, assignee: *See—*
Lemon, Cecil G.
- Tenenbaum, Adele and M., Jamaica, N. Y. Making prosthetic articles. 2,453,604, Nov. 9.
- Tenenbaum, Milton: *See—*
Tenenbaum, Adele and M.
- Tenety, Vincent J., Jersey City, N. J., assignor to Anigraphic Process, Inc., New York, N. Y. Conveyor transfer mechanism for printing machines. 2,442,102, May 25.
- Tenety, Vincent J., Jersey City, assignor to East Coast Ship Yards, Cliffside Park, N. J. Drive or sprocket chain. 2,455,624, Dec. 7.
- Tennent, Charles B., Sr., South Richmond, Va., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Machine for making containers. 2,448,198, Aug. 31.
- Tennessee Coal, Iron and Railroad Company, assignee: *See—*
Auten, Claude I.
Fairley, Frank E., Lindquist, Michaels, and Rodgers.
Rodgers, Howard C.
Trevor, Paul F.
- Tennessee Copper Company, assignee: *See—*
Nikitin, Alexander A.
- Tennessee Corporation, assignee: *See—*
Oakley, Llewellyn C., Jr.
- Tennessee Eastman Corporation, assignee: *See—*
Hasche, Rudolph L.
- Tennessee Products Corporation, assignee: *See—*
Litkenhous, Edward E.
- Tennessee Valley Authority, assignee: *See—*
Elmore, Kelly L.
Lambert, Robert D., and Bailey.
- Tenney, William G., Chicago, Ill. Battery terminal. 2,443,996, June 22.
- Teplitz, Abraham J., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Completing wells. 2,451,520, Oct. 19.
- Terbeek, Howard G., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Two-direction flow equalizer. 2,443,809, June 22.
- Tercho, John V., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication. 2,439,954, Apr. 20.
- Tercho, John V., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil-ring and flood-lubricated bearing. 2,439,955, Apr. 20.
- Terepin, Raymond H., and H. W. Derrick, Jr., Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Pressure seal for aircraft. 2,443,751, June 22.
- Ter Horst, William P.: *See—*
Oppen, Anita V. L., and Ter Horst.
- Terhune, Edward A., Oak Park, Ill. Bottle dispenser. 2,441,519, May 11.
- Terhune, Howard, assignor, by mesne assignments, of one-half to Champion Forge Company, Cleveland, Ohio. Ram guide. 2,453,875, Nov. 16.
- Ter Meer, Herman: *See—*
Quigley, Herbert, and Ter Meer.
- Ternes, Raymond F., assignee: *See—*
Patrick, Lawrence M.
- Terrell, Claude J., Quincy, Ill. Helical coil butt ground winding machine. 2,456,755, Dec. 21.
- Terry, Bennett F., Stamford, Conn. Document conveyer. 2,443,281, June 15.
- Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Flow-proportioning valve. 2,447,920, Aug. 24.
- Terry, Donald M.: *See—*
Edson, James O., and Terry.
- Terry, Matson C., Rydal, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Air conditioning apparatus. 2,451,366, Oct. 12.
- Terry, Roy V.: *See—*
Goldsmith, Elsworth H., Terry, and Schaefer.
- Terteling, J. A., & Sons, assignee: *See—*
Hall, Howard E.
- Tessier, Albert H., Worcester, Mass. Closure for headnets. 2,434,873, Jan. 20.
- Tessin, Fred F., Santa Rosa, Calif. Mechanical rake classifier. 2,445,251, July 13.
- Test, Meyer J., Kansas City, Mo., and S. Krasnow, New York, N. Y. Radiation intensity meter. 2,434,297, Jan. 13.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Receiver for used blades. 2,441,777, May 18.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade packaging. 2,442,328, May 25.
- Teta, Angelo M., Manhasset, N. Y. Convertible tricycle. 2,455,281, Nov. 30.
- Teter, John W.: *See—*
Bauer, Oscar W., and Teter.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Reducing a metal oxide catalyst. 2,437,487, Mar. 9.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Dehydrogenating saturated nitriles to unsaturated nitriles. 2,452,505, Oct. 26.

- Teter, John W., Chicago, Ill., and R. B. Smith, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Separation of ammonia and hydrocarbons from mixtures containing ammonia, propane, propylene, and higher boiling materials. 2,444,175, June 29.
- Teter, John W., and O. W. Bauer, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Tetra-chlorobutyroneitrile. 2,444,478, July 6.
- Teter, John W., and W. J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Dehydration of saturated nitriles. 2,453,472, Nov. 9.
- Tetzlaff, Benjamin A., deceased, Riverside, Ill.; L. B. R. W., and C. C. Tetzlaff, executors. 2,453,806, Nov. 2.
- Tetzlaff, Clarence C., et al., executors: See—
Tetzlaff, Benjamin A.
- Tetzlaff, Lillian B., et al., executors: See—
Tetzlaff, Benjamin A.
- Tetzlaff, Ralph W., et al., executors: See—
Tetzlaff, Benjamin A.
- Tetzman, Fred W., Chicago, Ill. Door closing device. 2,441,455, May 11.
- Tewksbury, Lyndon B., Jr.: See—
Paul, Philip T., and Tewksbury.
- Texaco Development Corporation, assignee: See—
Garrison, Allen D.
Gee, William P.
Gibbs, Clifford J., and Stein.
Hare, Donald G. C.
Hayes, Everett P., and Garrison.
- Texas Company, The, assignee: See—
Ashburn, Harry V., Barnett, and Puryear.
Ashburn, Harry V., and Puryear.
Atwell, Harold V.
Barber, Everett M., and Malin.
Bergmann, Eric A., Ashburn, and Eckert.
Davies, James A.
DeJuhasz, Kalman J., and Villforth.
Detwiler, James G.
Eastman, Du Bois.
Fenney, William N.
Furman, George R.
Gaucher, Leon P.
Goldsby, Arthur R., and Clarke.
Goldsby, Arthur R., and Watson.
Grahame, James H.
Herzog, Gerhard.
Herzog, Gerhard, and Crumrine.
Herzog, Gerhard, and Wolf.
Kiersted, Wynkoop, Jr.
Kluge, Herman D., and Patterson.
Korpi, Karl, and Goldsby.
McCleary, Rush F.
McCleary, Rush F., and Roberts.
Millendorf, Alfred J.
Moore, Frank J.
Oosterhout, Johan C. D.
Patterson, John A., and Kluge.
Pever, Ernest F., Clarke, and Hatch.
Puryear, Oney P., and Ashburn.
Richker, Charles.
Scoville, Loren P.
Sensel, Eugene E., and Beck.
Sensel, Eugene E., Smith, and Goldsby.
Stewart, Meredith M.
Stewart, Meredith M., and Moore.
Vermillion, Herbert E.
Wolf, Alexander.
Wolf, Alexander, and Herzog.
- Texfan Company, assignee: See—
Morrison, Hackley.
- Textile Foundation, assignee: See—
Harris, Milton.
- Textile Machine Works, assignee: See—
Haehnel, Herbert E.
Held, Joseph, and Scheer.
- Textile Research Co., assignee: See—
Callahan, Clarence H., and Languirand.
Languirand, William.
- Textron, Incorporated, assignee: See—
Galatioto, Luigi C.
- Thacker, Carlisle M.: See—
Bell, Richmond T., and Thacker.
- Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Alkylation of hydrocarbons. 2,435,761, Feb. 10.
- Thacker, Carlisle M., Highland Park, and H. O. Folkins, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Thermal conversion of hydrocarbons promoted by explosive organic nitrogen compounds. 2,435,760, Feb. 10.
- Thaden, Herbert V., assignor to Thaden Jordan Furniture Corporation, Roanoke, Va. Chair. 2,439,322, Apr. 6.
- Thaden Jordan Furniture Corporation, assignee: See—
Thaden, Herbert V.
- Thalner, Robert R.: See—
Sziklai, George C., and Thalner.
- Thalner, Robert R., Princeton, N. J., assignor to Radio Corporation of America. Control system. 2,451,640, Oct. 19.
- Thames, Frank C., San Antonio, Tex. Machine for shearing green corn from the cob, including an annular rotary cutter. 2,455,449, Dec. 7.
- Thanem, Oswald I., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Centering device. 2,455,827, Dec. 7.
- Thatcher, Jack P.: See—
Koon, Archie W., and Thatcher.
- Thatcher, Russell N., New York, N. Y. Three-color mechanical pencil. 2,434,234, Jan. 6.
- Thau, Marcus, New York, assignor to Lacquer & Chemical Corporation, Brooklyn, N. Y. Making a lacquer enamel. 2,451,785, Oct. 19.
- Thayer Company, assignee: See—
Murray, George W., and Thayer.
Strott, Robert E.
Troendle, William C.
- Thayer, Gordon B., Saginaw, and R. D. Lowry, Midland, assignors to The Dow Chemical Company, Midland, Mich. Plastic tube fitting. 2,439,351, Apr. 6.
- Thayer, Josephus J.: See—
Gilbert, Harry A., Tolf, and Thayer.
- Thayer, Richard N., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp holder. 2,441,456, May 11.
- Thayer, Russell M., Kenmore, N. Y., assignor to The Linde Air Products Company. Process and apparatus for transferring measured quantities of liquefied gas. 2,453,766, Nov. 16.
- Thayer, Sidney A.: See—
Doisy, Edward A., Thayer, MacCorquodale, McKee, and Binkley.
- Thedick, John H., Oakland, Calif. Portable boat. 2,457,010, Dec. 21.
- Theg, Wilfred R., Glasgow, Scotland. Hand truck for heavy articles. 2,438,726, Mar. 30.
- Thege, Edwin O. P., assignor to Aktiebolaget Atlas Diesel, Sickla, near Stockholm, Sweden. Uniflow scavenging for engines. 2,440,310, Apr. 27.
- Theil, Michael, and B. A. Woina, assignors to Mullins Manufacturing Corporation, Salem, Ohio. Production of washing machine tubs. 2,455,828, Dec. 7.
- Theis, Frank H., Hutchinson, Kans. Pneumatic grain loader. 2,437,138, Mar. 2.
- Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Clutch actuating mechanism. 2,442,787, June 8.
- Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Automatic clutch. 2,444,964, July 13.
- Themo Electric Manufacturing Company, assignee: See—
Anderson, Cleophas E.
- Then, Edward O., Newark, N. J., assignor to American Can Company, New York, N. Y. Container handle. 2,442,385, June 1.
- Theobald, Thomas O., Royal Oak, Mich. Casting and apparatus therefor. 2,437,177, Mar. 2.
- Theodore, Henry P., assignor to Bobrich Manufacturing Corp., New York, N. Y. Electrically heated comfortable. 2,456,468, Dec. 14.
- Theowick Company, assignee: See—
Wickwire, Theodore H., Jr.
- Therapeutic Research Corporation of Great Britain, Limited, assignee: See—
Duffin, Walter M., and Wilkinson.
Mead, Thomas H., Stack, and Smith.
- Therlaunt, Raymond J., Glenside, assignor to The Budd Company, Philadelphia, Pa. Underframe structure for vehicles, especially trailers. 2,441,106, May 4.
- Thermega Limited, assignee: See—
Singleton, Sidney A.
- Thermoid Company, assignee: See—
Bennett, James B., and McCarter.
Graham, Adelbert M.
- Therrien, Robert F., Toledo, Ohio. Growth poisoning sewer joint. 2,449,731, Sept. 21.
- Theurer, Erich G., Teaneck, N. J. Screw fastening. 2,455,885, Dec. 7.
- Thew Shovel Company, The, assignee: See—
Gillespie, Alex J.
- Thexton Manufacturing Company, assignee: See—
Worel, Glen J.
- Thibodeau, Wilfred E., Cleveland, Ohio. Fuse. 2,434,971, Jan. 27.
- Thie, Herman C., Atlanta, Ga. Ladder leveling device. 2,444,384, June 29.
- Thiegs, Bernard J.: See—
Dieter, Curtis E., and Thiegs.
- Thiel, Fred D.: See—
Ford, William W., and Thiel.
- Thiel, Louis F., Springfield Gardens, N. Y., assignor to American Machine & Foundry Company. Mixing machine gearing. 2,457,612, Dec. 28.
- Thiele, Berthold, assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Wheel mount for carpet sweepers. 2,436,460, Feb. 24.
- Thiele, Hazel L., St. Louis, Mo. Basket liner. 2,439,276, Apr. 6.
- Thielemann, Rudolf H., Schenectady, N. Y., assignor to General Electric Company. Manufacturing bladed rotors. 2,454,580, Nov. 23.
- Thieman, Catherine H., Beaver Dam, Wis. Stove flue cover. 2,453,473, Nov. 9.
- Thieme, George B., Jamaica, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Valve controlling mechanism. 2,439,113, Apr. 6.

- Thieme, Otto, East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Feeding mechanism for accounting machine carriage platens. 2,453,282, Nov. 9.
- Thiesse, Carl E., Porterville, Calif. Material distributor. 2,451,128, Oct. 12.
- Thines, Hubert, Brussels, Belgium. Mine prop. 2,445,543, July 20.
- Thiokol Corporation, assignee: *See—*
Kamlet, Jonas, and Reese.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Making precision antivibration mountings. 2,446,621, Aug. 10.
- Thiry, Leon F., Belgium, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Energy dissipating antivibration device. 2,457,749, Dec. 28.
- Thodos, George, Evanston, Ill., assignor to Phillips Petroleum Company. Furfural purification. 2,446,728, Aug. 10.
- Thodos, George, and C. F. Weinaug, Borger, Tex., assignors to Phillips Petroleum Company. Foam prevention in extractive distillation of hydrocarbons with furfural solvent. 2,449,427, Sept. 14.
- Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for recording or transmitting intelligence. 2,436,126, Feb. 17.
- Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Carriage spacing means for signal-controlled printing apparatus. 2,439,497, Apr. 13.
- Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Record-controlled printing apparatus. 2,448,842, Sept. 7.
- Thomann, Frederick A.: *See—*
Neighbour, Leonard B., and Thomann.
- Thomas, Albert, Munhall, Pa. Parachute shroud link. 2,447,921, Aug. 24.
- Thomas, Albert G., Alexandria, Va. Hair drier. 2,437,366, Mar. 9.
- Thomas, Albert G., Lynchburg, Va. Annular electronic tube. 2,437,365, Mar. 9.
- Thomas, Alden P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injection apparatus. 2,446,497, Aug. 3.
- Thomas, Arthur, Wallington, assignor to Powers Accounting Machines Limited, London, England. Mechanism for feeding statistical record cards and delivering them to a receiver. 2,444,544, July 6.
- Thomas, Asa E., assignor of one-half to J. A. Dunn, Miami, Fla. Colostomy appliance. 2,438,769, Mar. 30.
- Thomas, Bernard C., Renton, Wash. Fish pole. 2,447,720, Aug. 24.
- Thomas, Bertha E., Warren, Pa. Flexible coupling. 2,435,058, Jan. 27.
- Thomas & Betts Co., assignee: *See—*
Badeau, Carroll A., and Clapp.
- Thomas & Betts Co., The, assignee: *See—*
Bergan, Martin D.
Peters, Walter.
- Thomas, Carroll E., Oakland, Calif. Securing a canvas to a frame. 2,456,225, Dec. 14.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Current collector contact member. 2,439,678, Apr. 13.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Brush for dynamoelectric machines. 2,450,698, Oct. 5.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,452,966, Nov. 2.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,454,581, Nov. 23.
- Thomas, Charles E., North Arlington, J. S. Felter, Livingston, and H. J. Ness, assignors to Metallurgical Processes Co., Newark, N. J. Metallurgical furnace. 2,456,469, Dec. 14.
- Thomas, Charles L., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,444,645, July 6.
- Thomas, Charles L., Western Springs, and E. C. Lee, deceased, by J. T. Cullinan, administrator, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of a silica-alumina-zirconia catalyst. 2,439,994, Apr. 20.
- Thomas, Charles L., Winnetka, and C. F. Gerald, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion catalyst. 2,441,214, May 11.
- Thomas, Charles L., Riverside, Ill., and J. C. Morrell, Chevy Chase, Md., assignors to Universal Oil Products Company, Chicago, Ill. Catalyst composition. 2,444,965, July 13.
- Thomas, Charles L., Winnetka, and Vladimir Haensel, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,448,160, Aug. 31.
- Thomas, Charles M., St. Louis, Mo. Piston device. 2,448,932, Sept. 7.
- Thomas, Douglas W., Englewood, assignor to Boyle-Midway Inc., Jersey City, N. J. Magnetic cap guide. 2,440,030, Apr. 20.
- Thomas, Frank G.: *See—*
Chesus, Frank O., and Thomas.
Richardson, Avery G., Chesus, and Thomas.
- Thomas, Frank M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intermittent drive device. 2,451,416, Oct. 12.
- Thomas, George E., Bogalusa, La. Lawn mowing machine. 2,451,589, Oct. 19.
- Thomas, Henry, Chingford, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicing machine having multiple reciprocating blades, with a guard. 2,436,703, Feb. 24.
- Thomas, Henry E., Vallejo, Calif. Automatic power factor controller. 2,448,843, Sept. 7.
- Thomas, Howard R., Kensington, Md. Long-base strain or distance gauge. 2,445,340, July 20.
- Thomas, James H.: *See—*
Burns, Henry L., and Thomas.
- Thomas, Jesse B., Jackson Heights, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Packless valve. 2,442,625, June 1.
- Thomas, John, assignee: *See—*
Lee, Robert E.
- Thomas, John, Milwaukee, Wis. Overhead door guiding and latching mechanism. 2,453,554, Nov. 9.
- Thomas, John W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Forming caps, closures, and the like. 2,442,965, June 8.
- Thomas, John W., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure and container. 2,445,647, July 20.
- Thomas, Joseph E., Los Angeles, Calif. Can piercer. 2,454,725, Nov. 23.
- Thomas, Joseph J., Los Angeles, Calif. Muffler. 2,450,212, Sept. 28.
- Thomas, Laurence H.: *See—*
Kuhn, Frank, and Thomas.
- Thomas, Leon C., Greensboro, N. C. Indoor golf putting practice apparatus. 2,453,605, Nov. 9.
- Thomas, Lewis A.: *See—*
Spencer, James A., Kennedy, and Thomas.
- Thomas, Loren, and L. Bell, Port Huron, Mich. Dispenser for matches and the like. 2,435,297, Feb. 3.
- Thomas, M. & W. Co., assignee: *See—*
Thomas, William R., 3rd.
- Thomas, McCallip J., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Refining of inositol solutions. 2,456,470, Dec. 14.
- Thomas, McCallip J., and R. F. Larson, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Treatment of corn steepwater. 2,444,176, June 29.
- Thomas, Michael, assignor to T & M Manufacturing Company, Los Angeles, Calif. Offset clamping connector. 2,442,103, May 25.
- Thomas, Orrin H., Williamsport, Pa. Connector plug. 2,452,967, Nov. 2.
- Thomas, Percival E., assignor to Sterling Industries Limited, London, England. Change-over mechanism for fluid-flow systems. 2,448,933, Sept. 7.
- Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Self-sealing pipe coupling. 2,439,760, Apr. 13.
- Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Self-sealing pipe coupling. 2,453,389, Nov. 9.
- Thomas, Ralph B., Beverly, and M. D. Betts, Rockport, assignors to Sylvania Electric Products Inc., Salem, Mass. Electric lamp. 2,455,829, Dec. 7.
- Thomas, Robert M.: *See—*
Calfee, John D., and Thomas.
Sparks, William J., and Thomas.
- Thomas, Robert M., C. W. Ostrander, and W. H. Kaelin, Baltimore, Md., assignors, by mesne assignments, to Rheem Manufacturing Company, San Francisco, Calif. Coating on metals. 2,434,525, Jan. 13.
- Thomas, Robert W., assignee, executor: *See—*
Miller, Frank P.
- Thomas, Talbott E., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Curing bag. 2,435,466, Feb. 3.
- Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism. 2,457,750, Dec. 28.
- Thomas, William, San Francisco, Calif. Combination bevel. 2,446,067, July 27.
- Thomas, William, Keddie, Calif. Combination bevel. 2,457,613, Dec. 28.
- Thomas, William D., Jr.: *See—*
Cook, Elmer W., and Thomas.
- Thomas, William R., 3rd, Bethlehem, Pa., assignor to M. & W. Thomas Co., New York, N. Y. Textile fabric. 2,445,751, July 27.
- Thomas Wright Co., Inc., The, assignee: *See—*
Bruno, Samuel J.
- Thomason, Falls L., Charlotte, N. C. Lubrication apparatus for twister rings. 2,447,548, Aug. 24.
- Thomason, Walter A., Jr., U. S. Army, Charlotte, N. C. Trousers and suspender combination. 2,437,714, Mar. 16.
- Thomes, Edwin J., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Grid for fluid fuel stoves. 2,444,862, July 6.

- Thomlinson, William G., Glasgow, Scotland. Inking apparatus for printing machines. 2,450,494, Oct. 5.
- Thommen, George S., assignor to Sports Products Corporation, New York, N. Y. Golf bag shape retaining insert. 2,435,470, Feb. 3.
- Thommen, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Gas blast circuit breaker. 2,453,555, Nov. 9.
- Thompkins, Albert H., Springfield, Mass. Flexible sear mechanism for firearms. 2,455,830, Dec. 7.
- Thompson, Albert E., administrator: *See*—Thompson, Francis E.
- Thompson, Alfred L., Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Refrigerant container construction for railway refrigerator cars. 2,452,164, Oct. 26.
- Thompson, Alonzo Z., Selma, N. C. Logging cart. 2,452,338, Oct. 26.
- Thompson, Boyd S., assignor of one-half to M. Brian Jones, Houston, Tex. Hot wire clamp. 2,448,402, Aug. 31.
- Thompson Brothers, assignee: *See*—Thompson, Donald W.
- Thompson, Clifford J., Davenport, Fla. Bag seal and handle. 2,437,055, Mar. 2.
- Thompson, Clifford J., Davenport, Fla., assignor to Fruit Growers Express Company. Temperature measuring apparatus. 2,457,751, Dec. 28.
- Thompson, Clyde R., Salt Lake City, Utah. Traction device. 2,443,406, June 15.
- Thompson, Donald W., Windham, N. Y., assignor to Thompson Brothers. Sleigh. 2,437,767, Mar. 16.
- Thompson, Douglas E., Chicago, Ill. Scoring device consisting of inclined ladder structure and folding standard therefor. 2,440,129, Apr. 20.
- Thompson, Edward B., Downers Grove, Ill. Child's folding seat. 2,449,629, Sept. 21.
- Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle hoist. 2,443,405, June 15.
- Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Piston oil seal and wiper assembly. 2,451,888, Oct. 19.
- Thompson, Ernest, assignee: *See*—Hurst, George L.
- Thompson, Floyd L., assignor to P. Thorne, Los Angeles, Calif. Door hook. 2,436,533, Feb. 24.
- Thompson, Francis E., deceased, late of Lawrence, by A. E. Thompson, administrator, Methuen, Mass. Lawn mower gear and locking device. 2,438,980, Apr. 6.
- Thompson, Frank W., New Haven, assignor to E. Gregory, Hamden, Conn. Electric cooking heater. 2,446,666, Aug. 10.
- Thompson, George J., G. L. Koester, Jr., and J. B. Fullman, United States Navy. Expansion coupling. 2,450,458, Oct. 5.
- Thompson Grinder Company, The, assignee: *See*—Kraft, Frederick G.
- Toulinin, Harry A., Jr. Wilson, John C.
- Thompson, Harold L., Athol, and N. King, Fitchburg, Mass., assignors to ATF Incorporated. Toolholder. 2,450,365, Sept. 28.
- Thompson, Harry E., Sidney, Ohio. Sealed refrigeration unit. 2,452,807, Nov. 2.
- Thompson, Helmer T.: *See*—Sadusky, Edward, and Thompson.
- Thompson, Ivan P.: *See*—Miller, Alfred J., and Thompson.
- Thompson, James R., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Steel wool. 2,451,417, Oct. 12.
- Thompson, John G., assignor to Arter Grinding Machine Company Worcester, Mass. Grinding machine. 2,435,059, Jan. 27.
- Thompson, Joseph A., Jr., Oklahoma City, Okla. Foot warmer. 2,442,026, May 25.
- Thompson, Joseph C., Hagerstown, Ind., assignor to Perfect Circle Corporation. Piston ring. 2,445,090, July 13.
- Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Multitone whistle. 2,454,105, Nov. 16.
- Thompson, Joshua B.: *See*—Sutherland, Brian P., Thompson, Simpkinson, and Morris.
- Thompson, Julien A.: *See*—Ballantyne, William G., and Thompson.
- Thompson, Leslie E., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier. 2,444,385, June 29.
- Thompson, Leslie E., and A. Jenkins, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier. 2,237,336, Mar. 9.
- Thompson, Lewis H., Anson, Tex. Scarifying and inoculating needle. 2,445,010, July 13.
- Thompson, Lincoln, assignor to The Soundsciber Corporation, New Haven, Conn. Phonograph recording head. 2,441,651, May 18.
- Thompson, Lloyd, Kansas City, Mo. Reproducing sound motion pictures in synchronism with the picture and sound on separate media. 2,454,491, Nov. 23.
- Thompson, Louis W., Schenectady, and F. E. Crever, Scotia, N. Y., assignors to General Electric Company. Excitation system for alternating current dynamoelectric machines. 2,454,582, Nov. 23.
- Thompson, Merle O., Seymour, Ind. Sled runner. 2,453,767, Nov. 16.
- Thompson, Merrill M., and W. E. Moline, assignors to The National Cash Register Company, Dayton, Ohio. Bright dipping. 2,434,021, Jan. 6.
- Thompson, Norman J., Newton, assignor to Factory Mutual Research Corporation, Boston, Mass. Fire extinguisher. 2,450,569, Oct. 5.
- Thompson, Oscar T., Neenah, Wis., and D. D. Feagles, Niagara Falls, N. Y., assignors to International Cellulose Products Company, Chicago, Ill. Apparatus for softening sanitary napkin pads. 2,439,761, Apr. 13.
- Thompson, Parke H., Kirkwood, assignor to AMP Corporation, St. Louis, Mo. Fuze. 2,435,415, Feb. 3.
- Thompson, Parke H., Kirkwood, assignor to AMP Corporation, St. Louis, Mo. Float switch. 2,440,987, May 4.
- Thompson, Parke H., Kirkwood, assignor to AMP Corporation, St. Louis, Mo. Intermittently vibrating electric motor. 2,456,846, Dec. 21.
- Thompson Products, Inc., assignee: *See*—Aldredge, Marshall H.
- Anderson, David E.
- Bartlett, Kenneth M., and Pekerek.
- Booth, James H.
- Bowers, Thomas A.
- Cooley, Perry E.
- Cummings, Robert E.
- Cunningham, John E., and Kempe.
- Curtis, William H. and R. R.
- Gibian, Emil F.
- Heinrich, August H.
- Johnson, Paul P.
- Kempe, Robert A.
- Marencik, William J.
- Newton, John A., and Hoertz.
- Spotz, Donald R.
- Sterling, James G.
- Vallee, Phillip W.
- Venditty, Anthony.
- Waag, Norman E., and Anderson.
- Wischhausen, John.
- Thompson Products, Incorporated, assignee: *See*—Venditty, Anthony.
- Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Condensation of an arylalkane in the presence of lead alkyl. 2,450,099, Sept. 28.
- Thompson, Ralph C.: *See*—Ferguson, Fredrick G., and Thompson.
- Thompson, Richard A., and E. E. Eriksson, Detroit, and J. Carlson, Grosse Pointe Farms; said Eriksson and said Thompson assignors to Orchard Industries, Inc., Detroit, Mich.; said J. Carlson assignor, by decree of court, to M. E. H. W. Carlson. Rear grip for fishing rod handles. 2,454,529, Nov. 23.
- Thompson, Robert F.: *See*—Dreyfus, Camille, Rowley, and Thompson.
- Thompson, Robert J., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Pen control mechanism for paper ruling machine. 2,448,285, Aug. 31.
- Thompson, Robert T., Oak Park, Ill., assignor to Zenith Radio Corporation. Coil mounting. 2,445,979, July 27.
- Thompson, Robert T., Oak Park, Ill., assignor to Zenith Radio Corporation. Radio receiver noise suppression circuit. 2,455,450, Dec. 7.
- Thompson, Roy E., Seattle, Wash. Self-locking screw. 2,447,439, Aug. 17.
- Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Process for producing dye intermediates. 2,450,400, Sept. 28.
- Thompson, Walter L.: *See*—Shelton, Elbert M., and Thompson.
- Thompson, Wesley, assignee: *See*—Young, David S.
- Thompson, William H.: *See*—Davis, Howard C., and Thompson.
- Thompson, William H., Wilson, Kans. Apparatus for engraving tombstones and the like. 2,450,401, Sept. 28.
- Thompson, William I., Westfield, N. J., assignor to Standard Oil Development Company. Regeneration of solid materials. 2,434,602, Jan. 13.
- Thompson's Ltd., assignee: *See*—Keller, Auguste V.
- Thomson, Alex, administrator: *See*—White, Sidney Y.
- Thomson, E. Craig, Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic timing apparatus. 2,450,460, Oct. 5.
- Thomson, E. Craig, Boston, assignor to Photoswitch Incorporated, Cambridge, Mass. Electric supervisory apparatus. 2,452,615, Nov. 2.
- Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Apparatus for supervising heat generating means. 2,455,536, Dec. 7.
- Thomson, Elihu C., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic comparator densitometer. 2,442,910, June 8.

- Thomson, Elihu C., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electrode system. 2,450,459, Oct. 5.
- Thomson, George J.: *See*—
MacTaggart, Arthur B., and Thomson.
- Thomson, Homer G.: *See*—
Megow, George E., and Thomson.
- Thomson, John B., assignee: *See*—
Ferber, Hulbert K.
- Thomson, Leslie, Minneapolis, Minn. Holder for pressing irons. 2,439,438, Apr. 13.
- Thomson, Peter, Wilmington, Del. Scaffold support. 2,435,060, Jan. 27.
- Thomson, Robin H. K., Kilwinning, and W. Sever, Troon, Scotland, assignors to Imperial Chemical Industries Limited. Apparatus for ageing solutions of colloidal material. 2,435,416, Feb. 3.
- Thomson, Samuel G., Flushing, N. Y. Litter stretcher-bar assembly. 2,455,027, Nov. 30.
- Thonet Brothers, Inc., assignee: *See*—
Weill, Bruno R.
- Thor Corporation, assignee: *See*—
Gerhardt, Andrew H., and Schulz.
- Thoresen, Oscar, Pittsburgh, Pa. Siren top. 2,456,341, Dec. 14.
- Thoreson, Theodore, Wausaw, Wis. Collar clasp. 2,448,845, Sept. 7.
- Thorn, Frederick C., and R. M. Waples, assignors to The Garlock Packing Company, Palmyra, N. Y. Packing ring. 2,444,119, June 29.
- Thorn, Maurice S.: *See*—
Tognola, Tullio, and Thorn.
- Thornburg, Herbert W., assignor to Bucyrus Erie Company, South Milwaukee, Wis. Leveling device for cable-tool drills. 2,443,209, June 15.
- Thornburg, Vincent E.: *See*—
Tyler, John M., and Thornburg.
- Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Machine for making can bodies from flattened tubing. 2,436,409, Feb. 24.
- Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Preparing tubing for transportation. 2,453,165, Nov. 9.
- Thorne, Lois A.: *See*—
Butterfield, George P., and Thorne.
- Thorne, Pat, assignee: *See*—
Thompson, Floyd L.
- Thorngren, Helmer A., Detroit, Mich. Apparatus for grinding the surfaces of grooved rolls. 2,444,793, July 6.
- Thornhill, Fred S.: *See*—
Amon, Fred H., and Thornhill.
- Thornhill, Homer E., Houston, Tex. Ring sealed joint. 2,454,356, Nov. 23.
- Thornhill, Peter W., assignor to The Ribbesford Company Limited, Leamington Spa, England. Pneumatic shock absorber. 2,450,387, Sept. 28.
- Thorns, Phillip M., Clements, Calif. Haymaking machine. 2,437,007, Mar. 2.
- Thornton, Alfred E., assignor to Thos. Firth & John Brown Limited, Sheffield, England. Austenitic alloy steels. 2,449,023, Sept. 7.
- Thornton, Marion V., Spokane, Wash. Oil purifier. 2,447,144, Aug. 17.
- Thornton, Rudolph B., Winchester, Mass. Portable fire alarm. 2,446,794, Aug. 10.
- Thornton, Ulysses, Chicago, Ill. Body attached umbrella. 2,434,526, Jan. 13.
- Thrp, Clark E., Chicago, and L. E. Anderson, Chicago Heights, Ill., assignors to J. B. Hawley, deceased, Babson Park, Fla., D. M. Hawley, and E. Donnelly, administrators, assignors to Hawley Products Company. Consistency control. 2,437,715, Mar. 16.
- Thorpe, Christopher H. M.: *See*—
Carsten, Han R. F., and Thorpe.
- Thorpe, Warren, Lawrence, N. Y. Information posting board. 2,436,836, Mar. 2.
- Thorpe, Warren, New York, N. Y. Information posting board. 2,456,226, Dec. 14.
- Thrallkill, Orville W., Wellington, Kans. Securing device. 2,439,995, Apr. 20.
- Thralls, Harry O., Glendale, Calif. Mutually controlled camera shutter and flash lamp. 2,443,208, June 15.
- Threads, Incorporated, assignee: *See*—
Cone, Richard R.
- Threeedy, Clarence E., assignee: *See*—
Sandell, Henry K.
- Threeedy, Clarence E., assignee, trustee: *See*—
Tratsch, Walter A.
- Throckmorton, Edgerton A.: *See*—
Couch, Robert D., Potter, and Throckmorton.
- Throckmorton, John W.: *See*—
Wallis, John S., and Throckmorton.
- Throdahl, Monte C., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing butadiene polymers. 2,434,129, Jan. 6.
- Throsel, Harry E., Waukegan, Ill. Engine starting device. 2,448,844, Sept. 7.
- Thrower, William J., Chester, W. Va. Clothes line reel. 2,438,188, Mar. 23.
- Thuline, Horace C., W. F. Parsons, and G. P. Waugh, assignors to Eastman Kodak Company, Rochester, N. Y. Thermoplastic cement. 2,438,953, Apr. 6.
- Thumann, Wesley W., Stuttgart, Ark. Battery terminal clamp. 2,453,474, Nov. 9.
- Thunberg, Leander O., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Feed claw and shutter movement for motion-picture mechanisms. 2,451,452, Oct. 12.
- Thunder, Harold G.: *See*—
Lane, Guy M., and Thunder.
- Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.
- Thurber, Francis H.: *See*—
Dexter, Gregory M., and Thurber.
- Thurn, Harry A., assignor to H. S. Rapp, Warren, Pa. Washing machine conveyor. 2,445,371, July 20.
- Thurnell, Orville D., and J. J. Cannistra, Chicago, Ill. Flashlight. 2,454,895, Nov. 30.
- Turner Engineering Company, assignee: *See*—
Kujawski, Barney.
- Thurston, Ernest B., assignor to The Houghton Elevator Company, Toledo, Ohio. Hoisting motor control system. 2,451,257, Oct. 12.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Amino substituted aryl guanamines. 2,447,440, Aug. 17.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Aldehyde condensation products of sulfonated aromatic compounds as cation exchange resins. 2,440,669, Apr. 27.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Arylazoarylguanides. 2,444,013, June 22.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing insolubilized sulfonates and products thereof. 2,455,282, Nov. 30.
- Thynell, Gustave M., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Telemetering apparatus of the impulse-duration class. 2,451,129, Oct. 12.
- Thys, Edouard, assignor to Thys and Miller, Sacramento, Calif. Machine for stripping hops from vines. 2,448,063, Aug. 31.
- Thys and Miller, assignee: *See*—
Thys, Edouard.
- Tibbetts Laboratories, Inc., assignee: *See*—
Tibbetts, Raymond W.
- Tibbetts, Raymond W., Camden, Maine, assignor to Stator Corporation, Providence, R. I. Manufacture of double walled vessels. 2,435,806, Feb. 10.
- Tibbetts, Raymond W., assignor to Tibbetts Laboratories, Inc., Camden, Maine. Method and apparatus for shaping crystal bodies. 2,446,443, Aug. 3.
- Tice, Wayne E.: *See*—
Weyenberg, Henry, and Tice.
- Tiddy, William, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation. Treating coal tar containing a small amount of ammonium chloride. 2,440,311, Apr. 27.
- Tideman, Harold F., Kenilworth, Ill. Ventilator. 2,456,340, Dec. 14.
- Tide Water Associated Oil Company, assignee: *See*—
Beattie, Robert.
- Tidwell, John L., Homedale, Idaho. Track tool. 2,447,216, Aug. 17.
- Tiefenthal, Joseph, West Babylon, N. Y. Hand-operated loom. 2,437,716, Mar. 16.
- Tierney, Hubert J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,438,195, Mar. 23.
- Tierney, William J., C. L. Harmon, and F. W. A. Villemure, assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of S. B. and J. T. Atwood. Automobile door latch mechanism. 2,435,987, Feb. 17.
- Tietje, Chester, Park Hills, Ky. Shoe tree. 2,456,756, Dec. 21.
- Tietje, Carl A., Montclair, N. J. Drawer cabinet with ejecting and adjusting means. 2,441,678, May 18.
- Tietsema, Oleva I., administratrix, assignee: *See*—
Tietsema, Tim.
- Tietsema, Tim, Oviedo, Fla., O. I. Tietsema, administratrix of said T. Tietsema; assignor of one-half to O. I. Tietsema and one-half to O. M. Packard. Hydraulic drum jack and carrier. 2,437,982, Mar. 16.
- Tift, Emerson B., Hopedale, assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,434,819, Jan. 20.
- Tift, Emerson B., Hopedale, assignor to Draper Corporation, Hopedale, Mass. Loom temple roll. 2,434,820, Jan. 20.
- Tileston, Clarence A., Glen Rock, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cable stripping device. 2,435,660, Feb. 10.
- Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Magnetron. 2,452,272, Oct. 26.

- Tiley, John W., Philadelphia, and D. E. Sunstein, Elkins Park, Pa., assignors to Philco Corporation, Philadelphia, Pa. Microwave power measuring apparatus. 2,453,283, Nov. 9.
- Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Microwave power measuring apparatus. 2,453,645, Nov. 9.
- Tiley, John W., Philadelphia, Pa., assignor to Philco Corporation. Phase adjuster for fixed-branch wave guide. 2,454,530, Nov. 23.
- Tillman, Ferdinand J., St. Louis, Mo. Carriage controlled stop setting and key operating mechanism for typewriting machines. 2,450,925, Oct. 12.
- Tillman, John E., Stratford, Conn., assignor to General Electric Company. Adjustable mutual coupling. 2,438,770, Mar. 30.
- Tills, John W., Upton, England. Fluid stream vacuum pump. 2,436,704, Feb. 24.
- Tilly, James O., Tulsa, Okla. Envelope and package opener. 2,439,639, Apr. 13.
- Timber Engineering Company, assignee: *See*—Farber, Eduard.
- Timberlake, Journey F., Charlottesville, Va. Method and apparatus for making beverages. 2,437,768, Mar. 16.
- Timberman, De Wilton B.: *See*—Mitchell, Edmund G., and Timberman.
- Time, Inc., assignee: *See*—Faerber, Harry W.
- Timenes, Nicolai: *See*—Hawley, Thomas G., Jr., and Timenes.
- Times Facsimile Corporation, assignee: *See*—Cooley, Austin G.
- Timken-Detroit Axle Company: *See*—Buckendale, Lawrence R.
- Timken-Detroit Axle Company, The, assignee: *See*—Alden, Herbert W.
Bergstrom, Albert L., and Stover.
Bowen, Cedric A.
Brownner, Nelson R.
Buckendale, Lawrence R.
Buckendale, Lawrence R., and Keese.
Buckendale, Lawrence R., and Super.
Morgan, Mathew B.
Rundt, John W.
Thomas, Alden P.
- Timken Roller Bearing Company, The, assignee: *See*—Baker, John B., and Stover.
Boden, Ernest G.
Bontee, Frederick R.
Buckwalter, Tracy V.
Edwards, Herbert C.
Hite, Everett C.
Horger, Ralph E.
McNicol, David.
- Timmerman, Julius W., Jr.: *See*—Paul, William E., Timmerman, and Bold.
- Timmerman, Julius W., Jr., Springfield, Pa., assignor to General Electric Company. Electric circuit breaker. 2,436,191, Feb. 17.
- Timmons, Amieal A., assignor of ninety-eight per cent to W. Timmons, McKinney, Tex. Die assembly and rubber insert for flanging sheet metal. 2,449,428, Sept. 14.
- Timmons, Wayde, assignee: *See*—Timmons, Amieal A.
- Tingquist, Stanley C.: *See*—Fox, Edward A., Jr., and Tingquist.
- Tinkham, Russell J., Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Apparatus for showing pressure versus volume diagram. 2,445,046, July 13.
- Tinnell, Wayne, Cincinnati, Ohio. Welding electrode holder. 2,453,768, Nov. 16.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,435,908, Feb. 10.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,438,523, Mar. 30.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,443,362, June 15.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,443,752, June 22.
- Tinnerman, George A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,451,591, Oct. 19.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,455,028, Nov. 30.
- Tinnerman Products, Inc., assignee: *See*—Flanagan, John E.
Flora, Laurence H.
Hartman, Richard A.
Tinnerman, George A.
Tinnerman, George A., and Flora.
- Tinsley, Clifford R., Beverly, N. J., assignor to United States Pipe and Foundry Company. Reclaiming used metal molds. 2,437,626, Mar. 9.
- Tinsley (Industrial Instruments) Limited, assignee: *See*—Steghart, Fritz L., and Gall.
- Tint, Lester M., Palo Alto, Calif. Strain gage assembly. 2,440,706, May 4.
- Tippen, Frank J., Coventry, England, assignor to L. P. Lee, Stratford-on-Avon, England. Pressure fluid servomotor. 2,447,825, Aug. 24.
- Tippetts, Emerson A., Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing artificial yarn. 2,439,829, Apr. 20.
- Tirrell, Leslie L., Benton Harbor, Mich., assignor to The Hydroblast Corporation, Chicago, Ill. Method and apparatus for sand blasting. Re. 23,064, Dec. 14.
- Tischendorf, Werner, Chardon, Ohio. Razor blade holder. 2,437,337, Mar. 9.
- Tishler, Max: *See*—Pfister, Karl, III, and Tishler.
Van de Kamp, Jacob, and Tishler.
Weiljard, John, and Tishler.
- Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Tetraacetylribonamide and making it. 2,434,060, Jan. 6.
- Titanium Alloy Manufacturing Company, assignee: *See*—Kinzie, Charles J., and Wainer.
Prior, Harold D.
Wainer, Eugene.
Wainer, Eugene, and Salomon.
- Titanium Alloy Manufacturing Company, The, assignee: *See*—Wainer, Eugene, and Van Mater.
- Titellex, Inc., assignee: *See*—Ingalls, David.
Ingalls, David, and Petersen.
Peters, Melville F., and Phillips.
Robertson, Edwin A.
Wyllie, John S.
- Title, Hulburt C., Cheektowaga, assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning control circuit. 2,452,878, Nov. 2.
- Tjoft, Gerald B., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Well drilling mud and process. 2,445,893, July 27.
- Tobacco By-Products and Chemical Corporation, assignee: *See*—Galloway, Arthur L.
- Tobe Deutschmann Corporation, assignee: *See*—Sutter, Erwin L.
- Tobey, Alton E., Santa Cruz, Calif. Abrasive wheel casing. 2,436,621, Feb. 24.
- Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ice cube freezing apparatus. 2,438,466, Mar. 23.
- Tobias, Cornelius A., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Resuscitation apparatus. 2,453,475, Nov. 9.
- Tobin Packing Co., Inc., assignee: *See*—Cross, George L.
- Todd, Edgar B., Billings, Mont. Aircraft control system for control surfaces and wheel brakes. 2,457,508, Dec. 28.
- Todd, Romie P., Charleston, W. Va. Opposed contact distance instrument of the trammel beam type. 2,433,935, Jan. 6.
- Todhunter, Arthur, Montreal, Quebec, Canada. Building construction. 2,440,763, May 4.
- Toelke, August F., St. Louis County, assignor to The Alamo Corporation, Clayton, Mo. Fence knob. 2,438,237, Mar. 23.
- Toelle, August, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Combined battery terminal and thermal regulator. 2,442,445, June 1.
- Toelle, Walter H., and F. R. Ulbrich, assignors to H. L. Judd Company, Wallingford, Conn. Drapery fixture. 2,446,667, Aug. 10.
- Toepfer, Edward J., Milwaukee, Wis. Lawn mower sharpener. 2,441,045, May 4.
- Tofflemire, Benjamin F., La Fayette, Calif. Matrix retainer. 2,439,703, Apr. 13.
- Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug electrode structure. 2,439,590, Apr. 13.
- Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,447,376, Aug. 17.
- Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Insulating means and method of making the same. 2,450,532, Oct. 5.
- Tognola, Tullio, Sidney, and M. S. Thorn, Oneonta, assignors to Bendix Aviation Corporation, New York, N. Y. Device for regulating electrical discharge. 2,447,377, Aug. 17.
- Tognola, Tullio, and L. H. Segall, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Spark plug and making the same. 2,453,048, Nov. 2.
- Toidey Company, Gertrude A. Muller, Inc., The, assignee: *See*—Muller, Gertrude A.
- Tolan, James E., Narberth, Pa., assignor to Warren Webster & Company, Camden, N. J. Finned radiator construction. 2,454,357, Nov. 23.
- Toland, Wayne G., Canton, Ill., assignor to International Harvester Company. Wheel construction. 2,450,100, Sept. 28.
- Toland, William C., Brookline, and M. H. Hamilton, Lexington, assignors, by mesne assignments, to W. C. Toland, Brookline, Mass. Fountain solution roller. 2,453,735, Nov. 16.

- Toledo Automatic Brush Machine Company, The, assignee: *See*—
Jobst, Conrad.
- Toledo Engineering Company, Inc., assignee: *See*—
Schwalbe, Franz G.
- Toledo Scale Company, assignee: *See*—
Gaul, Blair H.
Richard, Grant M.
Williams, Lawrence S.
Yeasting, Maynard C.
- Toledo Stamping and Manufacturing Company, assignee: *See*—
Ronfeldt, Henry C.
- Toles, Louis A., Ridgeville Corners, Ohio. Lever operated axially shifting tire removing device. 2,449,960, Sept. 21.
- Tolf, Ingvar L.: *See*—
Gilbert, Harry A., Tolf, and Thayer.
- Tollefsen, Reidar A., Brighton, and R. A. Hunt, Greece, assignors to Rochester Manufacturing Company, Rochester, N. Y. Maximum demand indicator. 2,457,286, Dec. 28.
- Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Mechanism for weighing and discharging articles into selected compartments. 2,436,534, Feb. 24.
- Tolley, Donald B., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Burner for brooder stoves. 2,457,614, Dec. 28.
- Tollison, Paul L., North Plainfield, and C. L. Ricards, South Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Stereotype plate-cooling machine. 2,446,858, Aug. 10.
- Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Corporation, Plainfield, N. J. Web cutting mechanism. 2,450,312, Sept. 28.
- Tolotti, Albert A., Reno, Nev. Skate clamp. 2,453,876, Nov. 16.
- Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Image-forming heat detector. 2,435,519, Feb. 3.
- Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. System for comparison or analysis of information. 2,438,588, Mar. 30.
- Tolson, William A., and C. A. Meneley, Princeton, N. J., assignors to Radio Corporation of America. Synchronous induction motor. 2,442,626, June 1.
- Tolson, William A., Princeton, N. J., assignor to Radio Corporation of America. Optical heat detection system. 2,456,801, Dec. 21.
- Tome, Charles A., Wilmington, Del. Collapsible wall type container. 2,435,251, Feb. 3.
- Tomek, Ernst J., Danbury, assignor to Connecticut Tool & Engineering Company, Bridgeport, Conn. Drilling machine. 2,454,235, Nov. 16.
- Tomiuk, Marklan: *See*—
Richmond, Henry H., and Tomiuk.
- Tomkins, Walter M., and A. C. Larkin, Pointe St. Charles, Montreal, J. C. Anthony and O. K. Ross, St. Laurent, Quebec, Canada, and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for immersing edge portions of black plate in successive treating baths. 2,452,879, Nov. 2.
- Tomlin, George M., Flixton, near Manchester, and H. Burrows, Manchester, England. Toy, display device, and the like. 2,453,646, Nov. 9.
- Tomlin, John R., Arlington, Va.: R. E. Remington, administrator of said J. R. Tomlin, deceased. Drop-testing device. 2,452,084, Oct. 26.
- Tomlin, Stanley G., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Electron beam tube for ultra high frequencies. 2,444,073, June 29.
- Tomlin, Stanley G., assignor to Standard Telephones and Cables Limited, London, England. Ultra high frequency electric oscillator. 2,445,810, July 27.
- Tomlin, Stanley G., assignor to Standard Telephones and Cables Limited, London, England. Thermionic device for use with wave guides. 2,450,026, Sept. 28.
- Tomlinson, Clarence L., assignor of one-half to R. J. Brandt, Los Angeles, Calif. Apparatus for transmitting motion-picture light images. 2,440,312, Apr. 27.
- Tomlinson, Clarence L., assignor of one-half to R. J. Brandt, Los Angeles, Calif. Shutterless motion picture lens system. 2,440,313, Apr. 27.
- Tommen, Willi: *See*—
Babey, Charles, Tommen, and Stocker.
- Tompkins, Howard E., Ridley Park, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Resonant cavity tuning device. 2,442,671, June 1.
- Tompkins, Norman G., Arlington, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pinewood extract. 2,435,909, Feb. 10.
- Tondreau, Albert W., North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Color motion-picture camera. 2,439,996, Apr. 20.
- Toner, George E., assignor to B. H. Sobelman, Philadelphia, Pa. Grain trimmer. 2,446,968, Aug. 10.
- Toner, John P., Woodhaven, assignor to Arma Corporation, Brooklyn, N. Y. Electric antihunt servo system. 2,457,330, Dec. 28.
- Tongberg, Carl O., Westfield, N. J., assignor to Standard Oil Development Company. Olefin extraction. 2,451,050, Oct. 12.
- Tongue, Thomas O., assignor to The Davison Chemical Corporation, Baltimore, Md. Method and apparatus for removing gel. 2,443,282, June 15.
- Tonkin, George, Klamath Falls, Oreg. Motor vehicle door lock. 2,438,238, Mar. 23.
- Toolan, John J., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin control and credit register mechanism. 2,435,933, Feb. 10.
- Toombs, Girard S.: *See*—
Glaser, Edward M., and Toombs.
- Toomim, Hershel: *See*—
Rights, Herbert T., and Toomim.
- Toone, Ralph N., Wollaton Park, Nottingham, England. Thread tensioning device. 2,451,889, Oct. 19.
- Tootal Broadhurst Lee Company Limited, assignee: *See*—
Hall, Archibald J., and Wood.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Variable displacement pump. 2,450,570, Oct. 5.
- Topjian, Daniel, Watertown, Mass. Garment protector. 2,438,771, Mar. 30.
- Topp, Fred J., assignee: *See*—
Kehoe, Michael J.
- Torbensen, Gertrude S., assignee: *See*—
Torbensen, Viggo V.
- Torbensen, Viggo V., assignor to G. S. Torbensen, Cleveland, Ohio. Refrigeration apparatus. 2,449,343, Sept. 14.
- Tore, Victor L., assignee: *See*—
Stallbaum, Charles F. R.
- Torgersen, Norman E., assignor to The Daybrook Hydraulic Corporation, Bowling Green, Ohio. Hydraulic actuating mechanism for mobile loading apparatus. 2,445,160, July 13.
- Torie, Magnus, Seattle, Wash. Poultry nest. 2,447,826, Aug. 24.
- Torkelson, Torkel E.: *See*—
Weingart, Richard I. N., and Torkelson.
- Tornberg, Henning T., Cuyahoga Falls, Ohio, assignor to Modern Plastic Machinery Corporation, Wilmington, Del. Plastic extruding machine. 2,433,936, Jan. 6.
- Tornberg, Henning T., Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Wilmington, Del. Machine for making sheets of extruded plastics. 2,433,937, Jan. 6.
- Tornberg, Isidor, Plainfield, N. J., assignor to Dadson Enterprises, Inc., New York, N. Y. Method for mechanically simulating genuine oil paintings. 2,444,863, July 6.
- Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Explosion-proof swivel pipe joint. 2,436,127, Feb. 17.
- Törnberg, Algot K. G. B., Nassjö, Sweden. Rotary pump or rotary compressor. 2,453,284, Nov. 9.
- Törnebohm, Hilding V., assignor to Aktiebolaget Svenska Kullagerfabriken, Göteborg, Sweden. Gaging apparatus for adjusting gage blocks of the adjustable type. 2,440,646, Apr. 27.
- Toronto Carpet Manufacturing Co. Limited, assignee: *See*—
Davidson, James.
Watson, Frederick W.
- Torresen, Carel T., Santa Monica, assignor to North American Aviation, Inc., Inglewood, Calif. Expandable rivet. 2,436,185, Feb. 17.
- Torrey, Martha: *See*—
Hiff, John W., and Torrey.
- Torrington Company, The, assignee: *See*—
Brown, Edmund K.
- Torrington Manufacturing Company, The, assignee: *See*—
Halvorsen, Elmer W.
- Torrington Manufacturing Co., The, assignee: *See*—
Brown, Raymond H.
- Torsch, Charles E., Merchantville, N. J., assignor to Radio Corporation of America. Cathode heater supply from cathode-ray deflecting circuit. 2,441,732, May 18.
- Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Protective circuit. 2,444,902, July 6.
- Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Power conservation system. 2,451,641, Oct. 19.
- Torstenson, Henry A., assignee: *See*—
Morberg, Kenneth F.
- Torteson, Robert L., Auburn, Mass. Device for sharpening hypodermic needles. 2,443,937, June 22.
- Toth, Louis: *See*—
Peremi, Edmund and Toth.
- Tott, Edwin H., San Leandro, Calif. Supporting head for abrasive disks. 2,454,726, Nov. 23.
- Touborg, Jens, assignor to Tecumseh Refrigeration Sales and Engineering Company, Tecumseh, Mich. Refrigeration compressor. 2,435,108, Jan. 27.
- Touchett, Lawrence P., Fond du Lac, Wis., assignor to E Z Painter Corporation. Sloping bottom tray and support structure. 2,444,584, July 6.
- Toulmin, Harry A., Jr., Dayton, assignor to The Thompson-Grinder Company, Springfield, Ohio. Ball grinding machine. 2,438,239, Mar. 23.

- Toulon, Pierre M. G., Paris, France, assignor to Societe Generale de Machines et Brevets, Geneva, Switzerland. Process and apparatus for producing extremely short waves. 2,431,446, Jan. 13.
- Tourslou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Cathode-ray beam deflecting circuit. 2,440,418, Apr. 27.
- Tourslou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Automatic gain control circuit. 2,454,415, Nov. 23.
- Toussaint, Walter J.: *See—*
Fife, Harvey R., and Toussaint.
- Tower, Charles H., Cleveland, and F. J. Lowey, Bay Village, assignors to The S. K. Wellman Company, Cleveland, Ohio. Bending bimetallic articles. 2,446,891, Aug. 10.
- Towmotor Corporation, assignee: *See—*
Guerin, Paul R.
Weaver, Elverton W.
- Town, Edward W., Philadelphia, Pa. Stocking toe protector. 2,443,997, June 22.
- Towne, Blanche, assignee, et al.: *See—*
McGillicuddy, Adeline J.
- Towne, Carlton G.: *See—*
Guild, Lurelle, and Towne.
- Towne, Edmund B.: *See—*
Dickey, Joseph B., and Towne.
- Towne, Frank L., assignee, et al.: *See—*
McGillicuddy, Adeline J.
- Towner, George F.: *See—*
Huey, Homer D., and Towner.
- Towner Manufacturing Co.: *See—*
Martin, Charles H.
- Townes, Charles H.: *See—*
Darlington, Sidney, Townes, and Wooldridge.
- Townes, Charles H., Delray Beach, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Air-speed indicating system. 2,457,287, Dec. 28.
- Townes, Charles H., Mendham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic oscillator of the cavity resonator type. 2,438,954, Apr. 6.
- Towns, John E., Milwaukee, Wis. Splinter remover. 2,451,994, Oct. 19.
- Towns, Joshua G., Grand Junction, Colo. Holder for rupture buttons and the like. 2,453,166, Nov. 9.
- Townsend, Charles L., Yonkers, N. Y., assignor to Radio Corporation of America. Phasing system. 2,455,323, Nov. 30.
- Townsend Engineering Company, assignee: *See—*
Townsend, Ray T.
- Townsend, Kenneth, and C. W. Giffman, Hollywood, Calif. Bone plate. 2,443,363, June 15.
- Townsend, Ray T., assignor to Townsend Engineering Company, Des Moines, Iowa. Skinning machine. 2,455,831, Dec. 7.
- Townsend, Sidney A., Bennettville, S. C. Cotton-picking machine. 2,451,130, Oct. 12.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Aryl phosphorus containing resins and preparing the same. 2,435,252, Feb. 3.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of dialkenyl arylphosphonates with vinyl acetate. 2,453,167, Nov. 9.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl arylphosphonates with methyl methacrylate. 2,453,168, Nov. 9.
- Trabucco, Vincent R., assignor to Steger Products Manufacturing Corporation, Steger, Ill. Front axle mounting for vehicles. 2,444,386, June 29.
- Trackson Company, assignee: *See—*
Erdhal, Nicholas M.
- Traffic Transport Engineering, Inc., assignee: *See—*
Stuart, Clarence C.
- Trageser, Albert H., Manhasset, assignor to Trageser Copper Works, Inc., Maspeth, Long Island, N. Y. Water heater. 2,448,128, Aug. 31.
- Trageser Copper Works, Inc., assignee: *See—*
Trageser, Albert H.
- Trail, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Hydraulic torque converter of the converter coupling type. 2,453,877, Nov. 16.
- Trail-A-Boat Company, assignee: *See—*
Eichner, Ferdinand R.
- Trailmobile Company, The, assignee: *See—*
Black, James J.
- Training Devices, Inc., assignee: *See—*
Sisson, Thomas U.
- Tratsch, Walter A., assignor to Clarence E. Threedy, Chicago, Ill., as trustee. Shot cartridge. 2,456,159, Dec. 14.
- Trammell, Will H.: *See—*
McKinnie, William P., and Trammell.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Thermal time-delay switch. 2,446,029, July 27.
- Transadean Associates, Inc., assignee: *See—*
Case, Rogers.
- Transcontinental & Western Air, Inc., assignee: *See—*
Melton, Clarence C.
- Transit Research Corporation, assignee: *See—*
Piron, Emil H.
- Trans-Lux Corporation, assignee: *See—*
Roth, Bert W.
Smoot, John H.
- Transon, Robert L., Oakland, Calif., assignor of one-half to E. C. Hanks. Carbon holder. 2,449,341, Sept. 14.
- Transport Apparatus and Device Company: *See—*
Fulton, Joel B.
- Transue, Gerald O.: *See—*
Kulicke, Frederick W., Jr., and Transue.
- Trantin, Jacob, Jr., Youngstown, Ohio. Hydraulic control valve. 2,455,625, Dec. 7.
- Traub, Ellis, Worcester, Mass. Automobile position signal. 2,454,896, Nov. 30.
- Traube, Jacques: *See—*
Blackman, Mac, and Traube.
- Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Output regulation of circuit type gas-turbine plants. 2,454,358, Nov. 23.
- Traugott Paul, assignor to Electro-Physical Laboratories, Inc., New York, N. Y. Electrocardiograph. 2,439,640, Apr. 13.
- Trausneck, Herbert R.: *See—*
Wallen, George R., and Trausneck.
- Traut, William A., Wauwatosa, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Mechanical movement for converting rotary motion into reciprocating movement. 2,455,626, Dec. 7.
- Trautmann, Herbert L., Los Angeles, assignor to Cal-Pan Corporation, Alhambra, Calif. Tail pipe extension. 2,449,756, Sept. 21.
- Trautmann, Herbert L., assignor to Cherry Rivet Company, Los Angeles, Calif. Cutting tool. 2,457,417, Dec. 28.
- Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Flow-regulating valve. 2,445,544, July 20.
- Traver, Clarence H.: *See—*
Malone, Homer E., and Traver.
- Traver Corporation, assignee: *See—*
Traver, George W.
- Traver, George W., assignor to Traver Corporation, Chicago, Ill. Liner for produce containers. 2,441,778, May 18.
- Traver, Harry G., Cranford, N. J. Means to connect tractor and trailer sections and for effecting steering thereof. 2,455,147, Nov. 30.
- Traver, Harry G., Cranford, N. J. Motor-driven rotary digging apparatus. 2,455,148, Nov. 30.
- Travilla, James C., Jr., Swarthmore, Pa., and W. C. Krauthelm, Normandy, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Retractable coupler for locomotive structures. 2,439,762, Apr. 13.
- Traver, Oliver C., Drexel Hill, and L. S. Walle, Lansdowne, Pa., assignors to General Electric Company. Switch. 2,446,859, Aug. 10.
- Travers, William J., Jr., assignor to Richfield Oil Corporation, Los Angeles, Calif. Well cementing method. 2,447,217, Aug. 17.
- Travilla, James C., Jr., Swarthmore, G. E. Jones, Lansdowne, and R. E. Stein, Chester, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway coupler mounting. 2,444,120, June 29.
- Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Adjustable lamp for tiltable beds. 2,457,752, Dec. 28.
- Traxler, Eugene R.: *See—*
Stewart, George H., and Traxler.
- Traxler, Eugene R., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Power-transmission belt. 2,446,311, Aug. 3.
- Traylor Engineering & Manufacturing Company, assignee: *See—*
Bernhard, Richard.
Cheesman, Richard D.
- Traylor, John B., Denver, Colo. Fuse for antitank mines. 2,436,837, Mar. 2.
- Traylor, John B., Denver, Colo. Mechanical pencil with step-by-step feed. 2,437,769, Mar. 16.
- Traylor, Samuel W., Jr., Allentown, Pa. Heating system. 2,434,086, Jan. 6.
- Trbojevic, Nikola, Detroit, Mich. Angle measuring bar and gauge. 2,446,562, Aug. 10.
- Trbojevic, Nikola, Detroit, Mich. Variable leverage gearing. 2,447,104, Aug. 17.
- Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Bushing construction. 2,441,457, May 11.
- Treat, Herbert R.: *See—*
Kniel, Ludwig, Lambert, and Treat.
- Treboux, Jules, Riehen near Basel, and R. Bellvilá, assignors to J. R. Geigy, A. G., Basel, Switzerland. Dicyanodiamide condensation products and making same. 2,440,988, May 4.
- Trecker, Theodore, Milwaukee, J. B. Armitage, Wauwatosa, and O. W. Barker, K. A. Riedel, and F. D. Boehmer, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,434,750, Jan. 20.
- Trecker, Theodore, Milwaukee, and J. B. Armitage, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,434,751, Jan. 20.
- Tree, George, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Method of and apparatus for reducing visible vapors above open vats and the like. 2,451,418, Oct. 12.

- Treece, Harold R., and R. A. Wilkinson, assignors to Siemens Electric Lamps and Supplies Limited, Preston, England. Electrical protective device. 2,449,961, Sept. 21.
- Treff, Alfred: *See*—
Pearson, Paul E., and Treff.
- Treff, Alfred, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for straightening cans and the flanges thereof. 2,455,832, Dec. 7.
- Trefry, Edgar C., assignor of one-half to G. L. Le Munyon, Los Angeles County, Calif. Implement mounting. 2,452,701, Nov. 2.
- Trelease, Richard D., and C. H. Koonz, assignors to Swift and Company, Chicago, Ill. Eviscerating method and apparatus. 2,448,693, Sept. 7.
- Tremain, Henry E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Gas mask canister tester. 2,442,187, May 25.
- Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting foam. 2,453,351, Nov. 9.
- Tremain, Henry E., and L. R. Bacon, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Composition for inhibiting foam. 2,453,352, Nov. 9.
- Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Lehr feeder. 2,437,214, Mar. 2.
- Trenbath, Herbert W., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Copper coating stainless steel. 2,445,372, July 20.
- Trent, Floyd E., San Lorenzo, and A. E. Burns, Jr., Vallejo, Calif., assignors, by mesne assignments, to Universal Sta-Dri Corporation. Antisweat compositions. 2,442,911, June 8.
- Trent, Horace M., assignee: *See*—
Hayes, Harvey C., and Trent.
- Trepagnier, Joseph H.: *See*—
Spraks, Chiles E., Libby, and Trepagnier.
- Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing p-quinone dioxime. 2,446,165, Aug. 3.
- Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of isobutylene rubber. 2,457,331, Dec. 28.
- Treptow, Frederick W., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Target course simulating mechanism for object locating training system. 2,442,788, June 8.
- Treseder, Robert C.: *See*—
Kent, Earle L., and Treseder.
- Treshow, Michael, Pacific Palisades, Calif., assignor to F. L. Smith & Co., New York, N. Y. Mill bearing construction. 2,447,605, Aug. 24.
- Tresidder, Herbert E., Royal Oak, Mich. Line holder. 2,446,253, Aug. 3.
- Treuthart, Robert L., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact and shorting mechanism. 2,456,902, Dec. 21.
- Trevino, Fidel, Los Angeles, Calif. Lawn edge trimmer. 2,445,842, July 27.
- Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Frequency-modulated pulse generator. 2,444,479, July 6.
- Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Sealed antenna. 2,451,258, Oct. 12.
- Trevor, Paul F., Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Method and apparatus for determining the approximate amount of oil film on an article. 2,456,342, Dec. 14.
- Trexler, William H., Ravenna, Ohio. Pneumatic tire for model aeroplanes and the like. 2,435,186, Jan. 27.
- Trible, Winthrop: *See*—
Lensky, George A., Tribble, and Yates.
- Tri-Clover Machine Co., assignee: *See*—
Kessler, Joseph S.
- Trico Products Corporation, assignee: *See*—
Rappel, Anton.
Schluta, Anthony C.
- Trier, Carl L., Baltimore, Md., and J. W. Fogg, Barrington, Ill., assignors to Cherry-Burrell Corporation, Wilmington, Del. Washing apparatus for bottle washers. 2,440,419, Apr. 27.
- Trier, Vernon A., London, England. Method and apparatus for atomizing liquids. 2,438,868, Mar. 30.
- Trifam Manufacturing Company, assignee: *See*—
Taylor, Asa J.
- Trig Corporation, assignee: *See*—
Graham, Philip J.
- Triller, David P., Indianapolis, Ind. Door-sag correcting mechanism. 2,453,049, Nov. 2.
- Trimble, Earl H., Los Angeles, Calif. Drill. 2,446,795, Aug. 10.
- Trimble, John I., and W. M. Myler, Jr., Columbus, assignors, by mesne assignments, to Surface Combustion Corporation, Toledo, Ohio. Aircraft heater with wick burner. 2,445,341, July 20.
- Trimble, Robert A.: *See*—
Archibald, Raymond C., and Trimble.
- Trimble, Russell F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Indirectly heated cathode. 2,436,907, Mar. 2.
- Trimount Instrument Co., assignee: *See*—
Kocmich, Donald O.
- Trinity Holding Corporation, assignee: *See*—
Bowles, Albert F., and Keegel.
- Trinkle, Frederick A., and J. Schwindt, Fort Morgan, Colo.; said Schwindt assignor to said Trinkle. Apparatus for produce topping and top harvesting. 2,435,910, Feb. 10.
- Triplett Electrical Instrument Company, assignee: *See*—
Lingel, Frederick J.
- Triplett, William F., Grand Junction, Colo. Pressure fluid follow-up servomotor. 2,445,091, July 13.
- Tripp, Kenneth F.: *See*—
Axler, Meyer H., and Tripp.
- Tripp, Leonard W., assignor to Roadless Traction Limited, Hounslow, England. Endless track for vehicles. 2,437,338, Mar. 9.
- Tri-State Engineering Company: *See*—
Coit, Burton C., Jr.
- Tritt, Forest G., Sherman, and W. A. Miller, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Crash pad for war tanks or other vehicles. 2,436,461, Feb. 24.
- Tritton, Suzanne M. L., Loughton, England. Food preparations. 2,452,506, Oct. 26.
- Triumph Dishwashers Limited, assignee: *See*—
Burt-Wells, Sidney G.
- Trobeck, Karl G.: *See*—
Bergstrom, Hilding O. V., Heijmer, and Trobeck.
- Troche, Herman J.: *See*—
Holan, James H., and Troche.
- Trochim, Marie L., Portland, Oreg. Liquid dispensing device. 2,448,846, Sept. 7.
- Troeger, Henry: *See*—
Gregg, David, and Troeger.
- Troeger, Henry, Ramsey, and D. M. Lawrence, Wood-Ridge, assignors to Bendix Aviation Corporation, Teterboro, N. J. Supercharger regulator and surge control. 2,441,779, May 18.
- Troendle, William C., assignor to Thayer Company, Gardner, Mass. Baby walker. 2,435,022, Jan. 27.
- Troendle, William C., assignor to Thayer Company, Gardner, Mass. Safety stand. 2,449,024, Sept. 7.
- Trofimov, Lev A., Willoughby, Ohio. Differential gearing control by electrical machines. 2,441,604, May 18.
- Trofimov, Lev A., Willoughby, Ohio. Constant speed dynamoelectric power transmission unit. 2,441,605, May 18.
- Trofimov, Lev A., Willoughby, Ohio. Alternating current controlled power transmission. 2,441,606, May 18.
- Trofimov, Lev A., Willoughby, Ohio. Constant speed power supplying apparatus. 2,445,342, July 20.
- Trofimov, Lev A., Willoughby, Ohio. Automatic steering apparatus. 2,453,878, Nov. 16.
- Trogman, William, Chicago, Ill. Box fastening means. 2,445,412, July 20.
- Troidl, Robert A., Lake George, N. Y. Film spool guide ring. 2,453,476, Nov. 9.
- Troiel, Arthur E., assignor to Troiel Companies, Inc., Berkeley, Calif. Form for molding concrete piles. 2,445,894, July 27.
- Troiel Companies, Inc., assignee: *See*—
Troiel, Arthur E.
- Trojan Powder Company, assignee: *See*—
Wyler, Joseph A.
- Trokje, Sylvia, and H. McKechnie, New York, N. Y. Paper garment and method of making same. 2,436,060, Feb. 17.
- Troller, Theodor H., New Philadelphia, Ohio, assignor, by mesne assignments, to Joy Manufacturing Company. Fan and motor device. 2,444,966, July 13.
- Trombetta, Louis, Bronx, N. Y. Clamping and knot tying instrument. 2,455,833, Dec. 7.
- Troncatti, Carl P.: *See*—
Ludwig, Leon R., and Troncatti.
- Tronic, Max, Worcester, Mass. Sleeve board having a lowered inoperative position and having a raised and locked operative position. 2,451,259, Oct. 12.
- Trostle, Eugene R.: *See*—
Sanderson, Robert I., and Trostle.
- Trotter, Aubrey, Lafayette, La. Clamp for placing well casings. 2,450,388, Sept. 28.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Gun battery with ammunition feed means. 2,444,884, July 6.
- Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Hydraulic stop for gun mount system. 2,447,968, Aug. 24.
- Troubh, Bernard, Portland, Maine. Automatic lighter. 2,438,727, Mar. 30.
- Troupe, Donald F.: *See*—
Young, Cyril C., and Troupe.
- Trout, Norwood S., Jr., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Variable-speed transmission. 2,456,600, Dec. 14.
- Trowbridge, Barnard C., Kansas City, Mo. Mirror attachment for eyeglasses. 2,435,728, Feb. 10.
- Trowbridge, Charles A., Roxborough, assignor to B. and G. Snyder, co-partners trading as Snyder Mfg. Company, Philadelphia, Pa. Antenna mounting. 2,454,897, Nov. 30.
- Troxler, Charles G., and G. P. Daiger, Canton, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,450,845, Oct. 5.

- Troy Sunshade Company. The, assignee: *See*—
Bader, Harry J., and Daniel.
Braunschweiger, Paul G.
Daniel, Walter C.
Morgan, Don H.
Richardson, Harry C.
Roth, Alice.
- Truax, Robert C., U. S. Navy. Jet reaction motor. 2,434,298, Jan. 13.
- Truax, Thomas H., and W. C. Cover, Hollywood, Fla. Soldering tool. 2,442,152, May 25.
- Trubek Laboratories, Incorporated, The, assignee: *See*—
Davidson, David, and Kahn.
- Truby, Harry A., Jr.: *See*—
Bludworth, Joseph E., Robeson, and Truby.
- Truck-Man, Inc., assignee: *See*—
Funk, Truman B.
- Trucksess, David E.: *See*—
Meszards, George W., and Trucksess.
- Trudeau, André J., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Straightening rods. 2,438,240, Mar. 23.
- Truesdale, Eddie P., Orangeburg, S. C. Lamp for hospital beds. 2,451,995, Oct. 19.
- Truesdale, Edward C., Palmetton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Producing powdered metal. 2,445,648, July 20.
- Trumbull Electric Manufacturing Company, The, assignee: *See*—
Getchell, Benjamin E.
Hammerly, Herman J.
Ohlson, Reynold A.
Rowe, Raymond N.
- Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Conveying means for dry printing machines. 2,457,753, Dec. 28.
- Trumpler, William E., Olean, assignor to Carrier Corporation, Syracuse, N. Y. Variable-speed drive for compressors. 2,441,855, May 18.
- Trumpour, James N., assignee: *See*—
Jackson, James G.
- Truninger, Alfred, Kreuzlingen, Switzerland. Door latch. 2,447,290, Aug. 17.
- Truscon Laboratories, Inc., assignee: *See*—
Madison, Ralph E.
- Trustees of the University of Pennsylvania, The, assignee: *See*—
Chambers, Leslie A.
- Trydal, Nils: *See*—
Davidson, William W., Trydal, and Brehman.
- Tryon, Sager, Long Island City, and P. La Roche de Benneville, New York, N. Y., assignors to Allied Chemical & Dye Corporation. Insecticide comprising monoalkylated diphenylene sulfides and using same. 2,438,955, Apr. 6.
- Trzesniewski, Stanley, Milwaukee, Wis. Bar bell. 2,447,218, Aug. 17.
- Tsai, Herbert, and N. Chuy, assignors to Herbnick Manufacturing and Engineering Company, Incorporated, Detroit, Mich. Trap device for rodents. 2,445,980, July 27.
- Tschan, Ernst, assignor to Durand & Huguenin, A. G., Basel, Switzerland. Process and paste for printing fabrics made of cellulose, such as textile fabrics, paper and the like, with chromium mordant dyestuffs. 2,456,471, Dec. 14.
- Tschumi, Otto, assignor to Autophone Aktiengesellschaft, Soleure, Switzerland. Device for conference calls in subscribers' devices for loud and faintly audible traffic. 2,449,344, Sept. 14.
- Tubbs, Lester G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit for electromagnets. 2,457,011, Dec. 21.
- Tubbs, Riley R., Great Bend, Kans. Sanitary pipe clean-out device. 2,451,051, Oct. 12.
- Tube Tum Inc., assignee: *See*—
Mattimore, John D., and Smith.
- Tubiola, Caroline, Rochester, N. Y. Nursing bottle holder. 2,444,585, July 6.
- Tuck, David H., Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y. Explosion-proof lighting equipment. 2,447,922, Aug. 24.
- Tuck, David H., Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y. Lighting system and lighting units for use therein. 2,447,923, Aug. 24.
- Tucker, Irwin W., and A. K. Balls, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture. Separation of starch and protein in wheat grain products and extraction of diastase therefrom. 2,434,874, Jan. 20.
- Tucker, Irwin W., and A. K. Balls, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture. Extracting diastase. 2,457,754, Dec. 28.
- Tucker, Morris, assignor to R. Tucker, Brooklyn, N. Y. Bed slat. 2,452,808, Nov. 2.
- Tucker, Robert, assignee: *See*—
Tucker, Morris.
- Tucker, Warren R.: *See*—
Muller, Johan A., and Tucker.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic speed control apparatus. 2,437,139, Mar. 2.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation. Rotary valve actuating device. 2,443,333, June 15.
- Tucker, Warren R., Dayton, Ohio, assignor to The H-P-M Development Corporation. Press for powdered metals. 2,449,257, Sept. 14.
- Tucker, William C., Kenmore, assignor to Buffalo Forge Company, Buffalo, N. Y. Work gauge support for shears. 2,446,146, July 27.
- Tucker, William G., Ludlow, Vt. Intermediate feed for carding machines. 2,451,260, Oct. 12.
- Tucker, William M., assignor to Eastman Kodak Company, Rochester, N. Y. Activating and electroplating stainless steel. 2,437,409, Mar. 9.
- Tuerck, Karl H. W.: *See*—
Duval, Bruce, and Tuerck.
Elce, Alec, Hall, and Tuerck.
Staudinger, Hanns P., and Tuerck.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, Epsom, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of hydroxy acids. 2,437,410, Mar. 9.
- Tuerck, Karl H. W., Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Recovery of acetaldehyde from gaseous mixtures containing the same. 2,442,942, June 8.
- Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Glycerol substitutes. 2,443,843, June 2.
- Tuerck, Karl H. W., Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of crotonic acid. 2,450,389, Sept. 28.
- Tuey, George A. P.: *See*—
Curd, Francis H. S., Hall, Owen, Rose, and Tuey.
- Tuft, Miles H.: *See*—
Jones, Frank D., and Tuft.
- Tulagin, Vsevolod, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Photographic elements containing urethanes of N-substituted J acids as color formers. 2,445,252, July 13.
- Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Unitary refrigerated carbonated beverage dispensing apparatus. 2,434,374, Jan. 13.
- Tull, Robert H., E. C. Tanner, and W. Ardito, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bottle cooling apparatus. 2,442,882, June 8.
- Tull, William A.: *See*—
Binash, Albert H., and Tull, and Gautney.
Stout, Perry R., and Tull.
- Tully, Charles E., San Diego, Calif. Condyle position indicating apparatus. 2,455,451, Dec. 7.
- Tung-Sol Lamp Works, Inc., assignee: *See*—
Arkins, Carl E.
Bannon, Joseph J., Jr.
Braunsdorf, Reginald K.
Schmidinger, Joseph, and Sitzer.
Sitzer, Philip.
Weinhardt, Heinz H.
- Tunke, Paul F.: *See*—
Williams, Edward H., and Tunke.
- Tunley, Allan A.: *See*—
Pointon, John E., and Tunley.
- Tunnard-Moore, Thomas C. P., Hendon Way, London, England. Plate clamp. 2,446,030, July 27.
- Turan, Nathaniel, Maspeth, N. Y. Picture frame and support. 2,443,645, June 22.
- Turbett, Forrest L., and H. B. Stephenson, Jr., Joplin, Mo., assignors to The Eagle-Picher Company, Cincinnati, Ohio. Raw material for ceramic glazes. 2,438,524, Mar. 30.
- Turbett, Forrest L., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Smelting titaniferous ore. 2,453,050, Nov. 2.
- Turbo Engineering Corporation, assignee: *See*—
Birmann, Rudolph.
- Turchen, Herman, Bronx, N. Y. Mechanical sandblock for sharpening pencils. 2,440,813, May 4.
- Turco Products, Inc., assignee: *See*—
Baum Nathaniel L., and Wynkoop.
Robertson, Harry M.
Sykes, Wesley P.
- Turechek, George F., assignors to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,445,047, July 13.
- Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Automatic shutoff device for oil wells. 2,447,827, Aug. 24.
- Turek, Stanley P., La Grange, assignor to Modern-Aire Mfg. Corporation, Chicago, Ill. Extensible supporting post for clotheslines. 2,447,992, Aug. 24.
- Tureman, Garnet R., Jr., Augusta, Ga. Artificial hand. 2,435,614, Feb. 10.
- Turrene, Wilfred J., Fayville, Mass. Container and closure and dispensing means therefor. 2,443,086, June 8.
- Turer, Jack: *See*—
Riemenschneider, Roy W., and Turer.
- Turin, John J., and R. Hanna, assignor to Surface Combustion Corporation, Toledo, Ohio. Electronic control apparatus. 2,436,762, Feb. 24.

- Turk, Richard W., Finlayson, Minn. Cleat chain. 2,441,733, May 18.
- Turkat, Meyer, Brooklyn, N. Y. Radio transceiver. 2,435,061, Jan. 27.
- Turkat, Meyer, Flushing, assignor to Atlas Consolidated Corporation, New York, N. Y. Snap-action fluorescent light switch. 2,452,507, Oct. 26.
- Turnbull, Frederick M., assignee: *See*—Brown, Frank E.
- Turnbull, Frederick M., Los Angeles, and W. F. Hamilton, Altadena, Calif.; said Hamilton assignor to said Turnbull. Jetting device. 2,434,875, Jan. 20.
- Turnbull, Norman K.: *See*—Smith, Herschel, Dunham, and Turnbull.
- Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3,4-dihydroxythiophene-2-keto-butiric acid. 2,442,027, May 25.
- Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3,4-dihydroxythiophene-2,5-dicarboxylic acid production. 2,453,102, Nov. 2.
- Turnbull, Stockton G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Decarboxylation of 3,4-dihydroxy-2,5-dicarboxythiophene. 2,453,103, Nov. 2.
- Turnbull, William J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Vehicle control unit. 2,448,129, Aug. 31.
- Turnbull, William J., West Vancouver, British Columbia, Canada. Curling stone. 2,454,492, Nov. 23.
- Turnpseed, Clarence, Springfield, Ohio. Machine for cleaning dust mops and dust cloths. 2,434,022, Jan. 6.
- Turnpseed, Clarence, Springfield, Ohio. Mop gripping unit for mop shaking machines. 2,453,948, Nov. 16.
- Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Oscillator for centimeter waves. 2,438,832, Mar. 30.
- Turner, Archibald J., assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Producing grips for handles. 2,446,622, Aug. 10.
- Turner, Arthur F.: *See*—Oughton, Charles A., Sterling, and Turner.
- Turner, Charles G., Atlanta, Ga., assignor to Turner Manufacturing Company, Incorporated. Apparatus for working, conveying, and cutting dough. 2,446,201, Aug. 3.
- Turner, Charles R., Philadelphia, Pa. Method and means for photographic developing or the like. 2,440,314, Apr. 27.
- Turner, Charles W., Columbia, Mo., and E. P. Reineke, East Lansing, Mich., assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Production of thyroxine from diiodotyrosine. 2,435,947, Feb. 10.
- Turner, Charles W., and Ezra P. Reineke, Columbia, Mo., assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Controlling the growth and fattening rate of livestock and poultry and composition used in connection therewith. 2,438,353, Mar. 23.
- Turner, Delber W., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Fluid distribution system. 2,443,646, June 22.
- Turner, Douglas F., Detroit, Mich. Knee pad. 2,456,472, Dec. 14.
- Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bearing assembly for dynamoelectric machines. 2,448,500, Aug. 31.
- Turner, Edgar P., Fanwood, and R. Happe, Pittstown, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Portable electric tool. 2,456,571, Dec. 14.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. System for sound ranging. 2,435,253, Feb. 3.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electroacoustical transducer. 2,437,282, Mar. 9.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Oscillator. 2,444,967, July 13.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Interchange of electrical and acoustical energy. 2,452,085, Oct. 26.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound producer and receiver. 2,452,086, Oct. 26.
- Turner, Erville W., Manchester, Wash., assignor of one-half to H. E. Wood, Glendale, Calif. Hairpin opener. 2,445,373, July 20.
- Turner, Howard B., Fostoria, Ohio. Electric fan unit. 2,434,130, Jan. 6.
- Turner, Howard S.: *See*—Graham, Boynton, and Turner.
- Turner, Jacob L., Norwell, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Apparatus for maintaining optimum conditions in gaseous mediums. 2,448,403, Aug. 31.
- Turner, John, Boston, Mass. Vehicle tire antiskid device. 2,456,473, Dec. 14.
- Turner, John R., assignor to Eastman Kodak Company, Rochester, N. Y. Optical projection comparator. 2,441,107, May 4.
- Turner, John R., assignor to Eastman Kodak Company, Rochester, N. Y. Abrading apparatus. 2,441,108, May 4.
- Turner, Joseph L., Fair Haven, and W. W. Flechner, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Cyclical process for the manufacture of titanium dioxide. 2,441,856, May 18.
- Turner, Lyman H., Irondequoit, O. F. Bauer, East Rochester, and L. C. Michelson, Brighton, assignors to Gleason Works, Rochester, N. Y. Machine for finishing gears. 2,445,649, July 20.
- Turner Manufacturing Company, assignee: *See*—Dailey, James R., and Yeager.
- Turner Manufacturing Company, Incorporated, assignee: *See*—Turner, Charles G.
- Turner, Naomi A., Detroit, Mich. Broom stand. 2,441,982, May 25.
- Turner & Newall Limited, assignee: *See*—Cann, John A.
- Turner, Quilla T., Winnipeg, Manitoba, Canada. Ready-reference card index holder. 2,455,103, Nov. 30.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Brake and dampener for rocking bobbin magazines. 2,437,627, Mar. 9.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin control for weft replenishing mechanism. 2,439,704, Apr. 13.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin chute for looms. 2,443,876, June 22.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,445,129, July 13.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pull-off and clamp for thread cutters. 2,446,444, Aug. 3.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread separator for weft replenishing looms. 2,447,291, Aug. 17.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for automatic looms. 2,448,161, Aug. 31.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin magazine for weft replenishing looms. 2,455,149, Nov. 30.
- Turner, Robert S., Oklahoma City, Okla. Seat anchoring device. 2,450,213, Sept. 28.
- Turner & Seymour Mfg. Co., The, assignee: *See*—Dayton, James A.
- Turner Tanning Machinery Company, The, assignee: *See*—Schettler, Gustav A.
- Turner, Wellmore B., executor: *See*—Sherman, John Q.
- Turner, Willard H., Los Angeles, Calif., assignor to Radio Corporation of America. Film marker. 2,445,843, July 27.
- Turner, William E., Summerville, Ga. Liquid dispenser. 2,445,130, July 13.
- Turner, William R., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Rust-inhibiting lubricant. 2,449,025, Sept. 7.
- Turngren, Oscar E., Hopkins, Minn. Building construction and units. 2,440,836, May 4.
- Turnquist, Carl E., San Gabriel, Calif. Food slicer with swinging plural spaced knives. 2,436,982, Mar. 2.
- Turpin, John R.: *See*—Turpin, William C., and Turpin.
- Turpin, William C., and J. R., Newport News, Va. Cleanout Y. 2,457,418, Dec. 28.
- Turretini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise D'Instruments De Physique, Geneva, Switzerland. Machine tool. 2,441,046, May 4.
- Tusa, Victor, Amasa, assignor to Owen D. Premo, Muskegon Heights, Mich. Fish lure. 2,443,753, June 22.
- Tusing, Roy S., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear apparatus. 2,443,669, June 22.
- Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Cloth take-up mechanism for looms. 2,437,367, Mar. 9.
- Tuthill, Harry J., St. Louis, Mo. Shading process for photographs. 2,454,898, Nov. 30.
- Tuttle, Clifton M., assignor to Eastman Kodak Company, Rochester, N. Y. Densitometer. 2,437,411, Mar. 9.
- Tuttle, Clifton M., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film gate for projectors. 2,443,171, June 8.
- Tuttle, Clifton M., C. J. Kunz, and F. M. Brown, assignors to Eastman Kodak Company, Rochester, N. Y. Combined camera, processing apparatus, and projector. 2,446,668, Aug. 10.
- Tuttle, Eugene F., North Hollywood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Riveting machine. 2,439,323, Apr. 6.
- Tuttle, Francis J.: *See*—Gessler, Albert E., Rolle, and Tuttle.
- Gessler, Albert E., Grupe, Rolle, and Tuttle.
- Tuttle, James N., assignor to James N. Tuttle, Inc., Newton, Mass. Coating rack and holder. 2,442,883, June 8.
- Tuttle, James N., Inc., assignee: *See*—Tuttle, James N.
- Tuttle, John, Bala-Cynwyd, Pa. Expandable workpiece holder. 2,435,480, Feb. 3.

- Tuttle & Kift, Inc., assignee: *See—*
Tuttle, William R.
- Tuttle, Loren W.: *See—*
Meiller, Daniel V., Preble, and Tuttle.
- Tuttle, Orvil S.: *See—*
Dunne, James J., and Tuttle.
- Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater and making same. 2,456,343, Dec. 14.
- Tutton, Harry V., assignee: *See—*
Merrill, Lewis B.
- Tuukkanen, Edwin C.: *See—*
Davis, Lewis, and Tuukkanen.
- Tuve, Richard L., Silver Spring, Md. Sensitized pyrogallol reagent and its preparation. 2,440,315, Apr. 27.
- Tuxhorn, Blaine M., Kansas City, Mo. Apparatus for controlling rotation of vehicle wheels. 2,451,453, Oct. 12.
- Twamley, William E., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Feed mechanism. 2,451,367, Oct. 12.
- Twaroski, Stanley E., Los Angeles, Calif. Support. 2,451,699, Oct. 19.
- Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission with flow control by-pass valve. 2,447,441, Aug. 17.
- Tweedale, Ralph L., Birmingham, and J. J. George, Wyandotte, assignors to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission with flow control valve. 2,447,442, Aug. 17.
- Tweezer-Weld Corporation, assignee: *See—*
Pitoy, Albert F., Butterfield, and Warner.
- Twett, Olav M., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation. Wash box. Re. 23,048, Nov. 9.
- Twentieth Century-Fox Film Corporation, assignee: *See—*
Corcoran, James P.
- Stack, John D.
- Twichell, Allan A., Bethany, Conn. Apparatus for analyzing data on cards. 2,445,011, July 13.
- Twigg, Charles & Company Limited, assignee: *See—*
Cooklin, Leonard, and Hollis.
- Twin Coach Company, assignee: *See—*
Austin, Dwight E.
- Twin Disc Clutch Company, assignee: *See—*
Adamson, Nicholas F.
- Black, James B., and Shurts.
- Twombly, Harry D., assignor of one-half to F. G. Grimes, Portland, Ore. Device for indicating underinflation of tires. 2,442,104, May 25.
- Twomey, Kathryn B., Chicago, Ill. Aid to art practice and instruction. 2,454,899, Nov. 30.
- Twynning, Robert V., and W. T. Hakken, Jr., assignors to J. C. Miller Company, Grand Rapids, Mich. Buffing compound. 2,436,128, Feb. 17.
- Tye, George D., New York, N. Y. Cuff holder. 2,446,117, July 27.
- Tykeson, Martin, Hamden, Conn. Window sash holding device. 2,435,481, Feb. 3.
- Tyler Fixture Corporation, assignee: *See—*
Shreve, Clifford B.
- Tyler, John M., and V. E. Thornburg, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Vibration pickup. 2,443,969, June 22.
- Tyler, Merle D., Villa Park, assignor to Croname, Incorporated, Chicago, Ill. Mounting for glass scales. 2,441,215, May 11.
- Tyler, Paul J., assignee, et al.: *See—*
Lawler, Frank P.
- Tyler, Tracy B.: *See—*
Arnold, George B., and Tyler.
- Tynan, James N., assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Laminated construction. 2,446,893, Aug. 10.
- Tyra, Thomas D., United States Navy. Control system for airplanes. 2,445,343, July 20.
- Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of ethers of phenols. 2,445,500, July 20.
- Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of phenols or salts thereof. 2,451,996, Oct. 19.
- Tyrer, Daniel, Stockton-on-Tees, England. Manufacture of phenols or salts thereof. 2,452,404, Oct. 26.
- Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Current regulation for alternating current arc welding. 2,434,131, Jan. 6.
- Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Welding generator. 2,441,652, May 18.
- Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Starting device for arc welding machines. 2,442,832.
- Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Electric welding apparatus. 2,448,694, Sept. 7.
- Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling arrangement for use in wave transmission systems. 2,445,895, July 27.
- Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dielectric wave guide coupling arrangement for use in two-way signaling systems. 2,445,896, July 27.
- Tyskewicz, John P.: *See—*
Bourne, Roland B., and Tyskewicz.
- Bourne, Roland B., Tyskewicz, and Chase.
- Tyson, Archie M., Dallas, Tex. Resonator for musical instruments. 2,452,809, Nov. 2.
- Tyson, Charles W.: *See—*
Campbell, Donald L., Martin, Murphree, and Tyson.
- Gohr, Edwin J., Martin, and Tyson.
- Hemminger, Charles E., and Tyson.
- Jahnig, Charles E., and Tyson.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Catalytic cracking and refining of hydrocarbon oils. 2,436,622, Feb. 24.
- Tyson, Charles W., Summit, H. G. M. Fischer, Westfield, and E. V. Murphree, Summit, assignors to Standard Oil Development Company. Catalytic conversion of hydrocarbons. 2,438,467, Mar. 23.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Temperature control in fluidized catalyst systems. 2,438,728, Mar. 30.
- Tyzzer, Howard J., Caldwell, assignor to Ferris Laboratories, Boonton, N. J. Electrical alternating current generator. 2,448,501, Aug. 31.
- Uber, Victor T.: *See—*
Cahill, Lysle D., and Uber.
- Uccellini, Frederick J., Norwalk, Conn. Presser foot. 2,442,222, May 25.
- Udale, Stanley M.: *See—*
Hieger, Robert H., Olson, and Udale.
- Olson, Elmer, and Udale.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Supercharger for automotive vehicles. 2,434,726, Jan. 20.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Fuel pump. 2,443,570, June 15, 1948.
- Udall, Philip A., Distributing Co., Inc., assignee: *See—*
Vogel, Frank.
- Udell, Maurice R.: *See—*
Diamond, Louis, and Udell.
- Udell, Nathan, Brooklyn, N. Y. Device for washing bottles. 2,435,807, Feb. 10.
- Udesen, Ude P., St. Paul, Minn. Electrode holder for arc welders. 2,434,023, Jan. 6.
- Udylite Corporation, assignee: *See—*
Davis, John V., and Hoffman.
- Udylite Corporation, The, assignee: *See—*
Brown, Henry.
- Pianowski, Leon J., and Sgriccia.
- Ufnowski, Wacław, Warsaw, Poland. Collection of gases from artificial silk and the like. 2,451,890, Oct. 19.
- Ugazio, Walter, and E. C. Boccafogli, Clifton, N. J. Finger protector for trigger hands. 2,457,755, Dec. 28.
- Uglov, Lenaard V., Minature, Nebr. Seed potato cutting machine. 2,452,810, Nov. 2.
- Ugum, Alfred H., Waterville, Iowa. Magazine loader. 2,451,521, Oct. 19.
- Uhl, Edward G., Elizabeth, N. J., assignor to the United States of America, as represented by the Secretary of War. Safety for a firearm hammer mechanism. 2,442,386, June 1.
- Uhl, Edward G., Elizabeth, N. J., and L. A. Skinner, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Rocket projector. 2,451,522, Oct. 19.
- Uhlemann Optical Co. of Illinois, assignee: *See—*
Uhlemann, Richard C.
- Uhlemann, Richard C., Barrington, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Lens edge grinder. 2,437,567, Mar. 9.
- Uhler, Frank G., Alexandria, Va. Mortar and cement compositions. 2,437,842, Mar. 16.
- Uhlig, Edward, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. High-voltage bushing. 2,457,419, Dec. 28.
- Uhlig, Herbert H., Schenectady, N. Y., assignor to General Electric Company. Improving the corrosion resistance of chromium alloys. 2,442,223, May 25.
- Uhlig, William F., Newburgh, N. Y. Apparatus for printing and drying of textile fabrics. 2,452,339, Oct. 26.
- Uhlmann, Hubert J., Grand Rapids, Mich. Film holding clip. 2,455,627, Dec. 7.
- Uhri, William C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Seal for tank openings. 2,450,173, Sept. 28.
- Uhllein, Erwin C., Grafton, and J. W. Lawrie, assignors to Jos. Schlitz Brewing Company, Milwaukee, Wis. Stabilizing beer against radiation deterioration. 2,452,968, Nov. 2.
- Ulanet, Herman, Newark, N. J. Thermal control for gluing structural assemblies and other purposes. 2,437,488, Mar. 9.
- Ulanet, Herman, Newark, N. J. Adjustable thermal limit switch. 2,447,622, Aug. 24.
- Ulanet, Herman, Newark, N. J. Snap action thermal limit switch. 2,452,508, Oct. 26.
- Ulbrich, Frank R.: *See—*
Toelle, Walter E., and Ulbrich.
- Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Manually controlled power booster mechanism. 2,453,949, Nov. 16.
- Ullenberg, George T., Milwaukee, Wis. Game. 2,442,251, May 25.

- Ullrich, Walter: *See*—
Fahnestock, Frank C., and Ullrich.
- Ulyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Cyclohexylalkylamines. 2,454,746, Nov. 23.
- Ulm, Frederick A., assignor to Arkell Safety Bag Company, New York, N. Y. Bag and composite material. 2,434,892, Jan. 20.
- Ullmann, Henry, New York, N. Y. Easel. 2,450,495, Oct. 5.
- Ulrich, Bernhard, Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Snap action valve mechanism for expandable chamber motors with oscillating pistons. 2,455,628, Dec. 7.
- Ulrich, Edward A., Kenmore, assignor to A. Jacobowitz, Buffalo N. Y. Filter leaf. 2,443,087, June 8.
- Ulrich, Francis J., Hollywood, Calif. Necktie holder. 2,434,821, Jan. 20.
- Ultrasonic Corporation, assignee: *See*—
Horsley, Caperton B.
- Ulrick, George, Minneapolis, assignor of forty-nine per cent to H. L. Fischer, St. Paul, Minn. Fountain toothbrush with hand-feed valve. 2,441,520, May 11.
- Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Grinding machine. 2,445,194, July 13.
- Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Drill grinding machine. 2,452,702, Nov. 2.
- Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Drill grinding machine. 2,452,703, Nov. 2.
- Umhoefer, Robert R.: *See*—
Dawsey, Lynn H., Umhoefer, and Muehlhauser.
- Umhoefer, Robert R., Pittsfield, Mass., assignor to General Electric Company. Purification of halogenated aromatic hydrocarbons. 2,445,195, July 13.
- Underwood, Arthur F.: *See*—
Bidwell, Joseph B., and Underwood.
- Underwood Corporation, assignee: *See*—
Pitman, Henry L.
Pitman, Richard W.
Wise, Elmer L.
- Underwood, George T., Chehalis, Wash. Liquid air boiler. 2,446,498, Aug. 3.
- Underwood, James W.: *See*—
D'Alelio, Gaetano F., and Underwood.
- Underwood, Leon H., Kalamazoo, Mich. Fishhook disgorger. 2,441,458, May 11.
- Underwood, Lulu M.: *See*—
Underwood, Sylvester B. and L. M.
- Underwood, Orville J., and R. S. Feigal, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Potentiometer assembly. 2,442,780, Aug. 24.
- Underwood, Sylvester B. and L. M., Santa Cruz, Calif., assignors to Foley Manufacturing Company, Minneapolis, Minn. Saw stabilizer for saw filing machines. 2,456,847, Dec. 21.
- Undy, Gustav E., Detroit, assignor, by mesne assignments, to Weltronic Company, Oakland County, Mich. Electronic timing control system. 2,451,997, Oct. 19.
- Unger, Max S., Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control system for fuel burners. 2,449,185, Sept. 14.
- Union Asbestos & Rubber Company, assignee: *See*—
Novak, George A.
- Union Carbide and Carbon Corporation, assignee: *See*—
Aronson, Peter R.
Babcock, Roger S.
Baker, Harry J.
Jones, Homer W.
Lobosco, Roscoe R.
Olson, Malven L., and Berger.
Robbins, James C., and McElrath.
- Union Cold Storage Company Limited, The, assignee: *See*—
Larkin, Ernest E.
- Union Machine Company, assignee: *See*—
O'Neill, Edward M.
- Union Manufacturing Company, assignee: *See*—
Church, Albert E.
- Union Metal Manufacturing Company, The, assignee: *See*—
Riemenschneider, Edmund W., and Greth.
Riemenschneider, Edmund W., and Shea.
- Union Oil Company of California, assignee: *See*—
Bauer, Robert F., and Matthews.
Berg, Clyde H. O.
Bradley, William E.
Brewer, Philip D.
Byrns, Alva C.
Collier, Robert T., and Carriere.
Doumani, Thomas F., and Cuneo.
Doumani, Thomas F., and Skinner.
Farkas, Adalbert, and Stribley, Jr.
Huffman, Hal C.
Jones, Philip H.
Lake, George R.
Lake, George R., and McDowell.
Lake, George R., and Stribley.
McKinnis, Art.
McKinnis, Art C.
Pollizzotto, Paul L., and Backlund.
- Union Oil Company of California, assignee: *See*—
continued.
Polly, Orville L.
Shaw, Richard J.
Smith, Andrew I.
Stirton, Robert I.
- Union Oil Company of California, assignee, et al.: *See*—
Fisher, Harmon F.
- Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
Christensen, Norman V., Sauer, and Smith.
Cook, Maryin L.
Le Vesconte, Harold J.
Le Vesconte, Harold J., and Schweda.
McLendon, Philip T.
Merz, Benjamin W., and Schweda.
Peterson, Albert C., and Hayes.
Rubel, Charles F.
Sauer, George.
Smith, Clarence C.
- Union Starch & Refining Company, assignee: *See*—
Fetzer, Walter R.
- Union Steel Products Company, assignee: *See*—
Bitney, Dewey H.
- Union Switch & Signal Company, The, assignee: *See*—
Allen, Earl M.
Allison, Leslie R.
Baughman, George W.
Beall, Charles E.
Bossart, Paul N.
Breisch, Edgar W.
Broadbent, John H.
Christensen, Norman V.
Dodd, Arthur E.
Eckhardt, Paul K.
Goodlin, Carl L.
Grondahl, Lars O.
Hedding, Linnie K.
Hesser, James M.
Jackel, Arthur P.
Jefferson, Glen V.
Jerome, Arthur L.
Lewis, Lloyd V.
Lower, Carl F.
McWhirter, William C., and Jefferson.
O'Meara, Thomas J.
Pascoe, Frank T., and Jerome.
Quinlan, Joseph A.
Seitz, Warren W.
Talbert, Henry A.
Thompson, Leslie E.
Thompson, Leslie E., and Jenkins.
Volz, Carl.
Walker, Alec H. B.
- Union Wire Rope Corporation, assignee: *See*—
Zerr, Charles M.
- Unique Balance Co., Inc., assignee: *See*—
Larson, Algot.
- United Aircraft Corporation, assignee: *See*—
Baker, John G.
Beardsley, Guy E., Jr., and Laubin.
Buck, Richard S., and Kalitinsky.
Buck, Richard S., and Ledwith.
Cobb, Emerson G.
Colburn, Allan P.
Cole, Gilmore N.
Cole, Gilmore N., and Wells.
Cooper, Kenneth C.
Dickerman, Fred N.
Dissel, Theodore A., and Newell.
Doman, Glidden S.
Eaton, Edwin D.
Firestone, Floyd A.
Gluhareff, Michael E.
Hasbrouck, John S.
Hersey, Donald S.
Hightberg, Axel L.
Hooker, Ralph J.
Jarvis, Harold T.
Kalitinsky, Andrew.
Kalitinsky, Andrew, and Meitzler.
Kearns, Charles M., Jr., and Arnoldi.
Ledwith, Walter A.
Lee, John G.
Meitzler, Donald E.
Moeller, Constand A.
Newcomb, Philip P.
Pratt, Perry W.
Rockwell, Albert M., and Beaufre.
Soderberg, Carl R., and Clark.
Selden, John C.
Tyler, John M., and Thornburg.
Waring, Dana B.
Martin, Erle.
Zimmerman, Charles H.
- United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.
Geddes, Walter H., and Schanke.
Landis, Elmer.
Olcott, James, and Hoffman.
Wilkening, Herbert C.
- United Air Lines, Inc., assignee: *See*—
Buckthal, Elmer P.

- United-Carr Fastener Corporation, assignee: *See*—
Churchill, Wilmer H.
Johnson, Frank E.
Jones, Walter I.
Wagstaff, George.
- United Chromium, Incorporated, assignee: *See*—
Hyner, Jacob.
Passalacqua, Frank.
Stareck, Jesse E.
- United Cotton Products Company, assignee: *See*—
Hurst, Edward.
- United Dairies Limited, assignee: *See*—
Stoate, Norman P.
- United Dairy Equipment Company, assignee: *See*—
McFadden, James B.
- United Device Corporation, assignee: *See*—
Sadovsky, Charles.
- United Electronics Company, assignee: *See*—
Steiger, Benjamin F.
- United Engineering Company, assignee: *See*—
Velle, Orville O.
- United Gas Improvement Company, assignee: *See*—
Milbourne, Charles G.
Rollhaus, Philip E.
Soday, Frank J.
Ward, Alger L.
- United Geophysical Company, Inc., assignee: *See*—
Peterson, Raymond A.
- United Lens Corporation, assignee: *See*—
Bailey, Benjamin F.
Coulter, Guy H.
- United Mattress Machinery Co., Inc., assignee: *See*—
Kaining, Frederick E., and Mathewson.
- United Merchants & Manufacturers, Inc., assignee: *See*—
Mantell, Charles L.
Miller, Paul L., and Fred T.
Whewell, Robert.
- United Metal Box Co., Inc., assignee: *See*—
Hammer, Samuel.
- United Shoe Machinery Corporation, assignee: *See*—
Ashworth, Fred.
Ashworth, Fred, and Carter.
Baker, Corwin W.
Barbati, Guido J.
Barker, William A., and Clarke.
Bialek, John S.
Blanchard, Benjamin B.
Burby, Philip E.
Cantley, Joseph C.
Chase, Ernest E., Nokes, Stratton, and Goodhue.
Clark, Alfred S., and Spence.
Clarke, George.
Cole, Frank E., and Goodhue.
Collins, George H.
Curtis, Fount E.
Cushman, Lee H.
Cutler, Wallace M.
Dabrasky, August, Goodhue, and Taylor.
Dixon, Paul H.
Duplessis, Rene E.
Eastman, Fred C.
Elliott, Harold E.
Elliott, Harry D.
Ewart, John M.
Finn, Sidney J.
Fredericksen, James P.
Gates, William O.
Goodhue, William V., and Carter.
Goodhue, William V., and Gill.
Goodhue, William V., and Norton.
Gookin, Sylvester L.
Gulbrandsen, Helge.
Haas, Otto R.
Harrington, Joseph, Jr.
Hart, Fred V.
Hart, Fred V., and Mooney.
Hart, George T.
Hart, Thomas W.
Hill, Maurice G., and Copper.
Holmgren, Eric A.
Hooper, Lester B.
Johnson, Charles E.
Jorgensen, Bernhard T.
Jorgensen, Jacob C.
Keall, Frank B.
Knott, Clyde L.
Knowlton, Cutler D.
Knowlton, Cutler D., and E.
Knowlton, Cutler D., and Edgar.
Lancaster, John T.
Lawson, Robert H.
Leahy, James F.
Leveque, Bernard T.
Lyness, Horatio S.
Macdonald, Lester S.
Maciejowski, John J.
Mellerio, Lucien F., and Cooper.
Miller, Lloyd G.
Miner, George A.
Mooney, Fred L.
Murphy, Everett E.
Newhall, Carl A.
Nokes, Philip E.
Nugent, Frederick V.
- United Shoe Machinery Corporation, assignee: *See*—
continued.
Oliver, John R.
Osborne, Harry E.
Paulson, Hans C.
Phillips, Harry.
Pineles, Bernard M.
Ray, Eugene J.
Reasor, Harold E.
Reinhold, Frank W., and Maciejowski.
Richardson, George K.
Ricks, Fred, and Woodcock.
Schoenky, August R.
Senfeben, Paul W.
Seymour, Malcolm.
Stratton, Frank E.
Topham, Laurence E.
Welch, Edward S., Jr.
Willmott, Herbert J.
Woodman, Charles K.
- United Specialties Company, assignee: *See*—
Eastman, David P.
- United Steel Barrel Company, assignee: *See*—
Dodson, Howard W.
- United Steel Fabricators, Inc., assignee: *See*—
Macleod, Donald K.
- United Wallpaper, Inc., assignee: *See*—
Staunton, Le Roy W., and Atkinson.
- U. S. Asbestos Cement Pipe Company, assignee, et al.:
See—
Ferla, John.
- United States Atomic Energy Commission, United States of America, as represented by the, assignee: *See*—
Anderson, Herbert L.
Brewer, Aubrey K., and Madorsky.
Broxon, James W., and Jesse.
Calaiaco, August P.
Cox, Joseph H., Colaiaco, and Rose.
Duffey, Dick.
Evans, Latimer R., and Hass.
Herrick, Clifford E., Jr., and Liberatore.
Hopper, Dwight L.
Ingram, Curtis S.
Newell, Floyd B.
Newton, Amos S.
Nier, Alfred O. C., and Ney.
Reid, Allen F.
Schover, Donald S.
Starr, Allan M.
Stoll, Henry W.
Stoltenberg, Glenn R., and Colaiaco.
Stricklin, Travie W.
Tate, Kenneth L.
Thomas, Jesse B.
Wakefield, Ernest H.
- U. S. Automatic Corporation, assignee: *See*—
Nord, Eric T.
- United States Gypsum Company, assignee: *See*—
Adams, Alexander.
Gill, Joseph W.
Parsons, Joseph R.
Schuetz, Clyde C.
Wiss, John E., and Wagner.
- United States Hoffman Machinery Corporation, assignee:
See—
Fittpold, Joseph E.
- U. S. Industrial Chemicals, Inc., assignee: *See*—
Johnson, William L.
Smith, Henry B.
- United States Instrument Corporation, assignee: *See*—
Warnke, Herbert R.
- United States Leather Company, assignee: *See*—
Boylan, Gove S.
Moffatt, Frank R., and Goehringer.
- U. S. Manufacturing Corporation, assignee: *See*—
Shafter, Adolph F.
Winkler, Herman E., and Boyer.
- United States Motor Corporation, assignee: *See*—
Hall, Stanley W.
- United States of America, The, assignee: *See*—
Blackinton, George W., and Calhoun.
Mehlretter, Charles L.
Pope, Winslow B.
Smullin, Louis D.
Watson, Norman A., Veneklasen, Leonard, and Gales.
Whitehead, Richard H.
- United States Pipe and Foundry Company, assignee: *See*—
Tinsley, Clifford R.
- United States Plywood Corporation, assignee: *See*—
Dunne, James J., and Tuttle.
- United States Rubber Company, assignee: *See*—
Armstrong, Robert T.
Blair, George W.
Blair, George W., Clayton, Clark, Schott, and Kean.
Brown, Charles F.
Byler, William H., and Carroll.
Clark, Edward H.
Clarkson, Robert J.
Clayton, William J., and Butsch.
Cunningham, Marion M.
Cuthbertson, George R.
Daly, Lawrence E.
Daly, Lawrence E., and Schott.
Elliott, Daniel R., and Madison.

- United States Rubber Company, assignee: *See*—Continued.
 Foster, Boutwell H.
 Gamache, Armand R.
 Gates, Charles W., and Howey.
 Gates, Charles W., and Woods.
 Griffin, John B., and Hagan.
 Hall, Frederick M., and Griffith.
 Harding, Watson G.
 Howland, Louis H., and Brucksch.
 Huff, Curtis E., and Clynoch.
 Hurdie, Everett C.
 Kerr, Theodore W., Jr., and Harris.
 Klemp, Norman A.
 Kulka, Marshall.
 Ladd, Elbert C.
 Ladd, Elbert C., and Paxton.
 McCleary, Charles D.
 McConnell, Edmond S., Priestley, and Volk.
 Milburn, Sidney R.
 Paul, Philip T.
 Paul, Philip T., and Tewksbury.
 Peaker, Charles R.
 Prill, Erhard J.
 Richmond, Henry H.
 Rumbold, John S.
 Schuetz, Clyde C.
 Scoville, Warren E., Jr.
 Slovins, David G.
 Snyder, Robert H.
 Sterrett, Robert R.
 Strassburg, Roger W.
 Svendsen, Edward C.
 Tawney, Pliny O.
 Wilhelm, Harley A., and Daane.
 Wood, Thomas F.
- United States Rubber Company, The, assignee: *See*—
 Arrington, Conrad J.
 Hawley, Thomas G., Jr., and Timenes.
- United States Safety Service Co.: *See*—
 Moeller, William C.
- United States Safety Service Co., assignee: *See*—
 Wallace, Harold E.
- U. S. Slicing Machine Company, assignee: *See*—
 Ahrndt, Arthur H.
 Brownsey, Oscar.
 Brustowsky, Morris.
 Pfister, Harry C.
 Stukart, Hendrik.
 Thomas, Henry.
- United States Steel Corporation of Delaware, assignee,
 et al.: *See*—
 Rendel, George H., and Reed.
- United States Stoneware Company, assignee: *See*—
 Chamberlain, James M. W.
- United States Sugar Corporation, assignee, et al.: *See*—
 Dexter, Gregory M., and Thurber.
- U. S. Thermo Control Co., The, assignee: *See*—
 Jones, Frederick M.
- U. S. Universal Joints Company, assignee: *See*—
 Guy, Frederick M.
- U. S. Vitamin Corporation, assignee: *See*—
 Freedman, Louis.
- Universal Camera Corporation, assignee: *See*—
 Case, Percival H.
 Falkoff, Adin D.
 Johanson, Sten.
 Kende, George, and Johanson.
- Universal Dental Company, assignee: *See*—
 Kohn, Joseph, and Stein.
- Universal Fittings & Scaffolding Company, assignee: *See*—
 Weisz, Daniel I.
- Universal Gear Corporation, assignee: *See*—
 Dahlstrand, Josef Y.
- Universal Lighters Selling Company Ltd., assignee: *See*—
 Gostkowski, Bedri H.
- Universal Metal Products Company, assignee: *See*—
 Armstrong, Jurl C.
- Universal Milking Machine Company, assignee: *See*—
 Donnelly, Daniel.
- Universal Moulded Products Corporation, assignee: *See*—
 Nebesar, Robert J.
- Universal Oil Products Company, assignee: *See*—
 Anderson, Nils K.
 Becker, Bernard M., and McAfee.
 Bloch, Herman S.
 Bloch, Herman S., and Schaad.
 Brown, Kenneth M., and Gerhold.
 Chenick, Joseph A.
 Chenick, Joseph A., and Rosenwald.
 Collins, Robert B.
 Danforth, Joseph D.
 Deancosy, Richard M.
 Delattre-Seguy, Jean.
 Friedman, Bernard S., and Hervert.
 Gerhold, Clarence G.
 Gerhold, Clarence G., and Burgess.
 Grote, Henry W.
 Grote, Henry W., Swoope, and Brearley, Jr.
 Haensel, Vladimir.
 Haensel, Vladimir, and Ipatieff.
 Held, Jacob B.
 Hulsberg, Herbert A.
- Universal Oil Products Company, assignee: *See*—Continued.
 Ipatieff, Vladimir N., and Haensel.
 Ipatieff, Vladimir N., and Linn.
 Ipatieff, Vladimir N., and Pines.
 Ipatieff, Vladimir N., and Schmerling.
 Johnstone, Warren W.
 Kanhofer, Elmer R.
 Kassel, Louis S.
 Leffer, Frederick W.
 Linn, Carl B.
 Linn, Carl B., and Mavity.
 Linn, Carl B., and Schmerling.
 Mattox, William J.
 Mavity, Julian M.
 Monroe, George S., and Ipatieff.
 Newman, Robert J.
 Pines, Herman.
 Read, Davis, Jr.
 Schmerling, Louis.
 Schmerling, Louis, and Ipatieff.
 Smith, Marvin A.
 Sutherland, Robert E.
 Thomas, Charles L.
 Thomas, Charles L., and Gerald.
 Thomas, Charles L., and Haensel.
 Thomas, Charles L., and Lee.
 Thomas, Charles L., and Morrell.
 Thompson, Ralph B.
 Watson, Charles C.
 Webb, Glenn M., and Moehl.
 Webb, Glenn M., and Smith.
 Wenzke, Herman H.
- Universal Packing & Gasket Company, assignee: *See*—
 Heathcott, E. B.
- Universal Producing Company, assignee: *See*—
 Stewart, Raymond R., and Biewen.
- Universal Products Company, Incorporated, assignee:
See—
 Dunn, George E.
- Universal Shoe Corporation, assignee: *See*—
 Quinn, Arthur H.
- Universal Sta-Dri Corporation, assignee: *See*—
 Trent, Floyd E., and Burns.
- Universal Tobacco Machine Co., Inc., assignee: *See*—
 Reson, Sam.
- Universal Winding Machine, assignee: *See*—
 Day, Irving W.
 Winslow, Albert E.
- Universal Wire Spring Company, The, assignee: *See*—
 Blumensadt, Svend G.
 Blumensadt, Svend G., and Bielak.
- Universe Holding Corporation, assignee: *See*—
 Greenstreet, Charles J.
- University of California, The Regents of the, assignee:
See—
 Babcock, Sidney H.
- University of Illinois, Board of Trustees of the, assignee:
See—
 Kerst, Donald W., and Serber.
- University of Minnesota, Regents of the, assignee: *See*—
 Smith, Lee I., and Sprung.
- Unk, Jacob M., Eindhoven, Netherlands, assignor, by
 mesne assignments, to Hartford National Bank and
 Trust Company, Hartford, Conn., as trustee. Variom-
 eter with air dielectric. 2,450,743, Oct. 5.
- Unruh, Cornelius C.: *See*—
 Kenyon, William O., and Unruh.
- Unruh, Cornelius C., and W. O. Kenyon, assignors to
 Eastman Kodak Company, Rochester, N. Y. Heteropoly-
 mer of isopropenyl acetate and maleic anhydride.
 2,452,165, Oct. 26.
- Unterbrink, Victor, Ottawa, Ohio. Applicator for bowling
 alley finishes. 2,438,354, Mar. 23.
- Unterweiser, Paul, assignor to Federal Telephone and
 Radio Corporation, New York, N. Y. Apparatus for
 induction heat-treating of work pieces. 2,440,316, Apr.
 27.
- Untiedt, Frederick H., Chevy Chase, Md. Manufacture of
 decorative fabric articles having a design in relief.
 2,434,527, Jan. 13.
- Upham, John D.: *See*—
 Hudson, Thomas B., and Upham.
- Upham, John D., Bartlesville, Okla., assignor to Phillips
 Petroleum Company. Quenching of hot gases.
 2,443,210, June 15.
- Upham, John D., and I. L. Wolk, Bartlesville, Okla., as-
 signors to Phillips Petroleum Company. Conversion of
 hydrocarbons using moving catalysts. 2,436,340, Feb.
 17.
- Upham, Sidney D.: *See*—
 Moos, Anthony M., and Upham.
- Upham, Sidney D., Pearl River, assignor to American
 Cyanamid Company, New York, N. Y. Riboflavin solu-
 tions. 2,449,041, Sept. 7.
- Upjohn Company, The, assignee: *See*—
 Buc, Saul R., and Ford.
 Weisblatt, David I., and Myers.
 Weisblatt, David I., Myers, and Wise.
 Wise, Edwin C.
- Upper, Frederick A., assignor to The Carborundum Com-
 pany, Niagara Falls, N. Y. Abrasive article and mak-
 ing. 2,457,012, Dec. 21.

- Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Process and apparatus for making laminated boards. 2,433,965, Jan. 6.
- Upson Company, The, assignee: *See*—Upson, Charles A.
- Upson, Maxwell M., Englewood, and E. D. Watt, Plainfield, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Concrete pile with bulb at lower end. 2,438,729, Mar. 30.
- Upson, Ralph H., Minneapolis, Minn. Stall warning device. Re. 23,042, Oct. 5.
- Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of shaped objects, filaments, and the like. 2,436,156, Feb. 17.
- Upstill, Verla E., Minneapolis, Minn. Crochet frame. 2,454,493, Nov. 23.
- Upton, Albert P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor system with voltage limiting feedback. 2,446,563, Aug. 10.
- Urbach, Franz, Rochester, N. Y. Photographic silver bromide emulsion sensitized with cysteine. 2,449,153, Sept. 14.
- Urbant, Sam: *See*—Braun, Ralph L. P., and Urbant.
- Urberuaga, Eustaquio Echeverria, Bilbao, Spain. Automatic lock for doors, windows, and the like. 2,448,239, Aug. 31.
- Urey, Alice V., executrix: *See*—Baby, Paul M.
- Urist, Harold, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Salicyloyl-beta alanide. 2,440,658, Apr. 27.
- Urmetz, Walter W., Parma, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top stripper. 2,439,705, Apr. 13.
- Urquhart, Radcliffe M.: *See*—Kubacki, Wallace, and Urquhart.
- Urschel, Joe R.: *See*—Urschel, William E., and J. R.
- Urschel, William E., Valparaiso, Ind. Machine for removing the end of elongated food articles. 2,435,762, Feb. 10.
- Urschel, William E. and J. R., Valparaiso, Ind. Adjusting casing for rotary drum type fruit and vegetable dicing machines. 2,436,410, Feb. 24.
- Urso, Ralph F., assignor to McCord Corporation, Detroit, Mich. Pump. 2,437,568, Mar. 9.
- Ushakoff, Alexis E., Newton, Mass., assignor of thirty-five per cent to S. A. Baron, New Orleans, La., for the benefit of himself and F. A. Middleton. Inflatable solar still. 2,455,834, Dec. 7.
- Ushakoff, Alexis E., Beverly, Mass., assignor of thirty-five per cent to S. A. Baron, New Orleans, La., for the benefit of himself, F. A. Middleton, and J. J. Finnorn. Inflatable solar still. 2,455,835, Dec. 7.
- Usina, Francis B., Covington, La. Garment hanger. 2,446,312, Aug. 3.
- Usines Tornos Fabrique de Machines Moutier S. A., assignee: *See*—Megel, Guillaume E., and Mancía.
- Usinger, Henry E., Pitman, assignor to Berger Bros. Company, Philadelphia, Pa. Eaves trough shank. 2,440,528, Apr. 27.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,435,808, Feb. 10.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,437,923, Mar. 16.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,440,621, Apr. 27.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulation. 2,440,622, Apr. 27.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulation. 2,442,317, May 25.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency divider. 2,452,811, Nov. 2.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,454,954, Nov. 30.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Angle modulated wave discriminator. 2,457,013, Dec. 21.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying. 2,457,288, Dec. 28.
- Utah-Idaho Sugar Co., assignee: *See*—Cannon, Rowland M.
- Uthenwoldt, Frederick W.: *See*—Rouan, Francis J., and Uthenwoldt.
- Utica Drop Forge & Tool Corporation, assignee: *See*—Barnes, William A.
- Utilities Distributors, Inc., assignee: *See*—Anderson, Eric M., Kelso, and Ginn. Kelso, Beecher O.
- Utility Appliance Corp., assignee: *See*—Leo, Herbert S., and Breslow. Wessel, John H.
- Utley, Lewis S., Forest Hills, N. Y., assignor to Columbia Protokosite Company, Inc., Carlstadt, N. J. Comb. 2,442,028, May 25.
- Uttal, Joseph A., and T. T. Short, Fort Wayne, Ind., assignors to General Electric Company. Voltage stabilizing system. 2,444,794, July 6.
- Utter, Raymond E., and D. H. Stoltenberg, Toledo, Ohio. Remote controlled parking windshield wiper motor. 2,436,462, Feb. 24.
- Utterback, Ernest: *See*—Bergstrom, Eric V., and Utterback.
- Utterback, Ernest, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,438,261, Mar. 23.
- Utterback, Ernest, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Heater. 2,444,274, June 29.
- Utterback, Ernest, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Process and apparatus for heat transfer with granular solid. 2,445,092, July 18.
- Utterback, Ernest, Upper Darby, and E. L. Sinclair, Philadelphia, Pa., and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting reactions in the presence of a contact mass. 2,457,098, Dec. 21.
- Utz, Chester C.: *See*—Slack, Frederic W., and Utz.
- Utz, Chester C., Magnolia, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle stabilizing means. 2,442,252, May 25.
- Uxbridge Worsted Co., Inc., assignee: *See*—Rose, Paul R. Walter, Harold J., and Rose.
- Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making shaped articles. 2,455,198, Nov. 30.
- Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides plasticized with a mixture of phenol and ester type plasticizers. 2,456,344, Dec. 14.
- Vacanti, Anthony C., assignee: *See*—Vacanti, Anthony C., and James.
- Vacanti, Anthony C. and J., Dunkirk, N. Y.: said James Vacanti assignor to said A. C. Vacanti. Dressing machine for bowling pins. 2,457,509, Dec. 28.
- Vacanti, James: *See*—Vacanti, Anthony C., and James.
- Vacca, Umberto, Brooklyn, N. Y. Bathing trunks. 2,453,051, Nov. 2.
- Vaccaro, William J.: *See*—Heaton, Walter H., and Vaccaro.
- Vacha, Fred P., Atlantic, Mass., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Electrical apparatus collector conditioning. 2,439,114, Apr. 6.
- Vacheron, Lucy, New York, N. Y. Multipurpose blanket. 2,442,105, May 25.
- Vacin, Emil F., San Marino, assignor to Joyce, Inc., Pasadena, Calif. Apparatus for manufacturing footwear utilizing sub-assemblies and applying the same directly to the lasts. 2,443,877, June 22.
- Vacuum Air Pressure Company Limited, assignee: *See*—Bushby, David.
- Vacuum Concentrator, Inc., assignee: *See*—Redhead, Melvin W.
- Vacuum Concrete, Inc., assignee: *See*—Billner, Karl P.
- Vacuum Extractors Limited, assignee: *See*—Cribb, Harold H., and Both.
- Vacuum Process Corporation, assignee: *See*—Heineman, Arnold H.
- Vagin, Edward J., Fresno, Calif. Hopper assembly with solenoid operated gate. 2,445,501, July 20.
- Vagin, Edward J., Fresno, Calif. Control circuit for automatic weighing machines. 2,451,891, Oct. 19.
- Vagts, Hale F., San Jose, Calif. Explosive land mine. 2,456,657, Dec. 21.
- Vahle, Julius, Jr.: *See*—Watts, Donald E., and Vahle.
- Vaill, John L., Middlebury, Conn. Machine for flaring or deforming ends of tubes. 2,442,224, May 25.
- Vaillancourt, Wilfred J., Fall River, Mass. Bobbin lock. 2,449,258, Sept. 14.
- Valas, Peter D.: *See*—Payne, John W., Valas, Atwood, and Bergstrom. Simpson, Thomas P., Payhe, and Valas.
- Valas, Peter D., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Circulation of oil in bead forming tower. 2,442,387, June 1.
- Valcourt, Louis E., East Providence, assignor to Kesterman Bros. Mfg. Co., Providence, R. I. Clasp for wrist-watch bracelets and other linkages. 2,446,068, July 27.
- Vale, Baldwin, San Francisco, Calif. Garden hand tool for soil cultivation. 2,456,345, Dec. 14.
- Vale, Keith R., Sydney, New South Wales, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, Australia. Modulator arrangements for carrier wave telegraphy and telephony. 2,443,754, June 22.
- Valenta, Frank C., Burbank, Calif. Poultry picker. 2,456,757, Dec. 21.

- Valenti, Mario C., Barcelona, Spain. Prosthetic foot for injured or short legs. 2,446,042, July 27.
- Valentin, André, Belfort, France, assignor to General Electric Company. Dynamoelectric machine. 2,457,014, Dec. 21.
- Valentine, Harry W., deceased, Oakland, by H. B. Valentine, administratrix, Berkeley, Calif. Sash hardware. 2,449,918, Sept. 21.
- Valentine, Helen B., administratrix: *See—*
Valentine, Harry W.
- Valentine, Hudson D., Wellsville, Mo. Portable adjustable holdall clamp. 2,442,736, June 1.
- Valentine, Joseph E., Plainfield, assignor to Oxyzn Company, Clifton, N. J. Noise insulating ring for earphones. 2,447,470, Aug. 17.
- Valiton, Frederick H., assignor of one-half to C. L. Colbert, Deer Lodge, Mont. Top milk extractor. 2,450,313, Sept. 25.
- Valk, William E., assignee, et al.: *See—*
Chilton, Roland.
- Vallandigham, Vance V., Park Ridge, Ill., assignor to Kelco Company, San Diego, Calif. Film-forming compositions for oil-proof containers. 2,435,701, Feb. 10.
- Vallée, Phillip W., Lakewood, assignor to Thompson Products, Inc., Cleveland, Ohio. Pressure welding machine. 2,435,702, Feb. 10.
- Vallen, Matheus M. P., and J. M. H. van den Dolder, assignors to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Light sensitive blueprint material and manufacturing the same. 2,443,844, June 22.
- Valley, George E., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Indicating system. 2,455,283, Nov. 30.
- Valley National Bank of Phoenix, The, assignee: *See—*
Focht, Carl W.
- Valrose, Anthony J.: *See—*
Stoeck, Joseph F., and Valrose.
- Van Acker, Joseph E., Haledon, N. J. Gas-actuated turbine-driven compressor. 2,447,292, Aug. 17.
- Van Allen, Lawrence R., Chicago, Ill. Blanching natural gums or resins. 2,455,199, Nov. 30.
- Van Alphen, Pieter M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Schmidt type optical system with parallel plate refractive element. 2,449,259, Sept. 14.
- Van Alphen, Pieter M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Schmidt type optical system with opaque diaphragm. 2,449,345, Sept. 14.
- Van Alsburg, Jerold H., assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Window stool air outlet. 2,446,356, Aug. 3.
- Van Alstyne, Richard F., Davenport, Iowa. Chimney insulation. 2,446,729, Aug. 10.
- Van Amburg, Otto H., Bridgeport, and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Lamp fixture. 2,437,569, Mar. 9.
- Van Amstel, Johannes J. A. P., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Method of manufacturing selenium cells. 2,443,878, June 22.
- Van Amstel, Johannes J. A. P., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Blocking-layer cell. 2,446,254, Aug. 3.
- Van Antwerp, George S., Norristown, Pa. Sectionalized aerial duct. 2,451,004, Oct. 12.
- Van Arendonk, Arthur M.: *See—*
Shonle, Horace A., and Van Arendonk.
- Van Auken, Howard C.: *See—*
Chafee, Earl W., and Van Auken.
- Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Electronic voltmeter. 2,452,880, Nov. 2.
- Van Beuren, John M., Morristown, and E. Conrad, assignors to Measurements Corporation, Boonton, N. J. Balanced alternating current excited vacuum tube meter. 2,434,822, Jan. 20.
- Van Beuren, John M., Morristown, and E. Conrad, assignors to Measurements Corporation, Boonton, N. J. Vacuum tube meter. 2,434,823, Jan. 20.
- Van Brederode, Mary S., executrix, et al.: *See—*
Smith, Robert A.
- Van Brocklin, Charles S., Portsmouth, N. H. Tool. 2,451,892, Oct. 19.
- Van Bruggen, Marinus G.: *See—*
Verwey, Evert J. W., and van Bruggen.
- Van Brummelen, Marinus, New York, N. Y. Box blank separator. 2,455,836, Dec. 7.
- Van Brunt, John Deere, Company, assignee: *See—*
Hyland, William A.
Starr, John H.
- Van Brunt, Vernon, Ecorse, Mich. Releasable bobber stop for fishlines. 2,440,980, May 4.
- Van Buren, Charles J., Fort Lauderdale, Fla. Head for Venetian blinds. 2,435,373, Feb. 3.
- Van Buren, Tracy H., Sturgis, Mich. Locking means for adjustable back chairs. 2,453,879, Nov. 16.
- Van Buren, Walter H., Philadelphia, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing. 2,444,908, July 6.
- Van Campen, Marcus G., Jr.: *See—*
Shelton, Robert S., and Van Campen.
- Van Campen, Marcus G., Jr., Wyoming, and R. S. Shelton, Mariemont, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Substituted pyridinium and piperidinium compounds. 2,446,796, Aug. 10.
- Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Computing device. 2,438,425, Mar. 23.
- Vance, Robert M., Cleveland, and A. G. Horney, Worthington, Ohio, assignors to Air Reduction Company, Incorporated, New York, N. Y. 2-chloroethylcyclopropyl ether and preparing it. 2,437,368, Mar. 9.
- Vance, Robert M., Cleveland, Ohio, and A. G. Horney, Flattsburg, assignors to Air Reduction Company, Incorporated, New York, N. Y. Method for the preparation of 1-chloro-3-bromo-2-(2-chloroethoxy)-propane and the compound prepared. 2,437,866, Mar. 16.
- Vance, William G. C.: *See—*
Flurscheim, Cedric H., and Vance.
- Van Cleef, Paul, and F. Chonacki, Chicago, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Tape dispenser. 2,434,776, Jan. 20.
- Van Cleef, Paul, and F. Chonacki, Chicago, Ill., assignors, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Tape dispenser. 2,447,145, Aug. 17.
- Vancura, Frank, Santa Ana, Calif. Geometrical instrument. 2,443,364, June 15.
- Van Damme, Louis E., Paramus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Portable coin collector for telephone systems. 2,444,074, June 29.
- Van De Boe, Rexford C., Drexel Hill, Pa. Door check and closer. 2,449,826, Sept. 21.
- Vande Bunte, Donald L., assignor to Packard Motor Car Company, Detroit, Mich. Ink for etching metal. 2,441,300, May 11.
- Van Degrift, Thomas C., A. W. Zmuda, and E. F. Riopelle, assignors to General Motors Corporation, Detroit, Mich. Balancing machine. 2,449,429, Sept. 14.
- Van de Kamp, Jacob: *See—*
Conn, John B., and van de Kamp.
Miller, Stewart M., and Van de Kamp.
- Van de Kamp, Jacob, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing nicotinamide. 2,435,809, Feb. 10.
- Van Dellen, Edward, and R. N. Ball, Visalia, Calif. Onion flavored melon stuffing. 2,436,463, Feb. 24.
- Van den Akker, Johannes A., Appleton, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Film extensibility testing method and apparatus. 2,457,788, Dec. 28.
- Van Denberg, Donald E., Rockford, Ill. Coffee filter. 2,446,499, Aug. 3.
- Van Den Berge, Hendrik J., and H. P. Hubea, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding device. 2,453,950, Nov. 16.
- Van den Bosch, Francois J. G., and E. T. J. Tapp, London, England, assignors to Radio Electronics Limited. Supporting structures for the electrodes of electron discharge devices. 2,436,734, Feb. 24.
- Van den Dolder, Jan M. H.: *See—*
Vallen, Matheus M. P., and van den Dolder.
- Vanderbilt, Byron M., Westfield, N. J., and P. T. Parker, Baton Rouge, La., assignors to Standard Oil Development Company. Container. 2,453,880, Nov. 16.
- Van der Heem, Jan, The Hague, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver circuit arrangement. 2,452,340, Oct. 26.
- Van Derhoef, Henry E., Rochester, N. Y., and M. P. Davis, Sarasota, Fla., assignors to Eastman Kodak Company, Rochester, N. Y. Slitting machine. 2,448,934, Sept. 7.
- Van der Hoeven, Bernard J. C., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Refining of naphthalene by distillation. 2,440,707, May 4.
- Vanderlaan, Charles H., Larchmont, assignor to Radio Patents Corporation, New York, N. Y. Flare. 2,435,520, Feb. 3.
- Van der Laan, Pancras J., Utrecht, assignor to Nederlandsche Organisatie voor toegepastnatuurwetenschappelijk onderzoek ten behoeve van de Voeding, The Hague, Netherlands. Producing ketogulonic acid and its esters. 2,444,858, July 6.
- Vanderlyn, Daniel F., Ellenville, and J. N. Vanderlyn, Kingston, N. Y. T. S. Vanderlyn, executor of the estate of D. F. Vanderlyn, deceased. Invalid lift. 2,439,066, Apr. 6.
- Vanderlyn, Jay N.: *See—*
Vanderlyn, Daniel F. and J. N.
- Vanderlyn, Tracy S., executor: *See—*
Vanderlyn, Daniel F. and J. N.
- Van der Mark, Jan, and T. J. Weyers, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the transmission of signals by means of frequency-modulated carrier waves. 2,455,959, Dec. 14.
- Van der Pyl, Edward, Holden, Mass., assignor to Agclde Laboratories, Inc., Racine, Wis. Molding resin-bearing vegetable shell material. 2,440,789, May 4.

- Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Band saw with diamond abrasive teeth. 2,442,153, May 25.
- Vanderscheer, James, Ridgewood, and E. H. Hull, Allendale, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Rocky Mountain spotted fever diagnostic antigen and preparation of the same. 2,439,229, Apr. 6.
- Vander Valk, Christy J.: *See—*
Burrell, Harry, and Vander Valk.
- Van der Valk, Johannes H. A. P. L., Surbiton, England, and J. D. Ruys, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Acid recovery process. 2,441,521, May 11.
- Van der Veen, Tiemen, Amsterdam, Netherlands. Rubber heel. 2,457,015, Dec. 21.
- Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Sliding door lock. 2,447,219, Aug. 17.
- Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Sliding door lock. 2,448,748, Sept. 7.
- Vandervell Products Limited, assignee: *See—*
Johnson, Ernest W.
- Van der Ven, Adrianus J. H., Bournemouth, Hants, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Voltage stabilizing circuits. 2,457,615, Dec. 28.
- Van der Vliet, Jacob, and W. Stevens, Weesp, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing a 7-dehydrosterol. 2,441,091, May 4.
- Vandervoort, Lorain, assignor to The Weatherhead Company, Cleveland, Ohio. Self-adjusting tappet. 2,442,575, June 1.
- Vandervoort, Lorain N.: *See—*
Parker, Arthur L., and Vandervoort.
Sachini, Columbus R., and Vandervoort.
- Vandervoort, Lorain N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for fireless tubes. 2,450,314, Sept. 28.
- Vander Wal, Robert J.: *See—*
Ralston, Anderson W. McCorkle, and Vander Wal.
- Vander Weyden, Allen J.: *See—*
Hurd, Loren C., Vander Weyden, and Stroupe.
- Van der Willigen, Paul C.: *See—*
Biefait, Henri, and van der Willigen.
- Van der Woude, Fritz R., assignor to The General Industries Company, Elyria, Ohio. Small fractional horse power shaded pole synchronous motor. 2,435,911, Feb. 10.
- Van der Ziel, Aldert: *See—*
Strutt, Maximiliaan J. O., and Van Der Ziel.
Strutt, Maximiliaan J. O., van der Ziel, and van Overbeek.
- Van Der Ziel, Aldert, and M. J. O. Strutt, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency tuned amplifying circuit. 2,444,864, July 6.
- Van Doehren, George, Fredericksburg, Iowa. Oil filter screen. 2,437,008, Mar. 2.
- Van Dornick, Edward M., New York, N. Y. Fluid catalytic cracking. 2,436,464, Feb. 24.
- Van Dresser Specialty Corporation, assignee: *See—*
Van Dresser, William C.
- Van Dresser, William C., deceased, Grosse Pointe; H. D. Stoddard, administrator, assignor to Van Dresser Specialty Corporation, Detroit, Mich. Sun visor. 2,441,780, May 18.
- Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation. Preparing a photosensitive blood albumin lithographic solution. 2,434,727, Jan. 20.
- Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Protecting surface for a steel lithographic plate. 2,441,653, May 18.
- Van Dusen, Charles H., Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Treated planographic printing plate. 2,448,749, Sept. 7.
- Van Dusen, Frederick J., Jackson Heights, N. Y. Shock resisting retainer. 2,446,445, Aug. 3.
- Van Dusen, Mary R., Yale, Mich. Table and ironing board. 2,440,990, May 4.
- Van Dyke, Edward E., Sherman Oaks, and K. Kerr, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Control cable for aircraft. 2,448,847, Sept. 7.
- Van Dyke, William D., Tarzana, and P. A. Dennis, Manhattan Beach, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Metal foil type strain gauge and making same. 2,457,616, Dec. 28.
- Van Eps, Fred, Plainfield, N. J. Control mechanism for sound reproducing. 2,440,420, Apr. 27.
- Van Eps, George, North Hollywood, Calif. Bridge. 2,455,452, Dec. 7.
- Van Etten, Howard A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stain resistant plasticized polyvinyl chloride resin coatings. 2,453,052, Nov. 2.
- Vang, Alfred, Newark, N. J. Induction heat-treatment. 2,446,202, Aug. 3.
- Vang, Alfred, Newark, N. J. Carbureting air for fuel mixtures. 2,454,900, Nov. 30.
- Vang, Alfred, New York, N. Y. Filling of code slots or notches in embossed printing plates or stencils. 2,447,293, Aug. 17.
- Van Geel, Willem C., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Blocking-layer electrode system. 2,456,758, Dec. 21.
- Van Gilder, Carl F., Roselle, N. J., assignor to Standard Oil Development Company. Preparing salts of alkyl phenol sulfides. 2,449,026, Sept. 7.
- Van Guelpen, Louis J.: *See—*
Bergstein, Samuel, and Van Guelpen.
- Van Gundy, Charlie E.: *See—*
Love, Homer, Britain, Langton, and R. E. and C. E. Van Gundy.
- Van Gundy, Ralph E.: *See—*
Love, Homer, Britain, Langton, and R. E. and C. E. Van Gundy.
- Van Hartesveldt, Carroll H., Rosemont, assignor to The Atlantic Refining Company, Philadelphia, Pa. Determining the rust-preventing properties of lubricants. 2,451,592, Oct. 19.
- Van Hasbroeck, Roland A., London, England. Apparatus for irrigating cavities and passages of the body. 2,442,278, May 25.
- Van Hofweegen, Johannes M.: *See—*
Knol, Kornelis S., and van Hofweegen.
- Van Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Circuit breaker. 2,454,106, Nov. 16.
- Van Horn, Harry T.: *See—*
Killingsworth, Robert B., Van Horn, and Spelshouse.
- Van Horn, Irving H., East Cleveland, Ohio, assignor to General Electric Company. Lamp filament support and connection. 2,449,679, Sept. 21.
- Van Horn, Perry E., Grand Rapids, Mich. Gate. 2,434,447, Jan. 13.
- Van House, Russell W., assignor to Parke, Davis & Company, Detroit, Mich. Manufacture of vitamin intermediates. 2,443,334, June 15.
- Van Hove, Desire H., Northville, assignor to Falls Spring & Wire Company, Detroit, Mich., and Great Lakes Spring Corporation, Chicago, Ill. Upholstery spring structure. 2,446,500, Aug. 3.
- Van Hyning, Betty A., Akron, Ohio. Test tube holder. 2,441,734, May 18.
- Vanick, James S.: *See—*
Gagnebin, Albert P., Seigle, and Vanick.
- Vanity Fair Mills, Inc., assignee: *See—*
Amidon, Roy C.
Young, George O.
- Van Keuren, Henry P., deceased, late of Bloomfield, Ohio, by Marie S. van Keuren, administratrix, Bloomfield, Ohio. Making tubular members by progressive helical welding. 2,433,966, Jan. 6.
- Van Keuren, Marie S., administratrix: *See—*
Van Keuren, Henry P.
- Vanlaer, Pierre G. E. A., Le Cannet-Rocheville, Alpes-Maritimes, France. Sectional weaving loom. 2,448,935, Sept. 7.
- Van Lanen, James M.: *See—*
Le Mense, Elmer H., and Van Lanen.
Tanner, Fred W., and Van Lanen.
Tanner, Fred W., Jr., Wickerham, and Van Lanen.
- Van Leuven, John F., Pacific Palisades, Calif. Portable film rack. 2,435,298, Feb. 3.
- Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company. Treating coiled tungsten filaments. 2,439,913, Apr. 20.
- Van Loenen, William F., Los Altos, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Electrophoretic separating apparatus. 2,448,848, Sept. 7.
- Van Loon, Carel J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver with band-spread control for a number of comparatively narrow frequency bands. 2,434,299, Jan. 13.
- Van Mater, Henry L.: *See—*
Wainer, Eugene, and Van Mater.
- Van Meeteren, Donald, Sheldon, Iowa. Poultry feeder. 2,438,080, Mar. 16.
- Van Ness, Henry E., Elmira, N. Y. Resilient bushing. 2,437,843, Mar. 16.
- Van Ness, William C., Lynbrook, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating mechanism for sewing machine loop takers. 2,441,942, May 18.
- Van Norman Company, assignee: *See—*
Healy, Francis P.
White, Charles E.
- Vannoy, Wesley G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicate paints. 2,449,346, Sept. 14.
- Van Olden, Jacques T., Durban Natal, Union of South Africa. Combination implement. 2,437,770, Mar. 16.
- Van Orden, Clarence H., Newark, N. J. Luminous electrical discharge device. 2,445,012, July 13.
- Van Orden, Leo J.: *See—*
Dickinson, John T., Morfit, and Van Orden.
- Van Ornum, Delbert G., Great Falls, Mont. Electroplating apparatus. 2,457,510, Dec. 28.

- Vanott Machine Corp., assignee: *See*—
Abbott, Walter De F.
- Van Overbeek, Adrianus J. W. M.: *See*—
Strutt, Maximilian J. O., van der Ziel, and van Overbeek.
- Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with deflection control. 2,453,647, Nov. 9.
- Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Heating means for centrifugal baskets. 2,435,023, Jan. 27.
- Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Centrifugal machine. 2,455,284, Nov. 30.
- Van Riper, John C., Radburn, assignor to J. H. Hays, Morristown, N. J. Spinner control mechanism. 2,449,630, Sept. 21.
- Van Rosen, Robert, New York, N. Y., assignor to Techniques, Inc. Handle for cardboard and fibre boxes and the like. 2,434,630, Jan. 13.
- Van Rosen, Robert, New York, N. Y. Dispenser. 2,448,130, Aug. 31.
- Van Ryan, Anthony: *See*—
Kyle, William D., Jr., and Van Ryan.
- Van Ryan, Anthony, South Milwaukee, Wis., assignor to Line Material Company. Circuit breaker. 2,448,695, Sept. 7.
- Van Sant, Robert H., Alexandria, Va. Applicator. 2,452,273, Oct. 26.
- Van Sant, Victor H., Glen Ridge, N. J. Plug type circuit breaker. 2,434,728, Jan. 20.
- Van Saun, Raymond H., Berkeley, Calif., assignor to Container Corporation of America, Chicago, Ill. Apparatus for forming container heads. 2,434,375, Jan. 13.
- Van Sciver, Herbert D., Merion, assignor to The Budd Company, Philadelphia, Pa. Method of and apparatus for weld control. 2,433,967, Jan. 6.
- Van Sciver, Herbert D., II, Merion, assignor to The Budd Company, Philadelphia, Pa. Weld control system with current compensation. 2,434,132, Jan. 6.
- Van Sickels, John H., assignor to Imperial Tobacco Company of Canada Limited, Montreal, Quebec, Canada. Tobacco pouch. 2,443,484; June 15.
- Van Sickle, Doris M., administratrix: *See*—
Brown, Carl A., and Van Sickle.
- Van Sickle, Frank B.: *See*—
Brown, Carl A., and Van Sickle.
- Van Sickle, Kenneth J., assignor to Papec Machine Company, Shortsville, N. Y. Row crop silage harvester. 2,442,520, June 1.
- Van Sittert, Paul, Shaker Heights, M. Kostrubanic, Jr., Cleveland, and E. W. Lehman, East Cleveland, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,454,416, Nov. 23.
- Van Someren, Ernest H. S.: *See*—
Rollason, Ernest C., and van Someren.
- Van Steenis, Otto L.: *See*—
Lemmens, Hendricus J., Jonker, and van Steenis.
- Van Stone, Robert, J., Rocky River, Ohio. Fender brace. 2,455,629, Dec. 7.
- Van Trine, Leona T., assignee, et al.: *See*—
Van Trine, Ralph.
- Van Trine, Ralph, assignor of thirty per cent to L. T. Van Trine and thirty per cent to M. V. Davis, Durham, N. C. Companion clutch and brake pedal for automobiles and the like. 2,451,700, Oct. 19.
- Van Trine, Ralph, assignor of thirty per cent to L. T. Van Trine and thirty per cent to M. V. Davis, Durham, N. C. Bottle cap remover. 2,454,531, Nov. 23.
- Vanuch, Joseph P., Lakewood, Ohio. Rotary brush assembly. 2,441,781, May 18.
- Van Vandt, Claiborne C., Oconomowoc, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Step bearing for gyratory crushers. 2,448,936, Sept. 7.
- Van Veen, Anton, Canton Center, and K. B. Noble, Braintree, Conn. Door stop. 2,442,108, May 25.
- Van Vessel, George E., Nauvauk, assignor to The Bristol Company, Waterbury, Conn. Automatic electric motor control system. 2,440,352, Apr. 27.
- Van Vleet, James G., Larchmont, and G. W. Patch, Jr., Kenmore, assignors to The Linde Air Products Company, New York, N. Y. Method of and apparatus for storing and dispensing liquefied gases. 2,435,332, Feb. 3.
- Van Vulpen, John: *See*—
Yindrock, John J., and Van Vulpen.
- Van Wagendonck, Willem J., Corvallis, Oreg., assignor to Research Corporation, New York, N. Y. Food accessory substance. 2,439,914, Apr. 20.
- Van Weenen, Francisus L., and W. H. Stigter, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Flexible connecting rod. 2,436,908, Mar. 2.
- Van Wert, Charles H., Chatham, N. J. Adjustable eaves trough support. 2,448,750, Sept. 7.
- Van Winkle, Delbert M., Newton, and D. C. Buffum, Cambridge, Mass. Torsion specimen and holder for same. 2,454,850, Nov. 30.
- Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Snider.
- Van Winkle, Marshall, Jr.: *See*—
Place, Charles E. S., and Van Winkle.
- Van Wormer, Willard J., Jr., and T. W. Hawkins, assignors to McCormick Armstrong Company, Wichita, Kans. Plastic display rack. 2,440,814, May 4.
- Van Wyck, Peter, Bland District, Va., assignor to Hercules Powder Company, Wilmington, Del. Stabilization of cellulose ethers. 2,445,374, July 20.
- Van Zelm, Willem D.: *See*—
Kraemer, Robert W., Hill, and van Zelm.
- Van Zile, Wilbur N., Corona, Calif. Method and apparatus for root canal treatment. 2,436,623, Feb. 24.
- Vapor Heating Corporation, assignee: *See*—
Yindrock, John J., and Van Vulpen.
- Varela, Alfonso P., New York, N. Y. Stud-welding gun. 2,439,830, Apr. 20.
- Varian, Russell H.: *See*—
Hansen, William W., and Varian.
- Varian, Russell H., Bellmore, and W. W. Hansen and J. R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Object detecting and locating system. 2,435,615, Feb. 10.
- Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Aircraft landing system. 2,435,988, Feb. 17.
- Varian, Russell H., Bellmore, N. Y., assignor to The Sperry Corporation. High-frequency tube structure. 2,445,811, July 27.
- Varian, Russell H., Wantagh, N. Y., assignor to The Sperry Corporation. Electron beam apparatus. 2,449,569, Sept. 21.
- Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Radio ground clearance indicator. 2,453,169, Nov. 9.
- Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Modulated wave modifying apparatus. 2,455,393, Dec. 7.
- Varian, Sigurd F., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Machine tool apparatus. 2,433,874, Jan. 6.
- Varian, Sigurd F., and L. F. Sorg, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency apparatus. 2,439,831, Apr. 20.
- Variety Development and Engineering Company, assignee: *See*—
Livers, Carlos B.
- Varnee, Ernest H., assignor to Rane Tool Company, Inc., Jamestown, N. Y. Metalworking machine. 2,437,794, Mar. 16.
- Varner, Charles E., Toledo, Ohio. Antiskid device. 2,456,544, Dec. 14.
- Varner, Eldred L., Cochranville, Pa. Electrical connection for crane hooks. 2,433,938, Jan. 6.
- Varney, Arthur F.: *See*—
Smith-Clarke, George T., and Varney.
- Varney, C. B., assignee: *See*—
Wilson, Charles R.
- Varney, Fred M. and J. A., Los Angeles, Calif. Signalling clinograph. 2,435,934, Feb. 10.
- Varney, Justin A.: *See*—
Varney, Fred M. and J. A.
- Varnum, Victor V., Tama, Iowa. Heating instrument. 2,455,453, Dec. 7.
- Vars, Ethan W., Duncannon, assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa. Adjustable drawbar and adjustable mounting therefor. 2,453,556, Nov. 9.
- Vass, Martin, River Rouge, Mich. Demountable sanding disk. 2,443,755, June 22.
- Vastano, Joseph J., assignor to F. & V. Manufacturing Co., Inc., East Providence, R. I. Expandable linkage for bracelets and watch bracelets. 2,444,684, July 6.
- Vaudreuil, John, Chicago, Ill. Dishwashing machine. 2,440,161, Apr. 20.
- Vaughan, John A.: *See*—
McLaren, Peter J., Vaughan, and Fry.
- Vaughan, Victor G., and J. O. Moorehead, assignors to Metals and Controls Corporation, Attleboro, Mass. Heating control system. 2,446,677, Aug. 10.
- Vaughan, William E.: *See*—
Rust, Frederick F., and Vaughan.
- Vaughan, William E., Berkeley, and E. R. Bell, Norwalk, assignors to Shell Development Company, San Francisco, Calif. Hydrogen bromide catalyzed oxidation reactions. 2,435,763, Feb. 10.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of halogenated hydrocarbons. 2,446,797, Aug. 10.
- Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrogen bromide catalyzed oxidation of organic compounds. 2,449,347, Sept. 14.
- Vaughan, William E., Berkeley, and B. Barnett, assignors to Shell Development Company, San Francisco, Calif. Plastic sulfur vulcanizing agent, method for its utilization and vulcanizable compositions containing the same. 2,450,771, Oct. 5.
- Vaughn-Jones, Ian N.: *See*—
Taylor, Maurice K., and Vaughn-Jones.
- Vaughn, Kenneth E., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-frequency tuning unit. 2,445,700, July 20.
- Vaughn Machinery Company, The, assignee: *See*—
Nye, Norman H., and Rogers.

- Vaughn, Raymond E.: *See*—
Gravenhorst, Everett, and Vaughn.
- Vaughn, Thomas H.: *See*—
Ash, Arthur B., Carlson, Koslin, and Vaughn.
West, Walter F., Bacon, and Vaughn.
- Vaughn, Thomas H., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Synthesis of chloral. 2,456,545, Dec. 14.
- Vaughn, Thomas J., and B. O. Morgan, Odessa, Tex.; said Morgan assignor to said Vaughn. Apparatus for converting fuels from liquid to gaseous state. 2,445,502, July 20.
- Vautrain, Lucien H., Borger, Tex., assignor to Phillips Petroleum Company. Recovering hydrogen fluoride from hydrocarbon mixtures. 2,444,316, June 29.
- Vazquez, Joseph F., New York, N. Y. Precision sharpening device for cutting blades. 2,441,459, May 11.
- Veatch, Harry O., Los Angeles, Calif. Air mattress construction. 2,450,699, Oct. 5.
- Veatch, Franklin: *See*—
Hughes, Everett C., and Veatch.
- Veatch, Joseph G., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Toroidal winding machine. 2,437,309, Mar. 9.
- Vedder, Edwin H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control circuit. 2,434,603, Jan. 13.
- Vedder, Walter O., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector. 2,453,951, Nov. 16.
- Vedenais, Dmitri, Berkeley, Calif. Production of electrolytic manganese. 2,446,313, Aug. 3.
- Veeder, Nicholas P., Clayton, Mo., assignor to Granite City Steel Company, Inc., Granite City, Ill. Making corrugated galvanized steel sheets. 2,457,420, Dec. 28.
- Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey K.
- Veit, Hermann E., Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Fastener. 2,442,064, May 25.
- Veley, Hugh N.: *See*—
Herrick, George G., and Veley.
- Velle, Orville O., Bellingham, Wash., deceased; O. W. Norton, executor, assignor to United Engineering Company, Bellingham, Wash. Closure mechanism. 2,447,042, Aug. 17.
- Velsicol Corporation, assignee: *See*—
Hyman, Julius.
- Velten, Edmund M., assignor to Chemical Developments Corporation, Dayton, Ohio. Adsorption apparatus. 2,450,533, Oct. 5.
- Veltman, James H. F.: *See*—
Hill, William H., and Veltman.
- Velva-Sole Corporation, assignee: *See*—
Hukill, Harry E.
- Venango Engineering Company, Inc., assignee: *See*—
Robertson, Alexander.
- Venard, William G., San Francisco, Calif. Column form. 2,443,059, June 8.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Self-locking separable fastener. 2,440,790, May 4.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Joint. 2,444,121, June 29.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Tie rod joint seal. 2,456,546, Dec. 14.
- Vendo Company, The, assignee: *See*—
Young, Cyril C., and Troupe.
- Veneklasen, Paul S.: *See*—
Watson, Norman A., Veneklasen, Leonard, and Gales.
- Veneklasen, Paul S., and N. A. Watson, Los Angeles, Calif., assignors to the United States of America. Material for use in the manufacture of ear defenders and the like. 2,450,101, Sept. 25.
- Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America as represented by the Office of Scientific Research and Development. Sound shield for telephone transmitters. 2,456,346, Dec. 14.
- Ventnor Boat Works, Inc., assignee: *See*—
Heinsohn, Henry C., Jr.
- Venton, Frederick R.: *See*—
Fawkes, Donald G., and Venton.
- Ventura Tool Company, assignee: *See*—
Hanes, James W. E.
- Verbanc, John J.: *See*—
Neal, Arthur M., and Verbanc.
- Verbanc, John J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic isocyanates. 2,437,867, Mar. 16.
- Verderber, Joseph, Cleveland, Ohio. Golf club. 2,455,150, Nov. 30.
- Vergnaud, Paul, and J. Pigeot, Melle, assignors to Les Usines De Melle (Societe Anonyme), Saint-Leger-Melle, France. Production of laevulose from vegetable materials. 2,434,235, Jan. 6.
- Vergne, Pierre L. A., Saint-Cloud, assignor to Societe "Elox" Courbevoie, France. Overload release clutch. 2,436,947, Mar. 2.
- Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container forming machine. 2,446,798, Aug. 10.
- Vergobbi, Robert W.: *See*—
Eaton, Lewis B., and Vergobbi.
- Verhoek, Frank H., Worthington, Ohio, and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing mirrors by chemical deposition. 2,445,253, July 13.
- Verkuil, Leo L., Tortenville, N. Y., assignor to Edwards & Company, Inc., Norwalk, Conn. Push-button switch construction. 2,454,295, Nov. 23.
- Vermillion, Herbert E., Fishkill, assignor to The Texas Company, New York, N. Y. Alkylation of isobutane with ethylene. 2,452,166, Oct. 26.
- Vermillion, Raymond K., St. Petersburg, Fla. Electronic noise eliminator. 2,450,818, Oct. 5.
- Vermont Hosiery and Machinery Co., assignee: *See*—
Marsland, Howard.
Nadon, Eugene O.
- Verner, James, Pocahontas, Iowa. Corner brace for fences. 2,445,545, July 20.
- Verner, Stanley, Montreal, Quebec, Canada. Dispensing container. 2,457,107, Dec. 21.
- Verney, Bernard, trustee: *See*—
Schulz, Fred R.
- Vernon, Murray, assignor to S. E. & M. Vernon Inc., New York, N. Y. Loose leaf book construction. 2,435,521, Feb. 3.
- Vernon, S. E. & M., Inc., assignee: *See*—
Vernon, Murray.
- Versaw, Forest F., Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Strain gauge. 2,455,285, Nov. 30.
- Versen, Kurt, Tenafly, N. J. Lighting fixture. 2,456,903, Dec. 21.
- Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Corset or like garment. 2,442,225, May 25.
- Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, assignee: *See*—
Wernli, Max.
- Verwey, Evert J. W., and M. G. van Bruggen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ceramic insulator. 2,434,236, Jan. 6.
- Vest, Joe R., Phoenix, Ariz. Vacuum apparatus for investment of patterns. 2,457,756, Dec. 28.
- Vesta, Lewis A., Boyd, Minn. Safety device for tractor seats. 2,444,387, June 29.
- Vetrano, Louis F., assignor of three-fourths to W. J. Pugh, Oakland, Calif. Beer faucet. 2,450,315, Sept. 28.
- Vettel, Arthur W.: *See*—
Woodard, Teynham, Vettel, and Scandrett.
- Vezie, Leo W., Phoenix, Ariz. Safety valve coffee maker. 2,452,881, Nov. 2.
- Vezzosi, Ferdinand D., Newark, N. J., assignor to the United States of America as represented by the Secretary of War. Clamping device. 2,446,564, Aug. 10.
- Viall, Charles S., Sr., assignee: *See*—
Overby, Stanley.
- Viall, George K.: *See*—
Hilkemeier, Louis G., and Viall.
Miller, Arthur E., Viall, and Lindow.
- Vibra Co. Soc. de Resp. Ltda., assignee: *See*—
Holm, Walter P. T.
- Vibraseal Corporation, assignee: *See*—
Witse, Sumner.
- Vibro-Plus Corporation, assignee: *See*—
Söderström, Folke B.
Wenander, Harald S.
- Vick Chemical Company, assignee: *See*—
Ninger, Frederick C.
- Vick, Fred A., Greenbelt, Md., assignor to the United States of America, as represented by the Secretary of War. Recoil operated device for opening and closing a breechblock mechanism. 2,434,972, Jan. 27.
- Vickers-Armstrongs Limited, assignee: *See*—
Ingoldby, Maurice K., and Abbink-Spauk.
Perry, Charles.
Wallis, Barnes N.
Wilkins, Herbert C.
- Vickers Incorporated, assignee: *See*—
George, Joseph J.
Herman, Albert D., and Harrington.
Herman, Kenneth R.
Lane, Albert M., Kirkpatrick, and Erskine.
Postel, Kenneth I.
Tweeddale, Ralph L.
Tweeddale, Ralph L., and George.
Weathers, Leland C.
- Vickers, Robert D.: *See*—
Rogers, Thomas H., Jr., and Vickers.
- Vickers, Theodore W., Los Angeles, Calif. Screw and nut actuating mechanism. 2,444,886, July 6.
- Vickers, Theodore W., Los Angeles, Calif. Electrical machine. 2,454,359, Nov. 23.
- Vickery, Ralph W. E., Brockton, Mass. Self-regulating electric steam generator. 2,447,294, Aug. 17.
- Vickroy, George S., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Rail brace. 2,449,260, Sept. 14.
- Vicksell, Victor A.: *See*—
Bundren, Harry E.
- Vico Products Company, assignee: *See*—
Maizel, Ben.
Maizel, Ben, and Gerson.

- Victor Adding Machine Co., assignee: *See—*
Petry, Stanton H., and Snyder.
- Victor Chemical Works, assignee: *See—*
Gillet, James M.
Toy, Arthur D. F.
- Victor, Eva G., Mansfield, Ohio. Pie container. 2,452,969, Nov. 2.
- Victor Metal Products Corporation, assignee: *See—*
Derham, Philip A.
Hoch, John.
Jung, Albert H.
Temple, Harold F.
- Victor Products Corp., assignee: *See—*
Cleimann, Harry.
- Victoreen, Charles J. H., Dayton, Ohio. Variable inductive tuner. 2,439,403, Apr. 13.
- Victoreen, John A., Cleveland, Ohio. Method and apparatus for regulating water temperature. 2,456,094, Dec. 14.
- Victorero, Francisco A., Cardenas, Cuba. Apparatus for continuous fermentation. 2,450,218, Sept. 28.
- Victoria Precision Works Company Limited, assignee: *See—*
Stanimir, William.
- Victory Container Corporation, assignee: *See—*
Berke, Aaron.
- Victory, Frederick C., West Haven, and J. R. Moore, Bridgeport, Conn., assignors to Moore Special Tool Co., Inc. Wheel truing device. 2,452,509, Oct. 26.
- Vidal Corporation, assignee: *See—*
Marhofer, Laurence J.
- Vidal, Eugene L., and Marhofer.
- Vidal, Eugene L., Washington, D. C., and L. J. Marhofer, Haddon Heights, assignors to Vidal Corporation, Camden, N. J. Making reinforced structures. 2,451,131, Oct. 12.
- Vieira, Nicholas R., Charlotte, N. C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers with vat dye. 2,447,993, Aug. 24.
- Viers, Giles W., Denton, Tex. Cylinder firing position locator used in adjusting valve clearance. 2,437,283, Mar. 9.
- Vigerust, Oliver S., and J. Layne, La Tuna, Tex. Pants dryer and shaper. 2,435,482, Feb. 3.
- Vigilante, John: *See—*
Deutsch, Joseph J., and Vigilante.
- Vigmstad, Trygve, and S. N. Juul, deceased, by Briggs Manufacturing Company, Detroit, Mich., assignee. Vehicle body. Re. 23,007. June 15.
- Vigorith, Anthony, Cincinnati, Ohio. Turn shoe and manufacture. 2,446,357, Aug. 3.
- Vigren, Sten D.: *See—*
Rost, Helge F., Thunell, Vigren, and Claesson.
- Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibition of corrosion in wells. 2,453,881, Nov. 16.
- Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibiting corrosion in wells. 2,453,882, Nov. 16.
- Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Frequency modulation receiver tuning aid. 2,457,016, Dec. 21.
- Villemure, Fred W. A.: *See—*
Tierney, William J., Harmon, and Villemure.
- Villepigue, Julius G., assignor to North American Aviation, Inc., Inglewood, Calif. Gunner's turret for aircraft. 2,439,878, Apr. 20.
- Villers-Allerand, Raymond, assignee: *See—*
Mercier, Pierre E., and Villers-Allerand.
- Villforth, Frederick J., Jr.: *See—*
DeJubasz, Kalman J., and Villforth.
- Villiger, Eugen, and E. Benninger, assignors to Aktiengesellschaft Puer Technische Studien, Zurich, Switzerland. Multitubular heat exchanger. 2,451,786, Oct. 19.
- Vilter Manufacturing Company, The, assignee: *See—*
Taylor, William H.
- Vinal, George W.: *See—*
Schrodt, John P., Craig, and Vinal.
- Vincent, George P., Briarcliff Manor, and J. D. MacMahon, Niagara Falls, N. Y., and J. F. Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation. Treatment of water. 2,452,970, Nov. 2.
- Vincent, George P., Briarcliff Manor, and J. D. MacMahon, Niagara Falls, N. Y., and J. F. Synan, Fall River, Mass., assignors to Mathieson Chemical Corporation. Treatment of water. 2,452,971, Nov. 2.
- Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,451,132, Oct. 12.
- Vincent, John R., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of chloroprene. 2,451,787, Oct. 19.
- Vincent-McCall Company, The: *See—*
Vincent, William W., Jr.
- Vincent, V. Jack, assignee: *See—*
Allen, Richard T.
- Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chaise longue. 2,452,405, Oct. 26.
- Vinciguerra, Joseph F., Methuen, and W. C. Ford, Andover, Mass. Antirattle device for windows. 2,455,537, Dec. 7.
- Vinco Corporation, assignee: *See—*
Bennett, Racy D.
Hutto, Marsden C.
Johnson, Arden L.
Osplack, Joseph J.
- Vineberg, Arthur M.: *See—*
Bowen, Henry B., and Vineberg.
- Vines, Raymond F.: *See—*
Wise, Edmund M., and Vines.
- Vining, William H., and O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hexachlorethane. 2,440,731, May 4.
- Vint, Jesse L., Jr., assignor to Beech Aircraft Corporation, Wichita, Kans. Aircraft control. 2,454,981, Nov. 30.
- Vinyard, Roy E.: *See—*
Reading, George R., and Vinyard.
- Vinyard, Roy E., Borger, Tex., assignor to Phillips Petroleum Company. Recovery of hydrogen fluoride in an alkylation process. 2,440,454, Apr. 27.
- Vinyard, Roy E., and W. W. Roach, Borger, Tex., and B. Skinner, Bartlesville, Okla., assignors to Phillips Petroleum Company. Control of temperature in regeneration of solid hydrocarbon conversion catalysts. 2,454,901, Nov. 30.
- Vinyard, Roy M., Portland, Oreg. Duplex micrometer gauge. 2,451,419, Oct. 12.
- Violandi, Marco, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Light system for knitting machines. 2,456,160, Dec. 14.
- Violette, Richard J., Washington, D. C. Cable splicing. 2,444,075, June 29.
- Violette, Richard J., Washington, D. C. Electrical connector. 2,449,570, Sept. 21.
- Virginia-Carolina Chemical Corporation, assignee: *See—*
Eagles, Robert P.
Oppen, Anita V. L., and Ter Horst.
- Virginia Smelting Company, assignee: *See—*
Leiserson, Lee.
- Virostek, Andrew V., assignee, et al.: *See—*
Dybiec, Michael.
- Vischer, Alfred, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to A. Vischer, Jr., two-thirtieths to W. Vischer, two-thirtieths to A. Vischer, III, two-thirtieths to A. Vischer, Jr., as trustee, four-thirtieths to W. W. Zitzewitz, four-thirtieths to E. K. Zitzewitz, one-thirtieth to G. J. Zitzewitz, one-thirtieth to B. O. Zitzewitz, and two-thirtieths to G. V. Bouton. Flexible cover forming machine. 2,454,758, Nov. 23.
- Vischer, Alfred, III, assignee: *See—*
Vischer, Alfred, Jr.
- Vischer, William, assignee: *See—*
Vischer, Alfred, Jr.
- Visco, August, Philadelphia, Pa. Folding match book. 2,452,882, Nov. 2.
- Visco Products Company, assignee: *See—*
Kirkpatrick, Willard H., and Wilson.
- Visher, Paul S.: *See—*
Mathers, Frank C., and Visher.
- Visloneering Company, Inc., assignee: *See—*
Baade, Henry.
- Visking Corporation, The, assignee: *See—*
Signer, Ralph J.
- Vissat, Anthony L., Pittsburgh, Pa. Transversely sliding railway frog. 2,449,757, Sept. 21.
- Visschers, Pierre A. J. L., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Tone control amplifier. 2,444,076, June 29.
- Vitale, John A., Olean, N. Y. Costumer. 2,447,924, Aug. 24.
- Vitalis, Emil A., East Portchester, Conn., assignor to American Cyanamid Company, New York, N. Y. Demulsifying compositions. 2,435,810, Feb. 10.
- Vitalis, Emil A., East Portchester, Conn., assignor to American Cyanamid Company, New York, N. Y. Dialkyl sulfosuccinate composition. 2,441,341, May 11.
- Vitarama Corporation, The, assignee: *See—*
Waller, Fred.
Waller, Fred, and Dresser.
Waller, Fred, Dresser, and Swain.
- Vitoux, Marcel, assignor to American Vitos Company, Inc., New York, N. Y. Device for mending stockings. 2,449,154, Sept. 14.
- Vitoux, Marcel, Paris, France, assignor to American Vitos Company, Inc., New York, N. Y. Pneumatically operated mending device. 2,446,203, Aug. 3.
- Vitoux, Marcel, Paris, France, assignor to American Vitos Company, Inc., New York, N. Y. Pneumatically operated mending device. 2,446,204, Aug. 3.
- Vitoux, Marcel, Troyes, France, assignor to American Vitos Company, Inc., New York, N. Y. Pneumatic knitting device. 2,454,236, Nov. 16.
- Vitro Manufacturing Company, The, assignee: *See—*
Earl, John A.
- Vittum, Paul W.: *See—*
Glass, Dudley B., Vittum, and Weissberger.
Jelley, Edwin E., and Vittum.
- Vittum, Paul W., A. Weissberger, and L. S. Wilder, assignors to Eastman Kodak Company, Rochester, N. Y. Elimination coupling with azo-substituted couplers. 2,435,616, Feb. 10.
- Vivian, Harold F.: *See—*
Salo, Martin, and Vivian.

- Viviano, Salvatore, Richmond Heights, Mo. Support for drying paste products. 2,439,115, Apr. 6.
- Vlasak, Chester F., assignor to Weber Shoe Company, St. Louis, Mo. Shoe. 2,434,024, Jan. 6.
- Vlasic, Chris F., Milwaukee, Wis. Four-way hat expander. 2,434,184, Jan. 6.
- Vocisano, Domenico, Montreal, Quebec, Canada. Form clamping support. 2,446,255, Aug. 3.
- Voegel, Clayton B., Indianapolis, Ind. Mold for forming cementitious blocks. 2,449,732, Sept. 21.
- Voet, Andries, New York, N. Y., assignor to The Neville Company, Pittsburgh, Pa. Deashing sulfonated coumarone-indene resins. 2,445,193, July 13.
- Voet, Andries, assignor, by mesne assignments, to J. M. Huber Corporation, New York, N. Y. Emulsion printing inks. 2,450,534, Oct. 5.
- Voet, Andries, assignor to J. M. Huber, Incorporated, New York, N. Y. Preparing a dispersion of carbon black. 2,453,557, Nov. 9.
- Voet, Andries, assignor to J. M. Huber, Incorporated, New York, N. Y. Printing ink. 2,453,558, Nov. 9.
- Vogel, Frank, Philadelphia, Pa., assignor to Philip A. Udall Distributing Co., Inc. Bottle cap. 2,447,146, Aug. 17.
- Vogel, Henry A.: *See—*
Cummings, Lowell O., and Vogel.
- Vogel, Hilmond O., Chicago, Ill., assignor to International Harvester Company. Centrifugal separator. 2,456,347, Dec. 14.
- Vogel, Howard H.: *See—*
Habicht, Louis A., and Vogel.
- Vogel, Leo G., Arlington, assignor to Industrial Appliance & Equipment Co., Inc., West Newton, Mass. Apparatus for making a graphic record of a succession of similar operations by a machine. 2,440,647, Apr. 27.
- Vogel, Louis, Chicago, Ill. Fastening device. 2,443,335; June 15.
- Vogel, Louis W., Chicago, Ill. Container for fishhooks. 2,447,105, Aug. 17.
- Vogel, Max, Bridgeport, Conn. Nailing device and nails inserted thereby. 2,438,793, Mar. 30.
- Vogel, Oliver G., and F. E. Kirk, Oak Park, Ill., assignors to Hotpoint Inc. Clamp-on electric heater for water tanks and the like. 2,452,214, Oct. 26.
- Vogel, Vernon H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency subdividing system. 2,445,161, July 13.
- Vogt, Clarence W., Norwalk, Conn. Manufacture of tires. 2,445,701, July 20.
- Vogt, Curt G., Union, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Aminoanthraquinone sulfonamides. 2,453,104, Nov. 2.
- Vogt, Ernest J., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Electrical control system. 2,455,029, Nov. 30.
- Vogt, Henry, Machine Co. Inc., assignee: *See—*
Kubaugh, Benjamin F.
- Vold, Lester, assignee, et al.: *See—*
Pfeffer, William E.
- Voight, August L., Berea, Ohio. Comb. 2,449,430, Sept. 14.
- Voight, Henry G., Hamden, Conn., and S. Oxhandler, Flushing, N. Y., assignors to Sargent & Company, New Haven, Conn. Lock. 2,457,757, Dec. 28.
- Voigt, Ellsworth L.: *See—*
Hohl, John, and Voigt.
- Voigt, Oswin F.: *See—*
Goldstine, Hallan E., and Voigt.
- Voit, Willy, Stuttgart, Germany; vested in the Attorney General of the United States. Injection nozzle for internal-combustion engines. 2,439,832, Apr. 20.
- Vokes, Cecil G., London, assignor to Vokes Limited, Guildford, Surrey, England. Air filter with heat exchange arrangements. 2,437,489, Mar. 9.
- Vokes, Cecil G., and A. H. Fowler, Guildford, assignors to Vokes Limited, Guildford, Surrey, England. Oil refilling device. 2,450,700, Oct. 5.
- Vokes Limited, assignee: *See—*
Vokes, Cecil G.
Vokes, Cecil G., and Fowler.
Stokes, Edward A.
- Voland and Sons, Inc., assignee: *See—*
Wasko, Bernard, and Kistinger.
- Volgenau, Robert H., Buffalo, and J. M. Hooe, Ogdensburg, N. Y. Beehive. 2,449,348, Sept. 14.
- Volk, Anthony, Milwaukee, Wis., assignor to Schenley Distillers Corporation, New York, N. Y. Multiple grain discharge valve device. 2,436,624, Feb. 24.
- Volk, Lester D., Brooklyn, N. Y. Suturing device. 2,434,133, Jan. 6.
- Volk, Victor F.: *See—*
McConnell, Edmond S., Priestley, and Volk.
- Volkel Bros. Machine Works, assignee: *See—*
Volkel, Frank G.
- Volkel, Frank G., assignor to Volkel Bros. Machine Works, Los Angeles, Calif. Record edging lathe. 2,448,751, Sept. 7.
- Volkery, Bernhard, and J. Koslowski, Shrub Oak, N. Y. Two-part, screw-connected clamp. 2,452,406, Oct. 26.
- Vollet, George: *See—*
O'Larte, Rudolph, and Vollet.
- Vollrath, Joseph P., North Wales, assignor to The Brown Instrument Company, Philadelphia, Pa. Control system for blast furnace air. 2,448,199, Aug. 31.
- Volpicelli, Nicholas: *See—*
Gotti, George A., Killian, and Volpicelli.
- Volz, Carl, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Control circuits for vacuum tubes. 2,439,680, Apr. 13.
- Vonada, Edwin E., Duquesne, and W. E. Winterhalter, Dravosburg, Pa. Apparatus for controlling the electric heating of continuous metallic articles. 2,436,027, Feb. 17.
- Vonada, Phillip A.: *See—*
Morris, Henry D., and Vonada.
- Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,453,285, Nov. 9.
- Von Bramer, Harold, and A. C. Ruggles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of tetraalkyl lead and compositions containing the same. 2,436,838, Mar. 2.
- Von Clemm, Werner, Syosset, N. Y. Bottle container. 2,453,286, Nov. 9.
- Von Cseh, Louis, New York, assignor to Speed Products Company, Inc., Long Island City, N. Y. Self centering gauge for perforating devices. 2,445,093, July 13.
- Von Fuchs, George H., and N. B. Wilson, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust-preventive hydrocarbon compositions. 2,442,672, June 1.
- Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype layers containing resorcinol monoesters. 2,437,868, Mar. 16.
- Von Glahn, William H., Loudonville, and H. A. Bergstrom, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. 4-cyano-2,5-dialkoxyacetanilides. 2,453,692, Nov. 16.
- Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Renewable fuse. 2,449,827, Sept. 21.
- Von Meyenburg, Harald: *See—*
Hartmann, Max, and von Meyenburg.
- Von Pein, Edward J., Dayton, Ohio. Cue head. 2,435,855, Feb. 10.
- Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Power operating mechanism for typewriting machines. 2,453,287, Nov. 9.
- Von Rodenstein, Karl, Baltimore, Md. Muffler. 2,452,972, Nov. 2.
- Von Scheven, Waldemar H., Andover, assignor to Sylvania Electric Products Inc., Salem Mass. Lamp base. 2,457,789, Dec. 28.
- Von Segebaden, Ernst, Drottningholm, assignor to Arenco Aktiebolag, Stockholm, Sweden. Triangulation apparatus for determining the path of an aerial target. 2,445,546, July 20.
- Von Soden, Adolph F., Los Angeles, Calif. Recording disk for sound and pictures. 2,455,712, Dec. 7.
- Von Sydow, Rudolf W.: *See—*
Ringler, William A., Sooy, and Von Sydow.
- Von Voigtlander, Frederick, Ann Arbor, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Electric switch. 2,447,969, Aug. 24.
- Von Voigtlander, Frederick, Grass Lake Township, Jackson County, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Multiple purpose electric cooker. 2,442,253, May 25.
- Von Voigtlander, Frederick, Grass Lake Township, Jackson County, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Self-adapting connector. 2,445,981, July 27.
- Von Zelewsky, Ottomar, Neuhausen-on-the-Rheinfall, Switzerland, assignor to Aktiengesellschaft der Eisen- und Stahlwerke vorm. Georg Fischer, Schaffhausen. Lathe. 2,437,570, Mar. 9.
- Voorbis Tiebout Company, Inc., assignee: *See—*
Pumphrey, Walter H.
- Voorhees, Henry R.: *See—*
Matuaitis, Victor E., Edwards, and Voorhees.
- Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Transferring finely divided solids. 2,440,623, Apr. 27.
- Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Powdered catalyst conversion system. 2,446,678, Aug. 10.
- Voorhes Marion L., Lexington, Ky. Saddle cleaning cradle. 2,435,912, Feb. 10.
- Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a sulfide catalyst. 2,455,713, Dec. 7.
- Voorhies, Alexis, Jr., East Baton Rouge, La., assignor to Standard Oil Development Company. Conversion of hydrocarbon oils. 2,449,027, Sept. 7.
- Voorhies, Alexis, Jr., and W. E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of catalyst for use in destructive hydrogenation of hydrocarbon oils. 2,450,316, Sept. 28.
- Voorhies, Alexis, Jr., and W. E. Spicer, Baton Rouge, La., assignor to Standard Oil Development Company. Nickel-impregnated clay catalyst and process of making same. 2,450,317, Sept. 28.
- Voorhies, Carl, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pin. 2,435,935, Feb. 10.

- Voorhies, Harry E., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Mechanical self-adjusting mechanism. 2,444,317, June 29.
- Voorhies, Harry E., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve. 2,447,443, Aug. 17.
- Vorbusch, George, New Orleans, La. Gas burner supporting stand. 2,447,925, Aug. 24.
- Vordahl, Milton B.: *See*—
Catlin, John P., Eckstein, and Vordahl.
- Vore, Herbert G., Forest Hills, N. Y., assignor to American Seal-Kap Corporation, Wilmington, Del. Capping machine for feeding caps through a high-frequency heating coil. 2,457,758, Dec. 28.
- Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,455,030, Nov. 30.
- Vornado Trust, The, assignee: *See*—
Odor, Ralph K.
- Vorsanger, Fritz, Englewood, N. J. Antislip device for footwear. 2,435,169, Jan. 27.
- Vose, Richard S., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Preparation of lubricating oil. 2,435,483, Feb. 3.
- Voss, Grace, New York, N. Y., and V. G. Ellis, Montclair, N. J. Caster guard. 2,450,062, Sept. 28.
- Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay automatic telephone system. Re. 23,056, Dec. 7.
- Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Slide-controlled stop motion. 2,439,591, Apr. 13.
- Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Knitting machine press-off multiple detector. 2,441,522, May 11.
- Vossen, Edward, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Yarn carrier stop motion. 2,451,133, Oct. 12.
- Votey, Charles H., Scarsdale, assignor to New York & Brooklyn Casket Co., Brooklyn, N. Y. Burial casket construction. 2,444,275, June 29.
- Voytech, Charles F.: *See*—
Hastings, Shirrel A., and Voytech.
- Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Package-type seal. 2,444,714, July 6.
- Vredenburg, Edric W., Berkeley, Calif. Device for simultaneously filling and weighing bags. 2,436,983, Mar. 2.
- Vroman, John C., Detroit, Mich. Piston construction. 2,437,056, Mar. 2.
- Vroom, Robert C., Montclair, and J. Dunn, Tenafly, N. J., assignors to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 2,446,069, July 27.
- Vulcan Corporation, assignee: *See*—
Clausing, George.
Clausing, George, and Gary.
Clausing, Henry G.
- Vulcan Detinning Company, assignee: *See*—
Muskat, Irving E.
- Vulcan Soot Blower Corporation, assignee: *See*—
Hibner, De Los E., and Arey.
- Vunovich, Ell, Kansas City, Mo. Foldable cabinet. 2,442,154, May 25.
- Waag, Norman E., and D. E. Anderson, assignors to Thompson Products, Inc., Cleveland, Ohio. Apparatus for introduction of anti-knock fuel mixture. 2,441,301, May 11.
- Waage, Gilbert, Sandusky, Ohio. Steam iron. 2,437,571, Mar. 9.
- Waara, Otto M., Detroit, Mich. Cabinet with door actuated shelf. 2,438,772, Mar. 30.
- Wachman, Morris: *See*—
Berger, Joseph, and Wachman.
- Wachs, Theodore, Bala-Cynwyd, Pa., and J. M. Shutt, Haddonfield, N. J., assignors to Radio Corporation of America. Apparatus for molding plastic articles. 2,435,170, Jan. 27.
- Wachsman, Michael, Brooklyn, N. Y. Fabric contacting circuit closer for knitting machines. 2,448,639, Sept. 7.
- Wachtel, James, San Francisco, Calif. Skler's resting device. 2,445,344, July 20.
- Wachter, Aaron, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Prevention of corrosion in hydrogen fluoride catalytic organic reactions. 2,452,812, Nov. 2.
- Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Dicyclohexylammonium nitrite and its preparation. 2,449,962, Sept. 21.
- Waddill, Paul M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Refining of lubricating oils. 2,443,970, June 22.
- Waddill, Paul M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prevention of siliceous deposits in hydrocarbon conversion processes. 2,456,348, Dec. 14.
- Wade, Charles B.: *See*—
Gray, Griffin W., and Wade.
Ritchie, Thomas.
- Wade, Charles R., Evansville, Ind., assignor to Seeger Refrigerator Company. Detection of small leaks in receptacles. 2,434,448, Jan. 13.
- Wade, Francis A., and W. Metzner, Philadelphia, Pa. Educational apparatus. 2,457,332, Dec. 28.
- Wade, John B.: *See*—
Rankin, Dan R., and Wade.
- Wade, John B., Arcadia, Calif., assignor to Food Machinery and Chemical Corporation. Coupling stabilizer for moineau pumps. 2,456,227, Dec. 14.
- Wade, Stanley M., Benicia, assignor of one-half to J. R. Wiederrich, Lodi, Calif. Therapeutic agent. 2,452,813, Nov. 2.
- Wade Tool Co., The, assignee: *See*—
Dodge, Floyd L.
- Wade, Willard H., New York, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recording apparatus. 2,441,679, May 18.
- Wadkins, Bert M., North Muskegon, Mich. Sheet metal curtain rod. 2,435,109, Jan. 27.
- Wadleck, Joseph P.: *See*—
Munschauer, Frederick E., and Wadleck.
- Wadley, Edward F., Baytown, Tex., assignor to Standard Oil Development Company. Removing ash-forming constituents and sediment from alkaline petroleum residuum. 2,434,528, Jan. 13.
- Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Vapor phase solvent extraction process. 2,436,472, Feb. 24.
- Wadley, Edward F., and J. T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company. Interpolymerization of olefins. 2,436,238, Feb. 17.
- Wadsworth, Charles J., Nutley, N. J., assignor to R. E. Dietz Company, New York, N. Y. Road signal device or the like. 2,447,378, Aug. 17.
- Wadsworth Electric Manufacturing Co., Inc., assignee: *See*—
Landmeier, Edwin W.
- Wadsworth, Francis T., Texas City, R. J. Lee, La Marque, and P. L. Brandt, Galveston, Tex., assignors to Pan American Refining Corporation, New York, N. Y. Refining toluene with toluene sulfonic acid. 2,446,679, Aug. 10.
- Waernhoff, Ernst T.: *See*—
Flater, Harold, Berglund, Waernhoff, and Franson.
Flater, Harold, Waernhoff, and Franson.
- Wagamon, Richard E., Harbeson, Del. Method for producing poultry feeds. 2,450,318, Sept. 28.
- Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Ratchet driven tuning means. 2,435,522, Feb. 3.
- Wager, Robert H., Maplewood, N. J. Soot blower seal. 2,444,211, June 29.
- Wagers, John K., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preparation of soluble polymers of unsaturated esters of polycarboxylic acids. 2,446,314, Aug. 3.
- Waggoner, Frank H., Ramsey, N. J. Unitary andiron locking fuel holder. 2,446,894, Aug. 10.
- Waggoner, Frank H., Ramsey, N. J. Andiron. 2,447,295, Aug. 17.
- Wagle, Ira G., Washington, D. C. Hair clamp. 2,452,814, Nov. 2.
- Wagner, Carl J., Detroit, Mich. Trailer hitch. 2,435,024, Jan. 27.
- Wagner, Carl J., Detroit, Mich. Window construction. 2,452,815, Nov. 2.
- Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Plugging wells. 2,439,833, Apr. 20.
- Wagner, Charles E., Swissvale, and L. L. Fountain, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus-bar structure. 2,439,956, Apr. 20.
- Wagner, Charley L.: *See*—
Farrell, Robert A., and Wagner.
- Wagner, Clarence R., assignee, et al.: *See*—
Wagner, William F., et al.
- Wagner, E. R., Manufacturing Company, assignee: *See*—
Thiele, Berthold.
- Wagner Electric Corporation, assignee: *See*—
Dick, Burns.
Farry, Otis T.
Milster, Arthur N.
Schnell, Steve.
Shartle, Ralph W.
Wiegiers, Irvin E.
- Wagner, Frank, assignor to J. F. Helmold & Bro., Inc., Chicago, Ill. Making cutting tools. 2,455,538, Dec. 7.
- Wagner, Frank A., Vancouver, British Columbia, Canada. Vending machine. 2,444,389, June 29.
- Wagner, Frederick A., Oakland, Calif. Hydrostatic feed. 2,435,110, Jan. 27.
- Wagner, Gustave H.: *See*—
Wagner, Harold A., and G. H.
- Wagner, Harold A., and G. H., Portland, Oreg. Hoisting tower apparatus. 2,440,495, Apr. 27.
- Wagner, Harold A., and G. H., Portland, Oreg. Material lifting and transporting vehicle. 2,450,102, Sept. 28.
- Wagner, Harold H., Cincinnati, Ohio, and E. G. Magnus, assignors to The W. J. Fitzpatrick Company, Chicago, Ill. Rotor construction for comminuting and mixing machines. 2,448,848, Sept. 7.
- Wagner, Harry L., assignee, et al.: *See*—
Wagner, William F., et al.

- Wagner, Henry J., Jackson, Mo. Electrode holder. 2,453,648, Nov. 9.
- Wagner, Herbert W., and G. J. Wickstrom, assignors to Norton Company, Worcester, Mass. Method and apparatus for grinding. 2,434,679, Jan. 20.
- Wagner, Howard E., assignee, et al.: *See—*Jordain, Louis D.
- Wagner, Rio B.: *See—*Wiss, John E., and Wagner.
- Wagner, Robert L., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Thermochemical removal of metal with a flux-forming powder in the oxygen cutting stream. 2,451,422, Oct. 12.
- Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and methods for obtaining the same. Re. 23,008, June 15.
- Wagner, Roy W., Fairbury, Nebr. Pump jack. 2,452,087, Oct. 26.
- Wagner, Simon P., Rockville, Md. Fishing rod holder. 2,448,752, Sept. 7.
- Wagner, Venus M., Denver, Colo. Jaw-supporting appliance. 2,452,816, Nov. 2.
- Wagner, William, Brooklyn, N. Y. Terminal replacement for sealed refrigeration units. 2,451,701, Oct. 19.
- Wagner, William A., assignor to The Perfection Steel Body Company, Galion, Ohio. Vehicle platform. 2,447,471, Aug. 17.
- Wagner, William F., assignor of fifty per cent to C. R. Wagner and fifty per cent to H. L. Wagner, North Braddock, Pa. Flame tester. 2,441,117, May 4.
- Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and other electrical devices. 2,454,018, Nov. 16.
- Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic tubes. 2,455,324, Nov. 30.
- Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and other electrical devices. 2,456,572, Dec. 14.
- Wahl, Albert G., Los Angeles, Calif. Garment hanger. 2,435,111, Jan. 27.
- Wahl, Albert G., Los Angeles, Calif. Telephone handpiece support. 2,447,721, Aug. 24.
- Wahl, Albert G., Los Angeles, Calif. Garment hanger. 2,451,788, Oct. 19.
- Wahl, Albert G., Los Angeles, Calif. Vegetable cutter. 2,454,237, Nov. 16.
- Wahl, Eugene A., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Joint construction. 2,455,539, Dec. 7.
- Wahl, Joseph, Toronto, Ontario, Canada. Scaffold for builders. 2,444,122, June 29.
- Wahlberg, Eric C., and R. C. Lampe, Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y. Ball-bearing worm gear. 2,451,998, Oct. 19.
- Wahlberg, Nils E., Chicago, Ill., and G. V. Hedstrom, Kenosha, Wis. Wheel suspension. 2,437,844, Mar. 16.
- Wahlberg, Nils E., and F. F. Kishline, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Vibration dampener. 2,450,701, Oct. 5.
- Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic transmission and control. 2,452,704, Nov. 2.
- Wahlström, Nils H., Stockholm, Sweden. Stamp. 2,456,904, Dec. 21.
- Wainer, Eugene: *See—*Kinzie, Charles J., and Wainer.
- Wainer, Eugene, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric composition and making same. 2,436,839, Mar. 2.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Temperature stable dielectric and making same. 2,436,840, Mar. 2.
- Wainer, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric material. 2,452,532, Oct. 26.
- Wainer, Eugene, and A. N. Salomon, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Making titanate dielectric ceramic. 2,443,211; June 15.
- Wainer, Eugene, Niagara Falls, N. Y., and H. L. Van Mater, Highland Park, N. J., assignors to The Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. Zirconium lakes and making same. 2,452,616, Nov. 2.
- Wainwright, Carlyle H.: *See—*Deans, Frederick E., and Wainwright.
- Wainwright, Charles A., Raceland, La. Apparatus for regrooving sugar mill rolls. 2,442,065, May 25.
- Wainwright, George R., Glendale, assignor, by mesne assignments, to W. H. Maxwell, Los Angeles, Calif. Drop feed mechanism for sewing machines. 2,440,031, Apr. 20.
- Wainwright, George R., Glendale, assignor, by mesne assignments, to W. H. Maxwell, Los Angeles, Calif. Rotary hook. 2,452,167, Oct. 26.
- Wainwright, John E., Hunningham, near Leamington Spa, assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Forming and dressing grinding wheels. 2,442,627, June 1.
- Wainwright, Joseph A., Syracuse, N. Y., assignor to General Electric Company. Electric discharge device. 2,456,474, Dec. 14.
- Wait, Clyde F., assignor to Palace Corporation, Flint, Mich. Stack. 2,437,771, Mar. 16.
- Waite, Philip M., Corry, Pa. Ground stake. 2,447,444, Aug. 17.
- Wak, Peter T., Jr., and A. J. Carpenter, Lake Orion, Mich. Vehicle tow bar. 2,449,680, Sept. 21.
- Wakefield, Ernest H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Support for Geiger-Mueller counters. 2,443,365; June 15.
- Wakefield, Walter H.: *See—*Dion, Raymond F., and Wakefield.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Adjustable letoff for looms. 2,441,680, May 18.
- Waksman, Selman A., Highland Park, and H. B. Woodruff, Princeton, assignors, by mesne assignments, to Rutgers Research and Endowment Foundation, New Brunswick, N. J. Antibacterial substance and producing it. 2,443,485; June 15.
- Waksman, Selman A., New Brunswick, and A. Schatz, Passaic, N. J., assignors to Rutgers Research and Endowment Foundation. Streptomycin and process of preparation. 2,449,866, Sept. 21.
- Walb, Thomas A., Philadelphia, Pa. Corrosion inhibitor. 2,451,523, Oct. 19.
- Walcutt, Frank: *See—*Seward, Edgar C., and Walcutt.
- Wald, Josephine A., Detroit, Mich. Sanitary napkin holder. 2,445,094, July 13.
- Wald, Sidney, Collingswood, N. J., assignor to Radio Corporation of America. Servo mechanism. 2,454,107, Nov. 16.
- Walde, Arthur W.: *See—*Mayfield, Orley J., Moorehouse, and Walde.
- Walden, Henry W., New York, N. Y. Counterbalanced pivoted closure. 2,453,288, Nov. 9.
- Walden, Emil, and J. W. Myers, assignors, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Thermal timer for toasters. 2,436,735, Feb. 24.
- Walder Koh-I-Noor, Inc., assignee: *See—*Brozek, Lawrence.
- Feitl, Rudolf.
- Feitl, Rudolf, and Wurzel.
- Schaaff, Louis W., Walder, and Feitl.
- Walder, Sigmund: *See—*Schaaff, Louis W., Walder, and Feitl.
- Waldheim, John Elizabeth, N. J. Clothesline holder. 2,456,658, Dec. 21.
- Waldie, Earl S., assignee: *See—*Leschinsky, Francis P.
- Waldie, George A.: *See—*MacMillin, Howard F., Ernst, and Waldie.
- MacMillin, Howard F., and Waldie.
- Waldie, George A., Edison, Ohio, assignor to H-P-M Development Corporation. Electronic motor control circuits. 2,437,140, Mar. 2.
- Waldie, George A., Edison, Ohio, assignor to The Hydraulic Development Corporation, Wilmington, Del. Pump control means for hydraulic systems. 2,455,837, Dec. 7.
- Waldie, George A., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Electric hot forming apparatus. 2,443,336; June 15.
- Waldie, George A., Worthington, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Electronic control circuit. 2,449,797, Sept. 21.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexilizer. 2,437,369, Mar. 9.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle finish. 2,443,212; June 15.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle varnish. 2,443,284; June 15.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible wrinkle finish and making. 2,455,540, Dec. 7.
- Waldie, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Air dry wrinkle finish. 2,455,541, Dec. 7.
- Waldman, M. L., assignee, et al.: *See—*Weiss, Solomon.
- Waldman, Rose, Jersey City, N. J. Suit hanger. 2,449,868, Sept. 21.
- Waldorf Paper Products Company, assignee: *See—*Dunning, Robert M.
- Guyer, Reynolds.
- Guyer, Reynolds, and Ronning.
- Waldron, Gerald B., assignee, et al.: *See—*Linstrom, Floyd T.
- Waldron, Harold E.: *See—*Lotts, Delbert L., Bucy, and Waldron.
- Waldron, John W., Muncie, Ind., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of heterocyclic nitrogen compounds. 2,454,019, Nov. 16.

- Wales, George F., Kenmore, N. Y. Golf cup. 2,457,759, Dec. 28.
- Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Combined dryer and automatic washer. 2,434,476, Jan. 13.
- Wales, Nathaniel B., assignor, by mesne assignments, to Industrial Patent Corporation, New York, N. Y. Self-opening container. 2,449,186, Sept. 14.
- Wales, Nathaniel B., Jr., Morristown, N. J. Gaseous discharge device. 2,443,407, July 15.
- Walkabout Company, The, assignee: *See*—Ames, Butler.
- Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Electrical regulating apparatus. 2,442,737, June 1.
- Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Voltage regulating transformer. 2,444,715, July 6.
- Walker, Brooks, Arlington, Va. Speed and odometer indicating device. 2,449,155, Sept. 14.
- Walker, Brooks, Piedmont, Calif. Silencer for firearms. 2,449,571, Sept. 21.
- Walker, Brooks, Piedmont, Calif. Range adapter for mortars. 2,451,524, Oct. 19.
- Walker, Brooks, Piedmont, Calif., and H. M. Morse, Princeton, N. J. Clearing mine fields. 2,433,875, Jan. 6.
- Walker, David S.: *See*—Tandler, William S., and Walker.
- Walker, Earl C., Altadena, Calif. Filter. 2,452,407, Oct. 26.
- Walker, Elwood C., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Electric strain gage. 2,438,589, Mar. 30.
- Walker, Howard, Baltimore County, Md., assignor to Bendix Aviation Corporation, New York, N. Y. High-frequency coil. 2,439,277, Apr. 6.
- Walker, Isaac F., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Communiting impure DDT. 2,449,028, Sept. 7.
- Walker, James D., Aurora, Ill., assignor to The American Well Works. Water treating apparatus. 2,439,764, Apr. 13.
- Walker, Joseph B., Hollywood, Calif. Photoelectric range finder. 2,444,235, June 29.
- Walker, Joseph F.: *See*—Bair, Robert R., Benner, and Walker.
- Walker, Joseph F., Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paraformaldehyde compositions. 2,456,161, Dec. 14.
- Walker, Joseph F., Westfield, N. J., and T. E. Londergan, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Supported metal acetylide catalyst. 2,439,765, Apr. 13.
- Walker, Kenneth E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluids. 2,451,999, Oct. 19.
- Walker, Kenneth E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 2,455,961, Dec. 14.
- Walker Manufacturing Company of Wisconsin, assignee: *See*—Dearsley, Irwin E.
- Haumerson, Fred C.
- Powers, Walter H.
- Walker, Marvin A., New Madrid, Mo. Cotton picker's sack. 2,445,650, July 20.
- Walker, O. S., Co., Inc., assignee: *See*—Briggs, Charles D.
- Carson, George J.
- Walker, Ralph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire construction. 2,445,725, July 20.
- Walker, Robert M., Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical circuit. 2,439,324, Apr. 6.
- Walker, Robert O., Hartsdale, N. Y. Forming screens for the reception of projected images. 2,448,560, Sept. 7.
- Walker, Scott W.: *See*—Michael, Vesta F., and Walker.
- Walker, Stanley W., Workington, assignor of one-half to A. Macleochlan, Wolverhampton, England. Moving floor for vehicles. 2,447,220, Aug. 17.
- Walker, William L., Athens, Ga. Sling shot. 2,443,408, June 15.
- Walker, William, & Sons, Limited, assignee: *See*—Alexander, James R., Burton, and Hausmann.
- Walker, William, and Sons Limited, assignee: *See*—Alexander, James R., Burton, and Hausmann.
- Walkowiak, Edward L., Saginaw, Mich. Trailer ball bolt guard. 2,446,347, Aug. 3.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical harness tester circuit. 2,437,772, Mar. 16.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Transformer spark plug. 2,441,047, May 4.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Suppressor for high-frequency ignition systems. 2,443,060, June 8.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Mechanical flashlight. 2,447,296, Aug. 17.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical transformer. 2,455,960, Dec. 14.
- Wall, James R.: *See*—Newsome, James W., Heiser, and Wall.
- Wall, James R., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Removal of dissolved silica from alkali metal aluminate solutions. 2,442,226, May 25.
- Wall, Marion P., Lookout Mountain, Tenn., assignor to Combustion Engineering Company, Inc., New York, N. Y. Screw-threaded pivoted closure. 2,435,913, Feb. 10.
- Wall, Monroe E., Oreland, and E. G. Kelley, Whitmarsh, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Purifying carotene contaminated with chlorophyll and xanthophyll. 2,446,116, July 27.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Vibratory armature electromagnetic motor. 2,451,789, Oct. 19.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Liquid level indicator. 2,455,200, Nov. 30.
- Wallace, Columbus C., Fort Henry, Tenn. Vehicle spring supporter. 2,446,395, Aug. 3.
- Wallace, Daisy T.: *See*—Wallace, Edward E.
- Wallace, De Loss D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Filter element. 2,454,982, Nov. 30.
- Wallace, Edward E., Cleveland Heights, Ohio, deceased; D. T. Wallace, administratrix. Retractable landing gear for aircraft. 2,448,064, Aug. 31.
- Wallace, Frank C., North Hollywood, assignor to H. H. Helbush, Los Angeles, Calif. Sheet metal clamp. 2,439,531, Apr. 13.
- Wallace, Frank C., North Hollywood, and R. E. Foster, Glendale, assignors to Monogram Manufacturing Company, Los Angeles, Calif. Jet shaft seal. 2,440,032, Apr. 20.
- Wallace, Fred C.: *See*—Libby, Lester L., and Wallace.
- Wallace, Fred C., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electric motor synchronizing system. 2,444,480, July 6.
- Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Electrosurgical resecting instrument. 2,442,966, June 8.
- Wallace, Harold E., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo. Electrode protector for welding machines. 2,434,025, Jan. 6.
- Wallace, James M.: *See*—Rawlins, Herbert L., and Wallace.
- Wallace, James M., North Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,449,867, Sept. 21.
- Wallace, James M., Braddock, H. L. Rawlins, Pittsburgh, and J. M. Cumming and W. S. Aspey, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,442,477, June 1.
- Wallace, James M., Jr.: *See*—Cox, Fred W., and Wallace.
- Wallace, John F., University Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorber. 2,440,353, Apr. 27.
- Wallace, John G., Toronto, Ontario, Canada. Tilt table. 2,445,048, July 13.
- Wallace, John H., San Marino, and A. J. Smith, Los Angeles, Calif., assignors, by mesne assignments, to Engineering Controls, Inc. Automatic transfer panel. 2,442,388, June 1.
- Wallace, John J., assignor to Hepinstall Steel Works, Inc., New Orleans, La. Accommodation ladder for ships. 2,448,335, Aug. 31.
- Wallace Joseph N., Westville, Conn. Wooden tumbling barrel. 2,443,283, July 15.
- Wallace, Milton A., Mystic, Conn. Boat. 2,446,860, Aug. 10.
- Wallace, Robert M., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Method and apparatus for making finned tubing. 2,442,446, June 1.
- Wallace, Russell B., Plymouth, Mich. Fuel injecting pump. 2,439,498, Apr. 13.
- Wallace & Tiernan Products, Inc., assignee: *See*—Kirwan, John O.
- Marks, Henry C., and Strandkov.
- Wallace, Charles F.
- Wallace, Walter E., assignor to Bell and Wallace Manufacturing Corporation, Richmond, Ind. Casket construction. 2,437,141, Mar. 2.
- Wallace, William M., assignor to W. A. Robinson, Lubbock, Tex. Comb-type cotton harvester. 2,445,162, July 13.
- Wallach, Irving D., Port Washington, assignor to Associated Development and Research Corporation, New York, N. Y. Toy gun assembly. 2,445,812, July 27.
- Wallach, Irving D., Port Washington, assignor to Associated Development and Research Corporation, New York, N. Y. Animated target. 2,445,844, July 27.

- Wallach, Robert S., Madison, N. J., assignor to Associated Development and Research Corporation, New York, N. Y. Diaphragm puncturing valve structure. 2,450,461, Oct. 5.
- Waldov, Gustav A., Marlboro, N. J. Poultry food. 2,451,134, Oct. 12.
- Walle, Ludwig S.: See—
Traver, Oliver C., and Walle.
- Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Time element electromagnetic device. 2,457,617, Dec. 28.
- Waller, George R., and H. R. Trausneck, assignors to Anemostat Corporation of America, New York, N. Y. Nozzle for directing heated air to windshields. 2,434,340, Jan. 13.
- Wallenberg, Victor H., Stockholm, Sweden. Sub-caliber assembly for firearms. 2,452,510, Oct. 26.
- Waller, Coy W., and J. H. Boothe, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing pyrimidine compounds. 2,442,867, June 8.
- Waller, Donald D., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Air duct system for aircraft. 2,434,752, Jan. 20.
- Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, Long Island, N. Y. Method and apparatus for projecting motion pictures. 2,438,878, Mar. 30.
- Waller, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Apparatus for projecting motion pictures. 2,438,137, Mar. 23.
- Waller, Fred, Huntington, N. Y., W. R. Dresser, Long Hill, Conn., and R. B. Swain, Huntington, assignors to The Vitarama Corporation, Long Island City, N. Y. Gunnery training apparatus. 2,445,982, July 27.
- Waller, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Electrically illuminated display apparatus. 2,454,238, Nov. 16.
- Wallerstein Company, Inc., assignee: See—
Wallerstein, James S., and Alba.
- Wallerstein, James S., and R. T. Alba, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Recovery of enzymes from aqueous solutions and product obtained thereby. 2,452,000, Oct. 19.
- Walley, Omar C.: See—
Austin, Bascum O., and Walley.
- Walley, Omar C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reversible single-phase motor. 2,447,675, Aug. 24.
- Walley, Omar C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic control device. 2,457,017, Dec. 21.
- Wallgren, Johan V., and D. V. L. Lindström, Stockholm, Sweden. Temporarily repairing electric cables damaged by moisture. 2,439,592, Apr. 13.
- Wallich, Maurice G. L., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Paper Strap, Inc., Portland, Oreg. Abrasive and polishing tape. 2,442,107, May 25.
- Wallin, Fred E., assignor to National Slug Rejectors, Inc., St. Louis, Mo. Clamping apparatus. 2,454,681, Nov. 23.
- Wallin, Rolf: See—
Wagh, John A., and Wallin.
- Walling, Cheves, Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processes of making organic phosphines. 2,437,795, Mar. 16.
- Walling, Cheves, Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making organic phosphorus halides. 2,437,796, Mar. 16.
- Walling, Cheves, Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New metal salts of organic phosphines and making the same. 2,437,797, Mar. 16.
- Walling, Cheves, Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New secondary organic phosphorus halides and making the same. 2,437,798, Mar. 16.
- Walling, Cheves T., Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing organic sulfides. 2,454,108, Nov. 16.
- Wallingford, Vernon H., Ferguson, and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Metallation of beta-keto esters. 2,438,241, Mar. 23.
- Wallingford, Vernon H., Ferguson, and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Metallation of cyano acetic acid compounds. 2,440,421, Apr. 27.
- Wallingford, Vernon H., Ferguson, and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,454,360, Nov. 23.
- Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, Westminster, London, England. Air-frame structure. 2,455,838, Dec. 7.
- Wallis, John S., Darien, and J. W. Throckmorton, Wilton, Conn., assignors to Petro-Chem Process Company, Incorporated. Furnace baffle. 2,455,201, Nov. 30.
- Wallis, Lionel S., Knowle, England. Spring structure for mattress, cushions, or the like. 2,445,375, July 20.
- Wallis Tin Stamping Company Limited, The, assignee: See—
Williams, Arthur J., and Dyson.
- Wallis, Vernon, East Port Chester, Conn. Glove. 2,443,938, June 22.
- Walliser, Robert E., assignor, by mesne assignments, to Libertyville Textiles, Inc., Libertyville, Ill. Loom. 2,448,929, Sept. 7.
- Wallman, Henry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Stagger tuned amplifier. 2,451,893, Oct. 19.
- Walls, Charles O., Upper Darby, Pa. Toy movie. 2,441,607, May 18.
- Walls, Leslie P., Teddington, assignor to The Imperial Trust for the Encouragement of Scientific and Industrial Research, Westminster, England. Phenanthridine derivatives. 2,437,869, Mar. 16.
- Walls, Leslie P., Teddington, assignor to The Imperial Trust for the Encouragement of Scientific and Industrial Research, Westminster, England. Phenanthridinium compounds and making them. 2,452,001, Oct. 19.
- Waloff, Dmitri: See—
Adams, Albert E., and Waloff.
- Walper, Curry O., Kitchener, Ontario, Canada. Antisplash construction for footwear. 2,452,028, Oct. 19.
- Walper, Curry O., Kitchener, Ontario, Canada. Antisplash heel. 2,452,883, Nov. 2.
- Walsh, Edwin P., assignee: See—
Way, Stewart.
- Walsh, James A., Jr., West Haven, Conn. Producing curing bags for tire casings. 2,444,177, June 29.
- Walsh, James F., Holland, Mich., D. M. Levitt, Great Neck, N. Y., and A. H. Goodman, Holland, Mich., assignors to Doughnut Corporation of America, New York, N. Y. Conversion of wheat starch. 2,442,789, June 8.
- Walsh, James M., Los Angeles, Calif. Necktie accessory. 2,456,848, Dec. 21.
- Walsh, John J., St. Albans, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Elastic covered form block for metal stretching presses. 2,444,123, June 29.
- Walsh, Philip J., assignor to Agency Electric Co., San Francisco, Calif. Rectifier system. 2,435,062, Jan. 27.
- Walsh, Philip J., San Francisco, Calif. Alternating current system. 2,445,897, July 27.
- Walsh, Philip J., San Francisco, Calif. Oscillator system. 2,456,802, Dec. 21.
- Walsh, Ralph, assignee: See—
Martin, Earnest E.
- Walsh, Robert H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of chloroprene elastomers in the presence of dinitrosobenzene and catechol. 2,444,546, July 6.
- Walsh, William E.: See—
Ardussi, Wallace F., and Walsh.
- Walston, Verne E., Pataskala, Ohio. Emergency rain garment. 2,444,761, July 6.
- Waltamath, Raymond E., Lodi, Calif. Fish lure and line retriever. 2,443,061, June 8.
- Walter, Derek O.: See—
Espley, Dennis C., and Walter.
- Walter, George L., Los Angeles, Calif. Neon light. 2,448,937, Sept. 7.
- Walter, Harold J., Uxbridge, Mass., and P. R. Rose, East Orange, N. J., assignors to Uxbridge Worsted Co., Inc., Uxbridge, Mass. Apparatus for drying cloth with air. 2,440,648, Apr. 27.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 3,5-diamino-4-hydro-thiotriazine-1-dioxide resins. 2,449,520, Sept. 14.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminotriazine and derivatives. 2,454,261, Nov. 16.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Diamino thiazine derivatives. 2,454,262, Nov. 16.
- Walter, Henry A., Longmeadow, Mass., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Urea-formaldehyde composition. 2,456,095, Dec. 14.
- Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Defibering lignocellulose while subjected to steam and a digestive chemical. 2,454,532, Nov. 23.
- Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of fibrous products deriving from lignocellulose. 2,454,533, Nov. 23.
- Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Defibering lignocellulose while subjected to steam and alkali-metal hydroxide. 2,454,534, Nov. 23.
- Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Planer. 2,448,200, Aug. 31.
- Walter, Leo N., Oak Glenn, Ill. Power excavating apparatus. 2,437,572, Mar. 9.
- Walter, Leo N., Oak Glenn, Ill. Heater construction. 2,437,573, Mar. 9.
- Walter, Zachary T., Los Angeles, Calif. Making a fire resistant laminated fabric. 2,455,454, Dec. 7.
- Walters, Daniel W., West Los Angeles, assignor to J. D. Buchanan, Burbank, Calif. Electrical plug and socket. 2,434,026, Jan. 6.
- Walters, Frank J.: See—
Nelson, Homer B., and Walters.
- Walters, Frederick E., Chicago, Ill. Soldering iron. 2,438,525, Mar. 30.

- Walters, George A., Nemacolin, Pa. Trolley line clamp. 2,448,333, Aug. 31.
- Walters, George C., Rocky River, Ohio. Projecting apparatus. 2,449,187, Sept. 14.
- Walters, Gustav, Middletown, Conn. Belt splice. 2,441,460, May 11.
- Walters, Leonard J.: *See*—
Kraeff, Herman L., and Walters.
- Walters, Russell W., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Indicator for play of gyro rotors in frames. 2,439,552, Apr. 13.
- Walters, Thomas A., assignor to American Blower Corporation, Detroit, Mich. Fan having auxiliary cutoff. 2,452,274, Oct. 26.
- Walther, Paul H., assignor to Carter Carburetor Corporation, St. Louis, Mo. Grinding machine. 2,436,535, Feb. 24.
- Walton, Adolphus F., Washington, D. C. Cigarette holder and extinguisher. 2,440,882, May 4.
- Walton, Ernest R., Seattle, Wash. Finned electric air heater. 2,455,839, Dec. 7.
- Walton, George M., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Liquid filter element. 2,444,147, June 29.
- Walton, Robert O., assignor to Merla Tool Corporation, Dallas, Tex. Well flow device. 2,446,680, Aug. 10.
- Walund, Ernest E. and M. E., Eureka, Calif. Wooden lath processing apparatus. 2,446,147, July 27.
- Walund, Melvin E.: *See*—
Walund, Ernest E. and M. E.
- Walworth, Clarence B., Jr., West Rocky Hill, Conn. Shaded pole motor. 2,445,813, July 27.
- Walworth, Harvey A., Muskegon, Mich. Electric lamp attachment for caps. 2,448,240, Aug. 31.
- Walworth Patents Inc., assignee: *See*—
Ost, William R.
- Walz, Agnes L., assignee, et al.: *See*—
Freund, Clarence H.
- Walz, Claude W., Avondale, Colo., and C. T. Rasmussen, Moline, and R. D. Griff, Rock Island, assignor to Deere & Company, Moline, Ill. Beet harvester. 2,438,627, Mar. 30.
- Walz, John W., assignee, et al.: *See*—
Freund, Clarence H.
- Wamsley, William G., Detroit, Mich. Electrical control system. 2,457,333, Dec. 28.
- Wandel, Bronislaw, Boston, Mass. Massage apparatus. 2,443,845, June 22.
- Wanden, Oscar A.: *See*—
Staeb, Alvin W., and Wanden.
- Wannamaker, William H., Jr., Flourtown, assignor to The Brown Instrument Company, Philadelphia, Pa. Electric proportioning control apparatus with reset. 2,446,163, July 27.
- Wannamaker, William H., Jr., Flourtown, assignor to The Brown Instrument Company, Philadelphia, Pa. Analyzing apparatus. 2,453,053, Nov. 2.
- Wantland, Henry B.: *See*—
Roff, Edmund L., and Wantland.
- Wantling, Joseph W., Allwood, N. J., assignor, by mesne assignments, to Hewitt-Robins Incorporated. Dewatering screen. 2,457,018, Dec. 21.
- Waples, Robert M.: *See*—
Thorn, Frederick C., and Waples.
- War, the United States of America, as represented by the Secretary of, assignee: *See*—
Africano, Alfred.
Aiken, Elmer W.
Appleton, Robert A., Hickman, and Bjork.
Bell, Persa R., Jr.
Berger, France B., and Higinbotham.
Bettler, Philip, and Doolittle.
Bohlman, Walter S., and Bruce.
Bowers, Jack L.
Brady, James M.
Brandt, Kristian H.
Brown, Paul F.
Buchwalter, Louise, and Harvey.
Byrne, John F.
Cary, Raymond J., Jr.
Clapp, Roger E.
Clark, James L.
Cohn, Seymour B.
Cooper, Eli G.
Crost, Munsey E.
Daniel, Arthur F.
Davis, George B., Jr.
Diegs, Lemuel W.
Dorne, Arthur.
Eisenstein, Albert S., and Germeshausen.
Fawcett, Cecil C., and Hart.
Flx, Eugene J.
Forbes, Gordon D.
Fountain, Claude R.
Fox, Benjamin.
Fry, Glenn A.
Garand, John C.
Gillette, Frank N., and Haworth.
Gordon, Sheldon.
Gossard, Waldo D.
Guarrera, John J.
Hale, George C.
Hart, John J.
War, the United States of America, as represented by the Secretary of, assignee: *See*—Continued.
Haworth, Leland J.
Hervey, Laurence R. B., and Whitaker.
Hickman, Clarence N.
Higinbotham, William A.
Hollywood, John M.
Howatt, Glenn N.
Hughes, Walter L., Jr.
Irby, James W.
Jacobs, Gordon B., and Steigerwalt.
Jago, John L.
Johnson, Frank H.
Keary, Thomas J.
Kemble, Herbert C.
Kennedy, John L., Mead, and Wellman.
Kharasch, Morris S.
Kharasch, Morris S., and Weinhouse.
Kitzerow, Donald J.
Kraus, John D.
Kraus, John D., and Mizen.
Kusch, Polykarp.
Lanzalotti, Samuel J., and Skobel.
Lester, Horace H.
Lindsay, Harold W.
Lisman, Henry, and Stodola.
MacNichol, Edward F., Jr.
Matuszewski, Michael.
McBride, Edward T.
Meagher, Ralph E.
Meier, Allen S.
Meyers, Donald L., and Kester.
Michaelson, Marion L.
Miller, Edward E.
Miller, George A., Jr.
Miller, George E., and Seaton.
Millikan, Glenn A.
Mitchell, Jay G.
Moncrief, John L.
Moore, Frederick J.
Moore, James R.
Morgan, Agnes F., and Watts.
Morgan, Russell H., and Hodges.
Musser, Clarence W.
Noodelman, Samuel.
Nordsieck, Arnold T.
O'Neill, Harry T.
Patton, Benjamin B.
Pease, Marshall C.
Porter, Henry H.
Prentiss, Spencer S.
Rambo, William R.
Rauch, Alexander.
Raymond, Richard C.
Riblett, Henry J.
Rigby, George W.
Ringer, Abraham.
Risser, Jacob R., and Wlodkowski.
Russell, Frederick A.
Sackville, William.
Senn, Jurg A.
Shive, Scott L.
Signaigo, Frank K.
Simpson, Clarence E.
Skinner, Leslie A.
Skobel, Max.
Skow, Norman A., Seiler, Oriani, and Whitaker.
Sonkin, Simon.
Sreb, Jules H.
Starr, Merle A.
Storck, Edward A.
Stout, Perry R., and Tull.
Stuart, Joseph, II.
Taylor, Albert C.
Teetsell, Roy J.
Trimble, Russell F.
Uhl, Edward G.
Uhl, Edward G., and Skinner.
Valley, George E., Jr.
Van den Akker, Johannes A.
Vezzosi, Ferdinand D.
Vick, Fred A.
Walker, Robert M.
Wallman, Henry.
Weiss, Paul A.
Wellington, Cary L.
Wiler, Edward M.
Williams, John W., and Deutsch.
Windsor, Robert B.
Witherby, Thomas H., and Farnsworth.
Wolf, James M.
Woodberry, David L., Howerton, and Dunbar.
Yevick, George J.
- Waranch, Theodore, assignor to The Comfy Manufacturing Company, Baltimore, Md. Cushion cover. 2,446,396, Aug. 3.
- Ward, Alger L., Bala-Cynwyd, Pa., assignor to The United Gas Improvement Company. Treating organic fabric. 2,441,523, May 11.
- Ward, Altie C., Pacific Palisades, Calif. Portable electric cleaner and scraping tool. 2,452,002, Oct. 19.
- Ward, Blenkinsop & Company Limited, assignee: *See*—
Dickenson, Haydn G.

- Ward, Clayton N., Madison, Wis. Method and means for protecting shore and other structures against damage by ice. 2,449,963, Sept. 21.
- Ward, Delbert J.: *See—*
Rechtin, George D., Ward, and Watson.
- Ward, Frank A., Baltimore, Md. Time switch. 2,451,135, Oct. 12.
- Ward, George C.: *See—*
Seymour, George W., Ward, and Hunter.
- Ward, George C., and Victor S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Fluorescent-dyed cellulose acetate fabric. 2,433,939, Jan. 6.
- Ward, Herbert H., Grange-over-Sands, England. Treatment of flour for controlling its strength. 2,450,260, Sept. 28.
- Ward, Hugh J.: *See—*
Bowsher, Edward A. H., D'Assis-Fonseca, and Ward.
- McWhirter, Eric M. S., and Ward.
- Ward, Leonard, Electric Company, assignee: *See—*
Cohen, Arthur M.
- Ward, Robert S., assignor to Fosgood Corporation, Leominster, Mass. Locking device. 2,456,349, Dec. 14.
- Ward, Vincent S., and G. K. Hurlbut, assignors, by mesne assignments, to B M C Manufacturing Corporation, Binghamton, N. Y. Automobile trouble light. 2,453,606, Nov. 9.
- Wardle, Meredith C., Buffalo, and D. J. Howard, Akron, N. Y., assignors to Curtiss-Wright Corporation. Center of gravity location indicator. 2,453,607, Nov. 9.
- Ware, Cecil, Houston, Tex. Packing. 2,455,202, Nov. 30.
- Ware, Charles M., Salt Lake City, Utah. Scales. 2,438,653, Mar. 30.
- Ware, Kenneth R., Mound Valley, Kans. Power operated tractor mounted tree felling saw. 2,457,511, Dec. 28.
- Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Dual drive mechanism. 2,450,214, Sept. 28.
- Wareing, Robert J., Birmingham, England, assignor to Imperial Chemical Industries Limited. Apparatus for cooling or attapering oil or other liquid. 2,447,970, Aug. 24.
- Warga, Robert V., assignee: *See—*
Carter, Ben.
- Wargin, Edward F., San Anselmo, Calif., and J. R. Harkness, Schenectady, N. Y., assignors to General Electric Company. Breakerless magneto. 2,446,446, Aug. 3.
- Wargin, Edward F., San Anselmo, Calif., J. R. Harkness and D. C. Peroutky, Schenectady, N. Y., assignors to General Electric Company. Ignition system. 2,456,475, Dec. 14.
- Waring, Arthur, Birmingham, England. Packing or sealing ring. 2,438,794, Mar. 30.
- Waring, Dana B., assignor to United Aircraft Corporation, East Hartford, Conn. Ignition control. 2,455,344, Nov. 30.
- Warkentine, Peter D.: *See—*
Reed, Walter R., Kersey, and Warkentine.
- Warlick, Sam J., Kiowa, Kans. Ball cleaning and polishing device. 2,438,773, Mar. 30.
- Warmoltz, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,447,781, Aug. 24.
- Warner Aircraft Corporation, The, assignee: *See—*
Majneri, Ludwig A.
- Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,447,881, Aug. 24.
- Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,447,882, Aug. 24.
- Warner, Arthur J., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Testing polystyrene. 2,436,841, Mar. 2.
- Warner, Arthur J., South Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. High-frequency cable. 2,438,956, Apr. 6.
- Warner, Arthur J., South Orange, and Myron Bakst, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Insulating material containing cyclized rubber, a polyolefine, and polystyrene. 2,436,842, Mar. 2.
- Warner, Arthur J., South Orange, and T. H. Talbot, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Dimerization of alpha-alkyl para-alkyl styrenes. 2,450,027, Sept. 28.
- Warner, Arthur J., South Orange, N. J., and M. Bakst, Alexandria, Va., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Insulating material containing polystyrene and plasticizer and making. 2,454,851, Nov. 30.
- Warner, Arthur R., London, N. W. 8, England. Illuminated sign. 2,437,009, Mar. 2.
- Warner Bros. Pictures, Inc., assignee: *See—*
Tondreau, Albert W.
- Warner, Clifford H., assignor to Olin Industries, Inc., New Haven, Conn. Box magazine for firearms. 2,441,735, May 18.
- Warner, Clyde J., McKeesport, Pa. Collapsible lunch or shopping bag. 2,457,422, Dec. 28.
- Warner, David M., Dayton, Ohio, deceased; G. L. Warner executrix. Autographic recording torque testing machine. 2,441,608, May 18.
- Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Centrifugal speed governor. 2,446,861, Aug. 10.
- Warner, Douglas K., Sarasota, Fla. Jet propulsion system for aircraft. 2,444,318, June 29.
- Warner, Douglas K., Sarasota, Fla. Fan blades in opening of rotary valve in two-cycle supercharged engines. 2,454,852, Nov. 30.
- Warner Electric Brake Manufacturing Company, assignee: *See—*
Born, Frank G.
Oetzel, John G.
- Warner, Ernest R., Alexandria, Va., assignor to United States of America as represented by the Secretary of Interior. Identifying cross-wires in optical instrument reticules by the use of polarized light. 2,442,790, June 8.
- Warner, Garnett L., executrix: *See—*
Warner, David M.
- Warner, Gilbert S., Palma Sola, assignor to W. Hegener, Sarasota, Fla. Animal trap. 2,447,147, Aug. 17.
- Warner-Jones, K., and Company Limited, assignee: *See—*
Jones, Kenneth W.
- Warner, Lester C.: *See—*
Holschuh, Carl G., and Warner.
- Warner, Mary W., Fairfield, Conn. Breast shield. 2,454,535, Nov. 23.
- Warner, Samuel W.: *See—*
Pity, Albert F., Butterfield, and Warner.
- Warner, Samuel W., assignor of one-half to H. Bernstein and one-half to J. Sodowich, Newark, N. J. Soldering or welding implement. 2,449,521, Sept. 14.
- Warner & Swasey Company, The: *See—*
Curtis, Myron S.
- Warner & Swasey Company, The, assignee: *See—*
Allen, Joseph F.
Bogart, Fred H.
Darash, Nicholas P.
- Warnick, Alan, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Phototube control-temperature indicating apparatus for furnaces. 2,457,289, Dec. 28.
- Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Telephone headbands. 2,434,251, Jan. 13.
- Warp Compressing Machine Company, assignee: *See—*
Javery, Frank B.
- Warr, Harold G.: *See—*
Preston, Frederick A., and Warr.
- Warren, Charles W., Burbank, Calif. Magnetic retainer. 2,457,421, Dec. 28.
- Warren, Doyle, Monrovia, assignor to Chiksan Tool Company, Brea, Calif. Swivel type coaxial connector. 2,452,168, Oct. 26.
- Warren Featherbone Co., assignee: *See—*
Kraft, Marie J.
Kraft, Marie J., and Durey.
- Warren, Glenn B., and A. R. Smith, Schenectady, N. Y., assignors to General Electric Company. High and low pressure turbine rotor cooling arrangement. 2,451,261, Oct. 12.
- Warren, Glenn E.: *See—*
Lord, Kenneth M., and Warren.
- Warren, Henry E., Ashland, Mass. Speed governor. 2,454,902, Nov. 30.
- Warren, James W., Lynbrook, N. Y., assignor to American Machine and Foundry Company. Cowl fastener. 2,434,876, Jan. 20.
- Warren, John T., Long Beach, Calif. Dog harness. 2,437,628, Mar. 9.
- Warren Plastics Corporation, assignee: *See—*
Myers, Richard A.
Myers, Stuart J.
- Warren Webster & Company, assignee: *See—*
Tolan, James E.
- Warren, William B.: *See—*
Fisher, Aiken W., and Warren.
- Warren, William V., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans. Shovel loader attachment for tractors. 2,453,649, Nov. 9.
- Warrick, Earl L.: *See—*
McGregor, Rob R.
McGregor, R. R., and Warrick.
- Warring, Alfred, Detroit, Mich., assignor, by mesne assignments, of one-third to said Warring, one-third to N. A. Grams, and one-third to W. Nononen. Pipe coupling and fastening device. 2,447,221, Aug. 17.
- Warrington, John P., Bellflower, Calif. Spring heel adapter. 2,444,865, July 6.
- Warsher, Adolph, Maywood, assignor to M. M. Bilofsky, Newark, N. J. Heat responsive switch. 2,452,511, Oct. 26.
- Wartell, Fred, Bronx, N. Y. Spinning top. 2,446,447, Aug. 3.
- Wartes, Lloyd L., Opportunity, Wash. Heat storing hot-air circulating apparatus. 2,438,834, Mar. 30.
- Warth, Albin H., and P. Grabus, Jr., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,441,173, May 11.
- Wartian, Avagim, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door mounting. 2,445,131, July 13.
- Wartian, Avagim, Detroit, Mich. Lock. 2,445,285, July 13.

- Warwick, James C.: *See*—
Spencer, James A., and Warwick.
- Warwick, James C., Beechurst, N. Y., assignor to Radio Corporation of America. Coupling device. 2,444,148, June 29.
- Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Graderblade mounting. 2,452,408, Oct. 26.
- Washburn Company, The, assignee: *See*—
Aleks, Vytant.
- Washburn, Frank, La Fayette, Ind., assignor of one-half to W. O. Mayne, Battle Creek, Mich. Surface covering material. 2,454,239, Nov. 16.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,444,968, July 13.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,450,462, Oct. 5.
- Waseige, Charles R., Saint-Etienne, (Loire), France; vested in the Attorney General of the United States. Multidrive gear box for accessories on board aircraft. 2,454,293, Nov. 23.
- Washington, George, Jr., Morristown, N. J. Suction gun. 2,451,593, Oct. 19.
- Washington Institute of Technology, Inc., assignee: *See*—
Pear, Charles B., Jr.
- Washington, Lemuel H., Portsmouth, Va. Headlight and supporting means therefor. 2,438,196, Mar. 23.
- Wasinger, Leonard J., Wakeeney, Kans. Combined buck-rake and stacker. 2,434,376, Jan. 13.
- Waskiewicz, Frank, assignee, et al.: *See*—
Dybiec, Michael.
- Wasko, Bernard, Philadelphia, and J. Kistinger, assignors to Voland and Sons, Inc., New Rochelle, N. Y. Magnetic dampener for measuring instruments. 2,448,477, Aug. 31.
- Wasmandorff, Carlton, Glendale, Calif. Radio receiver noise reducing circuit. 2,446,565, Aug. 10.
- Wass, George E.: *See*—
Wass, John H., W. H., and G. E.
- Wass, John H., W. H., and G. E., Essex, Ontario, Canada. Distributor timing device. 2,441,782, May 18.
- Wass, William H.: *See*—
Wass, John H., W. H., and G. E.
- Wasserman, David: *See*—
Keil, Harry, Dawson, and Wasserman.
- Wasserman, David, New York, N. Y. Game. 2,452,341, Oct. 26.
- Wasson, Jones I., Union, and C. J. Wilson, Westfield, N. J., assignors to Standard Oil Development Company. Oil composition. 2,438,468, Mar. 23.
- Waterbury, Carl C., assignor to Diaphragm & Chemical Company, Chicago, Ill. Diaphragm inserter and remover. 2,442,066, May 25.
- Waterbury, Carl C., assignor to Diaphragm & Chemical Company, Chicago, Ill. Mold. 2,456,162, Dec. 14.
- Waterman, Charles H., South Portland, Maine, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,443,647, June 22.
- Waterbury Farrel Foundry and Machine Company, The, assignee: *See*—
Wilcox, Richard L.
- Waterman, Arthur C., Shreveport, La. Refuse incinerator with dumping grate. 2,453,289, Nov. 9.
- Waterman, Charles H., South Portland, Maine, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. System for determining the direction of a source of sound. 2,438,526, Mar. 30.
- Waterman, Herbert C., assignor to Bendix Aviation Corporation, South Bend, Ind. Inverse feed-back motor control. 2,440,130, Apr. 20.
- Waterman, Neil S., Scarsdale, assignor, by mesne assignments, to Tarlen Corporation, White Plains, N. Y. Mascara case. 2,441,857, May 18.
- Waterman, Russell R., Lodi, Calif. Semicompound multiple expansion steam engine. 2,446,031, July 27.
- Waterman, Wendell W., Cranford, and E. O. Ohsol, Rahway, N. J., assignors to Standard Oil Development Company. Coagulation of emulsion polymerizates. 2,455,714, Dec. 7.
- Waterman, William, Chicago, Ill. Automatic cutoff. 2,439,116, Apr. 6.
- Waterman, William, Chicago, Ill. Automatic cutoff. 2,439,117, Apr. 6.
- Waterman, William, Chicago, Ill. Automatic cutoff device. 2,439,118, Apr. 6.
- Waters, Harry F., New York, N. Y. Artificial candle. 2,435,811, Feb. 10.
- Waters, Harry F., New York, N. Y. Liquidproof lined carton and blank for forming the same. 2,436,061, Feb. 17.
- Waters, Harry F., New York, N. Y. Heat sealing method. 2,437,057, Mar. 2.
- Waters, Harry F., New York, N. Y. Collapsible container for air transportation of fluids. 2,437,058, Mar. 2.
- Waters, Harry F., New York, N. Y. Packaging method. 2,438,981, Apr. 6.
- Waters, Harry F., New York, N. Y. Multiple fabrication method and apparatus for liquid-tight envelope bags. 2,444,685, July 6.
- Waters, Harry F., New York, N. Y. Bag and making the same. 2,444,762, July 6.
- Waters, Harry F., New York, N. Y. Crayon holder. 2,454,109, Nov. 16.
- Waters, Jesse E., Pratt, Kans. Highway signal. 2,456,849, Dec. 21.
- Waters, Wade D.: *See*—
Wilson, Golder P., McNair, and Waters.
- Watkin, Harold G., Liverpool, England. Electric welding machine. 2,438,262, Mar. 23.
- Watkin, Richard L., Knoxville, Tenn. Fish lure. 2,441,302, May 11.
- Watkins, Francis S., Avenal, Calif. Pipe hold down clamp. 2,442,833, June 8.
- Watkins, Frederic M.: *See*—
Dawson, Edward, Watkins, and Schuh.
- Watkins, Frederic M., Forest Hills, and C. N. Schuh, Jr., Bellerose, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Limit stop and fire cutoff device for gun turrets. 2,434,654, Jan. 20.
- Watkins, John E., Maywood, Ill. Measuring apparatus responsive to variable conditions. 2,450,772, Oct. 5.
- Watkins, Thomas W., Washington, D. C., assignor to Beauty Research, Incorporated. Hair drier. 2,444,481, July 6.
- Watkins, William B., Norfolk, Va. Adjustable golf club. 2,451,262, Oct. 12.
- Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making nitrogen substituted polyamides. 2,443,486; June 15.
- Watkins, William W., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial yarns and process of producing the same. 2,451,420, Oct. 12.
- Watrous, Floyd L., and G. E. Manis, Huntington, Ind. Thermostatically controlled mixing valve. 2,449,261, Sept. 14.
- Watrous, Ward W., Jr.: *See*—
Zambakian, Irving, and Watrous.
- Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical discharge device and base. 2,445,462, July 20.
- Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device and the manufacture thereof. 2,451,184, Oct. 12.
- Watson, Benjamin W., Trenton, N. J. Artificial rubber from vinyl resin, phenol-aldehyde resin, and plasticizer. 2,437,284, Mar. 9.
- Watson, Charles C., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic reactor. 2,438,242, Mar. 23.
- Watson, Charles C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen meter. 2,456,163, Dec. 14.
- Watson, Claude W.: *See*—
Goldsby, Arthur R., and Watson.
- Watson, Edgar, Towson, assignor to The Nelson Company, Baltimore, Md. Container. 2,434,377, Jan. 13.
- Watson, Ernest A., G. Hill, Coventry, and R. J. Ifeld, Ealing, London, assignors to Joseph Lucas Limited, Birmingham, England. Automatically controlling the supply of liquid fuel to prime mover. 2,450,535, Oct. 5.
- Watson, Frederick W., assignor to Toronto Carpet Manufacturing Co. Limited, Toronto, Ontario, Canada. Carding machine. 2,442,478, June 1.
- Watson, Gavin, Ossining, and W. H. Bruns, Lincolndale, N. Y., and H. E. Galanty, Hillside, N. J., assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 2,452,342, Oct. 26.
- Watson, Glenn W., Detroit, Mich. Electronic steam generator. 2,451,594, Oct. 19.
- Watson, Harold M.: *See*—
Herwald, Seymour W., and Watson.
- Watson, Jack H.: *See*—
Rechten, George D., Ward, and Watson.
- Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,448,334, Aug. 31.
- Watson, Leland A., and P. C. Heijn, assignors to The Maico Company, Incorporated, Minneapolis, Minn. Bone conduction receiver. 2,454,494, Nov. 23.
- Watson, Norman A.: *See*—
Veneklasen, Paul S., and Watson.
- Watson, Norman A., P. S. Veneklasen, R. W. Leonard, and R. S. Gales, Los Angeles, Calif., assignors to the United States of America. Ear defender. 2,437,490, Mar. 9.
- Watson, Paul D., Arlington, Va., assignor to United States of America as represented by the Secretary of Agriculture. Polyacrylic acid resins and process for making them. 2,449,828, Sept. 21.
- Watson, Paul D., Arlington, Va., assignor to The United States of America as represented by the Secretary of Agriculture. Polyacrylic acid resins and making them. 2,453,559, Nov. 9.
- Watson, Roger W., assignor to Standard Oil Company, Chicago, Ill. Sulfurizing terpenes. 2,445,983, July 27.
- Watson, Roger W., assignor to Standard Oil Company, Chicago, Ill. Viscous mineral oil compositions. 2,451,642, Oct. 19.
- Watson-Stillman Co., The, assignee: *See*—
Dinzi, Richard W.

- Watson, Thomas J., New Canaan, Conn., H. S. Beattie, East Orange, and F. L. Fuller, deceased, West Orange, by S. B. Harrison, East Orange, N. J., and J. G. Phillips, New York, executors, assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,438,081, Mar. 16.
- Watson, Thomas J., New Canaan, Conn., and A. L. Sprecker, Freeport, assignors to International Business Machines Corporation, New York, N. Y. Register-controlled time recorder. 2,451,790, Oct. 19.
- Watson, Waldon O.: *See*—
Bloomberg, Daniel J., and Watson.
- Watson, William E.: *See*—
Hopkins, Abner C., Jr., Stephenson, and Watson.
- Watson, William F., Bronx, N. Y. Connector. 2,449,869, Sept. 21.
- Watson, William T., West Vancouver, British Columbia, Canada. Handle operated brake. 2,435,255, Feb. 3.
- Watson-Williams Manufacturing Company, assignee: *See*—
Daboll, Walter F.
- Watt, Andrew K., and A. B. Hays, Lansing, assignors to General Motors Corporation, Detroit, Mich. Feeding mechanism. 2,455,630, Dec. 7.
- Watt, Bob E., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Capacitive angular velocity measuring device. 2,455,345, Nov. 30.
- Watt, Burton L.: *See*—
Embree, Harold K., and Watt.
- Watt, Colin S., Buffalo, N. Y. Bearing. 2,436,274, Feb. 17.
- Watt, Elihu D.: *See*—
Upson, Maxwell M., and Watt.
- Watter, Michael, and E. G. Bruce, assignors to The Budd Company, Philadelphia, Pa. Aircraft. 2,437,574, Mar. 9.
- Watter, Michael, Philadelphia, Pa. Computing device. 2,438,730, Mar. 30.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Making fabricated structures. 2,441,858, May 18.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Indentation-free welding. 2,445,747, July 20.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Method of fabricating airfoils. 2,451,454, Oct. 12.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Aircraft airfoil construction. 2,451,458, Oct. 12.
- Watters, Lloyd R.: *See*—
Schaefer, Frederick, and Watters.
- Watts, Albert E., Jr., Great Neck, and J. R. Parker, Brooklyn, N. Y. Gasoline dispensing system. 2,434,824, Jan. 20.
- Watts, Berl P., Oakland, Calif. Sound device for toy airplanes. 2,436,705, Feb. 24.
- Watts, Betty M.: *See*—
Morgan, Agnes F., and Watts.
- Watts, Cecil L.: *See*—
Prosser, George J., and Watts.
- Watts, Chester B., Jr.: *See*—
Alford, Andrew.
- Watts, Chester B., Jr., East Orange, N. J., and L. Himmel, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Radio antenna. 2,436,843, Mar. 2.
- Watts, Donald E., and J. Vahle, Jr., Schenectady, N. Y., assignors to General Electric Company. High-frequency generating apparatus. 2,446,032, July 27.
- Watts, Garland E., El Cerrito, Calif. Kitchen cabinet. 2,450,702, Oct. 5.
- Waugh Equipment Company, assignee: *See*—
Berman, Samuel.
- Munro, George R., and Pelkan.
- Strong, Elbie C., and Clark.
- Waugh, George P.: *See*—
Thuline, Horace C., Parsons, and Waugh.
- Waugh, John A., and R. Wallin, Charlottesville, Va., assignors to Wauregan Mills, Incorporated, Wauregan, Conn. Device for connecting yarn ends. 2,449,349, Sept. 14.
- Waukesha Motor Company, assignee: *See*—
Fisher, James B.
- Melcher, Lee W.
- Wauregan Mills, Incorporated, assignee: *See*—
Waugh, John A., and Wallin.
- Way, Donald F.: *See*—
Lockwood, George H., and Way.
- Way, Glenn W., Delaware, Ohio. Shovel loader. 2,437,010, Mar. 2.
- Way, Stewart, Churchill Borough, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,448,561, Sept. 7.
- Way, Stewart, Churchill Borough, and E. P. Walsh, Boothwyn, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,448,562, Sept. 7.
- Wayman, Albert J., Youngstown, Ohio. Coupling device. 2,451,421, Oct. 12.
- Wayne, Albert F., assignor to E. R. Wayne, Philadelphia, Pa. Plate forming machine. 2,442,943, June 8.
- Wayne, Anthony, New York, N. Y. Convertible space saving table. 2,440,131, Apr. 20.
- Wayne, Anthony, New York, N. Y. Electric utility connection. 2,441,461, May 11.
- Wayne, Anthony, New York, N. Y. Sanitary protective appliance. 2,448,938, Sept. 7.
- Wayne, Edward R., assignee: *See*—
Wayne, Albert F.
- Wayne, Robert C.: *See*—
Morey, Robert C., and Wayne.
- Wayne, Truman B., Houston, Tex. Treatment of drilling fluids. 2,452,021, Oct. 19.
- Wayo, Stephen J., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Oil compound. 2,440,991, May 4.
- Weakland, Walter L., Rosendale, Mo. Applicator. 2,444,212, June 29.
- Wean, Lincoln E., Philadelphia, Pa., and L. J. McCarty, Merchantville, N. J. Current-regulating plug and socket. 2,449,029, Sept. 7.
- Weathered, Eric C.: *See*—
De Young, William, and Weathered.
- Weatherford, Heiskell, assignee, et al.: *See*—
McPherson, Harry L.
- Weatherford, J. H., assignee: *See*—
Breedlove, Harry B.
- Weatherford, J. H., assignee, et al.: *See*—
McPherson, Harry L.
- Weatherhead Company, The, assignee: *See*—
Bosworth, Frederic M.
- Boyland, Charles H.
- Crawley, Charles H.
- Hufferd, George H.
- Hufferd, George H., and Berli.
- Hufferd, George H., and Lindgren.
- Hunziker, Fred.
- Knaggs, Harold J.
- Prince, Warren V.
- Raybould, Frank J.
- Vandervoort, Lorain.
- Weathers, Carl C., and F. H. McMichael, Wichita, Kans. Pencil sharpener. 2,435,661, Feb. 10.
- Weathers, Leland C., assignor to Vickers, Incorporated, Detroit, Mich. Polyphase induction machine and control. 2,444,077, June 27.
- Weathers, Paul, Haddon Heights, N. J., assignor to H. K. Neuber, Philadelphia, Pa. Oscillator. 2,436,129, Feb. 17.
- Weathers, Paul, Haddon Heights, N. J., assignor to Herbert K. Neuber, Philadelphia, Pa. Oscillator. 2,443,125, June 8.
- Weathers, Warren F., Detroit, Mich. Door operating mechanism. 2,441,092, May 4.
- Weather-Seal, Inc., assignee: *See*—
Steinicke, Norman C.
- Weaver, Allan, Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trouble alarm system. 2,444,078, June 29.
- Weaver, Burr S., Scotia, N. Y., assignor to General Electric Company. Stand-by control system. 2,435,063, Jan. 27.
- Weaver, Carrol H., assignee, et al.: *See*—
Weaver, Harley M.
- Weaver, Edgar R.: *See*—
Kemmer, Paul H., and Weaver.
- Weaver, Elverton W., Cleveland Heights, assignor to Towmotor Corporation, Cleveland, Ohio. Universal joint. 2,451,791, Oct. 19.
- Weaver Engineering Co., assignee: *See*—
PHELPS, Clyde H.
- Weaver, Harley M., McClure, assignor of thirty-three per cent to Carrol H. Weaver, Toledo, and thirty-three per cent to Maynard A. Weaver, Cleveland, Ohio. Mailbox signal. 2,433,940, Jan. 6.
- Weaver, Jerald D., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Turnover record changer. 2,450,402, Sept. 28.
- Weaver, John A., Detroit, Mich. Portable liquid oxygen unit. 2,436,411, Feb. 24.
- Weaver Manufacturing Company, assignee: *See*—
Ross, William A.
- Weaver, Maxwell C., and R. W. Hall, assignors to The Randall Company, Cincinnati, Ohio. Finish material retainer. 2,435,523, Feb. 3.
- Weaver, Maynard A., assignee, et al.: *See*—
Weaver, Harley M.
- Weaver, Paul, Rio Vista, Calif. Lug box lifter. 2,454,110, Nov. 16.
- Weaver, Welcome I., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Dispersing a solid polymerization catalyst in a polymerizable thermosetting resin sirup. 2,456,228, Dec. 14.
- Weavie, Karl D., Saline, assignor of one-half to S. L. Platkowski, Ann Arbor, Mich. Flashlight movie projector. 2,445,651, July 20.
- Webb, Byron H., assignor of one-half to G. M. Harper, Jr., Chicago, Ill. Detachable calendar mechanism for clocks. 2,439,154, Apr. 6.
- Webb, Charles E., New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J. Crib. 2,447,722, Aug. 24.

- Webb, Christopher F., London, S. W. I., England, assignor, by mesne assignments, to General Register Corporation, Long Island City, N. Y. Totalizer counter. 2,451,525, Oct. 19.
- Webb, Donald R., Schenectady, N. Y., assignor to General Electric Company. Power boost control system. 2,451,263, Oct. 12.
- Webb, Ernest C., Cleveland, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Ore. Drier for pneumatic feed coal stokers. 2,441,736, May 18.
- Webb, George A.: *See—*
Corson, Ben B., and Webb.
- Webb, Glenn M., and R. W. Moehl, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of spherical particles. 2,442,884, June 8.
- Webb, Glenn M., and M. A. Smith, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reforming of hydrocarbons. 2,443,285; June 15.
- Webb, James L. A.: *See—*
Corwin, Alphon H., Jackson, and Webb.
- Webb, James S., Demopolis, Ala. Tree-felling saw attachment for tractors. 2,455,840, Dec. 7.
- Webb, John, assignor, by mesne assignments, to R. H. Webb and Associates, Inc., Toledo, Ohio. Magnetic retaining means for can lids and the like. 2,437,234, Mar. 2.
- Webb, John S.: *See—*
Northey, Elmore H., and Webb.
- Webb, R. H., and Associates, Inc., assignee: *See—*
Webb, John.
- Webb, Richard C., La Fayette, assignor to Purdue Research Foundation, West Lafayette, Ind. Square wave generator. 2,440,992, May 4.
- Webb, Wesley L.: *See—*
Sisson, Wayne A., and Webb.
- Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Accelerometer. 2,455,394, Dec. 7.
- Webber, Otis E.: *See—*
Ashe, Edward J., and Webber.
- Weber, Albert, Edgewood, R. I. Slider for separable fasteners. 2,441,048, May 4.
- Weber, Arthur G., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of aminoacetonitrile to ethylene diamine. 2,436,368, Feb. 17.
- Weber, Arthur E., Monee, Ill. Electric fence wire fastener. 2,456,547, Dec. 14.
- Weber, Arthur G., Wilmington, and C. H. Hamblet, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of zinc propionate. 2,452,003, Oct. 19.
- Weber, Bruce T.: *See—*
Bomberger, David C., Lovell, Och, Swartzel, and Weber.
- Weber Dental Manufacturing Co., The, assignee: *See—*
Penniman, Ira B.
- Weber, Earl E., Greene Township, Hamilton County, Ohio. Signal lamp. 2,457,019, Dec. 21.
- Weber, Edward, Winchester, Mass., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dyeing of wool with indigo dyestuffs. 2,450,773, Oct. 5.
- Weber, Edwin L., Venice, Calif. Hose clamp. 2,449,798, Sept. 21.
- Weber, Ernst, Uster, R. Pudelko, Zug, C. Bollmann, Zurich-Albisrieden, and H. Wermeille, Zug, assignors to Landis & Gyr, A. C., Zug, Switzerland. Small motor, particularly synchronous fractional horsepower motor. 2,439,193, Apr. 6.
- Weber, Frederick C., Eastchester, N. Y. Bread making method and ingredients. 2,434,087, Jan. 6.
- Weber, John, Beverly Hills, Calif., by decree of distribution assignor to V. Weber. Screw-operated vise closed by handle-operated cam. 2,443,670, June 22.
- Weber, Karl H., Lancaster, and P. O. Powers, Manheim Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Dimethyl styrene polymerization products and their preparation. 2,450,028, Sept. 28.
- Weber-Knapp Company, assignee: *See—*
Lundber, John E.
- Weber, Leonard J., United States Army, Jersey City, N. J. Safety clutch. 2,443,213; June 15.
- Weber, Louis E., Worcester, Mass. Card dealing device. 2,435,662, Feb. 10.
- Weber, Louis J., Borger, Tex., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,443,337; June 15.
- Weber Shoe Company, assignee: *See—*
Vlasak, Chester F.
- Weber, Theodore E.: *See—*
Davis, Russell E., and Weber.
- Weber, Theodore, Jr.: *See—*
Weber, Theodore, Sr., and T., Jr.
- Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box structure. 2,445,984, July 27.
- Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box structure. 2,455,031, Nov. 30.
- Weber, Theodore, Sr., and T., Jr., Cliffside Park, N. J. Thread severing apparatus. 2,444,079, June 29.
- Weber, Victor, Greensburg, assignor to Robertshaw-Thermostat Company, Youngwood, Pa. Electric heating system for cooking appliances. 2,435,641, Feb. 10.
- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Brush holder for electric motors. 2,448,850, Sept. 7.
- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Temperature controlling device. 2,454,682, Nov. 23.
- Weber, Victor, Greensburg, and R. F. Garner, Youngwood, Pa., assignors to Robertshaw-Fulton Controls Company. Safety device for fuel burners. 2,455,542, Dec. 7.
- Weber, Virginia, assignee: *See—*
Weber, John.
- Weber, William: *See—*
Wolff, Robert L., and Weber.
- Weber, William J., Lyndhurst, assignor to S. Crewe, Cleveland, Ohio. Dispensing device for viscous materials. 2,446,501, Aug. 3.
- Webster, Benjamin C., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Connector. 2,437,339, Mar. 9.
- Webster, Benjamin C., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical receptacle. 2,447,676, Aug. 24.
- Webster Electric Company, assignee: *See—*
Campbell, Richard H.
- Webster, George C., Washington, D. C. Cable connecting device. 2,435,989, Feb. 17.
- Webster, Hugh G., Detroit, Mich., assignor to J. H. Shoemaker. Metal cleaning composition. 2,440,837, May 4.
- Webster, John H., Rocky Hill, assignor to The Stanley Works, New Britain, Conn. Clear vision windshield deicer. 2,445,413, July 20.
- Webster, Judith T., Boston, Mass. Ornamental hair fillet. 2,455,715, Dec. 7.
- Webster, Philip S., North Muskegon, Mich. Piston. 2,446,348, Aug. 3.
- Webster, Robert H.: *See—*
Egger, Charles J., and Webster.
- Webster, Warren, & Company, assignee: *See—*
Morgan, David E.
- Wechsberg, Raoul, deceased, by J. C. A. Büchner, administrator, Amsterdam, Netherlands; vested in the Attorney General of the United States. Materials resistant to poisonous gases. 2,433,876, Jan. 6.
- Wechsler, Joseph W., New York, N. Y. Gas operated shoulder weapon. 2,452,617, Nov. 2.
- Weddington, Harry F., Salisbury, N. C. Warp stop motion drop wire. 2,452,004, Oct. 19.
- Weddle, Richard C., assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Smokeless ash-tray. 2,440,387, Apr. 27.
- Wedeking, Lorenz A., assignor to The Lake Manufacturing Company, Inc., Clear Lake, Iowa. Stock oller. 2,438,751, Mar. 30.
- Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Snuffer cap assembly. 2,438,378, Mar. 23.
- Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Music box. 2,454,361, Nov. 23.
- Wedge, Arthur F., Hartford, and H. T. Bidwell, Manchester, Conn., assignors to Colt's Manufacturing Company. Honing spindle. 2,455,841, Dec. 7.
- Wedgeplug Valve Co., Inc., assignee: *See—*
Snyder, John Y.
- Wedler, Frederick C., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Freeze-drying regenerated cellulose. 2,444,124, June 29.
- Weed, Edward E., East Port Chester, Conn. Steam generator. 2,441,123, May 4.
- Weed, Hollis K., Blakeley Island, Ala. Steel reinforced tire. 2,451,894, Oct. 19.
- Weed, John H., West Sunbury, assignor of one-half to S. Patten, Butler, Pa. Chain jack and tightener. 2,444,866, July 6.
- Weed, Weiger & Company, assignee: *See—*
Huerber, Ernest W.
- Weeks, David L., Berkeley, Calif. Snubbing device for catapults. 2,452,618, Nov. 2.
- Weeks, Harvey B., Quincy, Mass. Rotary turbine. 2,444,213, June 29.
- Weeks, Loren R., Coeur d'Alene, Idaho. Door lock. 2,456,229, Dec. 14.
- Weeks, Walter L., Wyckoff, N. J., assignor to Wright Aeronautical Corporation. Automatically submerged sump pump. 2,455,717, Dec. 7.
- Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Sear mechanism. 2,436,682, Feb. 24.
- Weese, Wilfred W., West Englewood, N. J. Bore cleaning bullet. 2,442,155, May 25.
- Weesner, Carl W., Warren, Ohio, and W. B. Leffingwell, Sharon, E. R. Babylon, New Wilmington, and H. L. Schell, assignors to Sharon Steel Corporation, Sharon, Pa. Heat-treating and cold-rolling Hadfield manganese steel. 2,448,753, Sept. 7.
- Weesner, William E.: *See—*
McBee, Earl T., and Weesner.
- Wege, Ervin C., assignor to The Oilgear Company, Milwaukee, Wis. Centering device. 2,441,925, May 18.
- Wegener, Alfred J., Jr., Kansas City, Mo. Adjustable shirt sleeve and cuff assembly. 2,447,106, Aug. 17.
- Weger, Alfred T.: *See—*
Hinkle, George A., and Weger.

- Weggum, Gust, Nashwank, assignor to Butler Brothers, St. Paul, Minn. Truck hoist car. 2,443,546; June 15.
- Wegman, Evert S.: *See*—
Copping, Bruce G., and Wegman.
- Wegst, Walter F., Wyandotte, Mich., and J. H. Wills, Chester, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of hydrated polysilicate. Re. 23,043, Oct. 5.
- Wegst, Walter F., and L. R. Bacon, Wyandotte, and T. H. Vaughn, Grosse Ile, assignors, by mesne assignments, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Protection of glass surface against alkali attack. 2,447,297, Aug. 17.
- Wehmer, Bruno F., Melrose Park, assignor to The Wm. Meyer Company, Chicago, Ill. X-ray equipment. 2,456,096, Dec. 14.
- Wehner, John M., Culver City, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Adjustable switch operator. 2,446,681, Aug. 10.
- Wehr, William G., North Madison assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Clutch. 2,436,625, Feb. 24.
- Wehrli, Jean, Weinfelden, Switzerland. Steam fixing coloring material in textile goods. 2,446,502, Aug. 3.
- Wehrli, Walter, and C. Petitjean, Basel, assignor to Sandoz Limited, Fribourg, Switzerland. Metallizable polyazo dyestuffs and their preparation. 2,447,222, Aug. 17.
- Wehrli, Walter, and C. Petitjean, assignors to Sandoz Limited, Basel, Switzerland. Metallizable polyazo dyestuffs. 2,454,683, Nov. 23.
- Weibel, Emil, Paterson, N. J. Garment hanger. 2,448,754, Sept. 7.
- Weichardt, Heinz H., New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electronic circuit control and relay therefor. 2,455,395, Dec. 7.
- Weidenhoff, Joseph, Inc., assignee: *See*—
Haskins, Butler J.
- Weidner, William, New York, N. Y. Laminated midsole and outsole construction. 2,456,659, Dec. 21.
- Weier, Heinrich, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turboelectric locomotive. 2,437,011, Mar. 2.
- Weigand, Frank G., Mount Carmel, Ill. Pipe clamp. 2,451,702, Oct. 19.
- Weigel, Daniel M., Detroit, Mich. Valve arrangement for external-combustion engines. 2,449,262, Sept. 14.
- Weigel, Daniel M., Detroit, Mich. Power transmission mechanism. 2,455,842, Dec. 7.
- Weightman, William A., assignor to The Budd Company, Philadelphia, Pa. Portable roller welder. 2,439,834, Apr. 20.
- Weightman, William A., assignor to The Budd Company, Philadelphia, Pa. Portable roller welder. 2,439,915, Apr. 20.
- Weightman, William A., Philadelphia, Pa., assignor to The Budd Company. Sheet metal working apparatus, especially for welding machines. 2,446,148, July 27.
- Weighton, Donald, assignor to Pye Limited, Cambridge, England. Detector or frequency changer for radio frequency oscillations. 2,446,118, July 27.
- Wejllard, John, Westfield, and J. P. Messerly, Clark Township, Union County, assignors to Merck & Co., Inc., Rahway, N. J. Racemization of α -hydroxy- β , β -dimethyl gamma-butyrolactone. 2,434,061, Jan. 6.
- Wejllard, John, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Producing derivatives of pvrzine. 2,447,148, Aug. 17.
- Weik, Karl, Detroit, assignor to Fabricon Products, Inc., River Rouge, Mich. Steaming or vaporizing means. 2,454,903, Nov. 30.
- Weil, Alfred J.: *See*—
Parfentjev, Ivan A., and Weil.
- Weilein, Paul, assignee, trustee, et al.: *See*—
Ruddock, William.
- Weiler, Robert E., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine lubricating oil cooling and air inlet deicing system. 2,435,990, Feb. 17.
- Weill, Bruno R., Statesville, N. C., assignor to Thonet Brothers, Inc., New York, N. Y. Chair. 2,435,064, Jan. 27.
- Weimar, Hans C., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Cross-feed mechanism. 2,438,835, Mar. 30.
- Weimer, Glen L.: *See*—
Keating, John P., and Weimer.
- Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Television transmitting tube. 2,433,941, Jan. 6.
- Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Dynode. 2,443,547; June 15.
- Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube. 2,452,619, Nov. 2.
- Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Electrode support in television tubes. 2,462,620, Nov. 2.
- Weimer, Paul K., V. K. Zworykin, Princeton, and I. Wolff, Manassquan, N. J., assignors to Radio Corporation of America. Cathode-ray storage tube apparatus and method of operation. 2,451,005, Oct. 12.
- Weinaug, Charles F.: *See*—
Buell, Charles K., and Weinaug.
Thodos, George, and Weinaug.
- Weinberger, Joseph M., assignor of one-half to T. Weinberger, Brooklyn, N. Y. Stroboscopic apparatus for calibrating time indicating devices. 2,444,178, June 29.
- Weinberger, Joseph M., assignor of one-half to T. Weinberger, Brooklyn, N. Y. Stroboscopic apparatus for calibrating time indicating devices. 2,454,983, Nov. 30.
- Weinberger, Leo, Le Vesinet, Seine-et-Oise, France. Ash tray with automatic cleaning. 2,442,715, June 1.
- Weinberger, Tessie, assignee: *See*—
Weinberger, Joseph M.
- Weiner, James R., Brooklyn, N. Y., assignor to Radio Corporation of America. Frequency shift keyer. 2,448,336, Aug. 31.
- Weiner, Leon, and B. I. Bell, Houston, Tex. Electrical plug and socket. 2,456,548, Dec. 14.
- Weinert, Carl R., West View, assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Tree suspension grenade device. 2,447,971, Aug. 24.
- Weinert, Carl R., West View, assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Target balloon. 2,447,972, Aug. 24.
- Weingart, Richard I. N., Glen Head, N. Y. Record album. 2,435,856, Feb. 10.
- Weingart, Richard I. N., Glen Head, N. Y. Forming bearing structures. 2,446,515, Aug. 3.
- Weingart, Richard I. N., Glen Head, and T. E. Torkelson, Baldwin, assignors to General Register Corporation, Long Island City, N. Y. Ticket machine. 2,452,022, Oct. 19.
- Weingarten, Joseph, New York, N. Y. Cathode ray tube calibration. 2,449,093, Sept. 14.
- Weinhouse, Sidney: *See*—
Kharasch, Morris S., and Weinhouse.
- Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Parachute made of self-supporting ribbons which are composed of broad and narrow bands. 2,450,926, Oct. 12.
- Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Ribbon parachute. 2,454,853, Nov. 30.
- Weinkauff, Bruno: *See*—
Wunsch, Guido, Weinkauff, Sadowski, and Kobischke.
- Weinkauff, Oliver J., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing diacetyl. 2,455,631, Dec. 7.
- Weinkauff, Oliver J., assignor to Monsanto Chemical Company, St. Louis, Mo. Propenyl ethacol. 2,457,074, Dec. 21.
- Weinman, Carl J.: *See*—
Morrill, Henry L., and Weinman.
- Weinreich, George: *See*—
Clare, Carl P., and Weinreich.
- Weinrich, Arthur R.: *See*—
Colbert, William H., and Weinrich.
Morgan, Willard L., and Weinrich.
- Weinrich, William W.: *See*—
Whitaker, Arthur C., and Weinrich.
- Weinrich, William W., Bartlesville, Okla., C. A. Holloway, Jr., Oakmont, Pa., and W. S. Bonnell, Port Arthur, Tex., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic contact process. 2,450,174, Sept. 28.
- Weinstein, Harry, assignee: *See*—
Keith, Glenn.
- Weinstein, Harry, assignee, et al.: *See*—
Keith, Glenn.
- Weinstein, Harry, Brooklyn, N. Y. Flat knitting machine. 2,440,496, Apr. 27.
- Weinstein, Milton M., assignee: *See*—
Keith, Glenn.
- Weinstein, Milton M., assignee, et al.: *See*—
Keith, Glenn.
- Weinstein, Norman, and G. F. Mannion, Chicago, Ill. Air conditioning apparatus. 2,445,705, July 20.
- Weinstock, Frank H., Jr.: *See*—
Pickel, Frank D., and Weinstock.
- Weir, Chester I., Buffalo, N. Y. Bilge water pumping apparatus. 2,452,973, Nov. 2.
- Weir, Horace M., Wynnwood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md. Method and apparatus for production of gel bodies. 2,455,843, Dec. 7.
- Weir, Leander M., Hyde Park, N. Y. Faceting head. 2,444,795, July 6.
- Weisbaum, Jack, Cincinnati, Ohio. Making neckties. 2,441,654, May 18.
- Weisberg, Mark, A. S. Stevenson, and L. Beer, Providence, assignors to Alose Chemical Company, Cranston, R. I. Treatment of textile materials with aldehydes. 2,441,859, May 18.
- Weisberg, Samuel M., and E. G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Esterification of alkali metal and alkaline earth metal lactates under controlled pH conditions to form alkyl lactates. 2,434,300, Jan. 13.
- Weisberg, Samuel M., and E. G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Method of preparing casein adhesives. 2,436,239, Feb. 17.

- Weisberg, Samuel M., and E. G. Stimpson, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Production of alkyl acrylates. 2,442,716, June 1.
- Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Solderless contact terminal. 2,456,601, Dec. 14.
- Weissblatt, David I., D. R. Myers, and E. C. Wise, assignors to The Upjohn Company, Kalamazoo, Mich. Mixed alkyl esters of ascorbic acid. 2,454,747, Nov. 23.
- Weissblatt David I., and D. R. Myers, assignors to The Upjohn Company, Kalamazoo, Mich. Ascorbic acid tetraester preparation. 2,454,748, Nov. 23.
- Weissbrod, Ivan V., Douglaston, assignor to A. A. Sackey, New York, N. Y. Sanitary shield for telephone transmitters. 2,450,703, Oct. 5.
- Weisel, Bert W., Jackson, Mich. Indexing back-off for grinders. 2,442,318, May 25.
- Weiser Company, assignee: *See*—
Russell, Fred J.
- Weissglass, Louis L.: *See*—
Simmon, Alfred, and Weissglass.
- Weissglass, Louis L., New York, assignor, by mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y. Color control for photographic enlargers. 2,447,724, Aug. 24.
- Weissglass, Louis L., New York, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Photoelectric exposure meter for enlargers using differential means to indicate contrast. 2,450,319, Sept. 28.
- Weiskopf, Edwin C., New York, N. Y. Microscope projecting and viewing apparatus. 2,435,299, Feb. 3.
- Weiskopf, Edwin C., New York, N. Y. Projector for microscopes and other magnifying devices. 2,435,300, Feb. 3.
- Weisslander, Daniel H., Portland, Maine. Portable staging or the like. 2,445,286, July 13.
- Weiss, Eduard, Brunn, Czechoslovakia. Spinning machine. 2,449,431, Sept. 14.
- Weiss, Hans H., and S. A. Tabacchi, Seattle, Wash., assignors to Schock, Gusmer & Co., Inc., Hoboken, N. J. Hop separator. 2,438,590, Mar. 30.
- Weiss, Herbert K., Camp Davis, N. C. Device for improving manual control. 2,442,389, June 1.
- Weiss, Louis, University City, Mo. Cooling unit for beverage serving assemblies. 2,446,895, Aug. 10.
- Weiss, Paul A., Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Resilient tantalum tubes and making same. 2,451,703, Oct. 19.
- Weiss, Saul, Washington, D. C. Firing mechanism. 2,451,526, Oct. 19.
- Weiss, Shirley I., New York, N. Y. Broad band variable tuning coil. 2,453,477, Nov. 9.
- Weiss, Shirley I., New York, N. Y. Radio receiver. 2,455,716, Dec. 7.
- Weiss, Solomon, Cleveland Heights, Ohio, assignor to M. M. Marcus, M. L. Waldman, and S. Weiss. Refrigerated clothes vault. 2,438,869, Mar. 30.
- Weiss, William C.: *See*—
Gable, Paul T., and Weiss.
- Weissberger, Arnold: *See*—
Glass, Dudley B., Vittum, and Weissberger.
Porter, Henry D., Weissberger, and Gregory.
Vittum, Paul W., Weissberger, and Wilder.
- Weissberger, Arnold, assignor to Eastman Kodak Company, Rochester, N. Y. 3-methylsulfonamido-4-amino dimethyl aniline photographic developer. 2,449,919, Sept. 21.
- Weissberger, Arnold, C. J. Kibler, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Ayl substituted reactive methylene color couplers. 2,436,130, Feb. 17.
- Weissberger, Arnold, and H. D. Porter, assignors to Eastman Kodak Company, Rochester, N. Y. Open chain active methylene color couplers. 2,439,352, Apr. 6.
- Weissberger, Arnold, C. J. Kibler, and R. V. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Thioglycolic amide couplers. 2,448,939, Sept. 7.
- Weissbrodt, Jean: *See*—
Broffo, Jacques J., and Weissbrodt.
- Weissenbach, Joseph, Los Angeles, Calif. Flight operation indicator. 2,452,621, Nov. 2.
- Weissman, Carl, Bronx, N. Y. Combined display and service tray device. 2,457,760, Dec. 28.
- Weissman, Eugene, Baltimore, Md. Audible and visual electrical signaling device. 2,439,766, Apr. 13.
- Weissman, Morton R., West New York, N. J. Variable condenser. 2,435,374, Feb. 3.
- Weisz, Daniel I., assignor to Universal Fittings & Scaffolding Company, Zellenople, Pa. Scaffold. 2,435,171, Jan. 27.
- Weitzenkorn, Lee F., Dundalk, and G. N. Goller, Baltimore, Md., assignors to Armco Steel Corporation. Ferrochrome process and product. 2,454,020, Nov. 16.
- Weizmann, Charles, assignor to Polymerisable Products Limited, London, England. Making acetylenic alcohols and intermediate formed therein. 2,435,524, Feb. 3.
- Weizmann, Charles, assignor to Ketarome Limited, London, England. Preparation and isolation of ethylene chlorohydrin. 2,456,350, Dec. 14.
- Weizmann, Charles, London, assignor to Polymerisable Products Limited, London County, England. Preparation of carboxylic acids by the oxidation of aldehydes. 2,456,549, Dec. 14.
- Weinarth, Axel R., Stockholm, Sweden. Manufacturing resistance elements durable at high temperature and proof against chemical action. 2,445,296, July 13.
- Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation. Photographic reversing unit and system for producing reversed images. 2,434,373, Jan. 13.
- Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Photographic suction holder. 2,454,240, Nov. 16.
- Weibilt Stove Company, Incorporated, The, assignee: *See*—
Williams, Edward H., and Tunke.
- Welborn, Thomas J., Lubbock, Tex. Closure lock. 2,455,844, Dec. 7.
- Welch, Alfred F., Fort Wayne, Ind., and John R. Enochs, Framingham, Mass., assignors to General Electric Company. Shaded-pole synchronous motor. 2,437,142, Mar. 2.
- Welch, Clarence M., Tampa, Fla. Bobby pin opener. 2,441,947, May 25.
- Welch, Edward S., Jr., Framingham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency progressive bonding apparatus for plastic materials. 2,446,623, Aug. 10.
- Welch, Lester M., Madison, and S. B. Lippincott, Westfield, N. J., assignors to Standard Oil Development Company. Inhibition of diolefin polymer growth. 2,446,969, Aug. 10.
- Welch, Martin J., Buffalo, N. Y. Stocking. 2,445,049, July 13.
- Welch, Russell A., Detroit, Mich. Electrode holder. 2,442,029, May 25.
- Welch, William W., Cincinnati, Ohio. Plastic ventilator fan. 2,441,737, May 18.
- Welch, Zara D.: *See*—
McBee, Earl T., and Welch.
- Welded Steel Shapes, Inc., assignee: *See*—
Fish, Gilbert D.
- Welding Engineers Incorporated, assignee: *See*—
Fuller, Lawrence J.
- Welding Machines Manufacturing Company, assignee: *See*—
Beronius, Harry V.
- Welding Research, Inc., assignee: *See*—
Sciaky, David.
- Weldon Roberts Rubber Co., assignee: *See*—
Feiler, Frederick W.
- Welford, Stanley F. W., assignor to Ilford Limited, Ilford, England. Package of photographic light-sensitive papers. 2,452,705, Nov. 2.
- Welge, Victor, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Ignition system. 2,447,782, Aug. 24.
- Wellnsky, Irving H.: *See*—
Milliken, Thomas H., Jr., and Wellnsky.
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Combined card punching and slotting machine. 2,439,029, Apr. 6.
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Key-punch slotting machine. 2,439,030, Apr. 6.
- Well Equipment Mfg. Corp., assignor: *See*—
Stillwagon, Crawford K.
- Weller, Barton L., Chicago, Ill., assignor to The United States of America, as represented by the Atomic Energy Commission. Ionization chamber. 2,436,084, Feb. 17.
- Weller, Barton L., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Direct-current amplifier. 2,455,718, Dec. 7.
- Weller, Clair B., assignor of one-half to D. C. Maddux, Los Angeles, Calif. Ticket marking and attaching machine. 2,449,188, Sept. 14.
- Wellings, John G., Rugby, England, assignor to General Electric Company. High reactance transformer. 2,446,033, July 27.
- Wellington, Cary L., Long Island City, N. Y., assignor to the United States of America as represented by the Secretary of War. Variable time mechanism. 2,444,411, June 29.
- Wellman, Albert, Schenectady, assignor to General Electric Company. Electric contact device. 2,435,484, Feb. 3.
- Wellman, Bertram: *See*—
Kennedy, John L., Mead, and Wellman.
- Wellman, Charles P., deceased, by M. M. Wellman, administratrix, Pleasant Ridge, Mich., assignor, by mesne assignments, to A. S. Mihalik. Crayon box. 2,446,896, Aug. 10.
- Wellman, Minnie M., administratrix: *See*—
Wellman, Charles P.
- Wellman, S. K., Company, The, assignee: *See*—
Lowey, Francis J.
Tower, Charles H., and Lowey.
Wellman, Samuel K.
- Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Apparatus for applying powdered metal briquets to curved metallic surfaces. 2,434,237, Jan. 6.
- Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Applying powdered metal briquettes to curved metallic surfaces. 2,451,264, Oct. 12.

- Wells, Chester R.: *See*—
Cole, Gilmore N., and Wells.
- Wells, Edward P., Jacksonville, Fla. Rocket. 2,455,845, Dec. 7.
- Wells, Franklin B., Verona, N. J., assignor to Ellis-Foster Company. Process of making sulfurized joboba oil. 2,450,403, Sept. 28.
- Wells, Franklin H., Ridgewood, and F. J. Sowa, Cranford, N. J., assignors to International Cigar Machinery Company. Tobacco sheets and filaments and making them. 2,433,877, Jan. 6.
- Wells, George W., Amesbury, Mass. Toggle operated wrench with toggle release lever. 2,443,153, June 8.
- Wells, Harold D., Glens Falls, N. Y. Continuous pulper and selector. 2,434,449, Jan. 13.
- Wells, Harold E., Kenmore, assignor to Bell Aircraft Corporation. Wheatfield, N. Y. Aircraft control system. 2,446,149, July 27.
- Wells, Homer A., Sacramento, Calif. Resilient wheel. 2,436,844, Mar. 2.
- Wells, Joseph H.: *See*—
Wilson, Philip J., Jr., Wells, and Liebel.
- Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie Illinois Steel Corporation. Recovering pyridine. 2,435,663, Feb. 10.
- Wells, Martin, Los Angeles, Calif. Heavy-duty electrode holder. 2,455,325, Nov. 30.
- Wells, Myron E., Denver, Colo., assignor to Philip N. Braun Inc., Los Angeles, Calif. Inking device for marking machines. 2,443,939, June 22.
- Well Surveys, Incorporated, assignee: *See*—
Davis, Robert F.
- Wells, Robert, Kankakee, Ill. Folding picnic table. 2,452,169, Oct. 26.
- Wells, Roy E., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing cabinet. 2,452,512, Oct. 26.
- Wells, Sidney D., Combined Locks, Wis., assignor to The Institute of Paper Chemistry. Apparatus for washing paper stock. 2,442,990, June 8.
- Wells, Sidney D., Combined Locks, assignor to The Institute of Paper Chemistry, Appleton, Wis. Preparation of paper-making fiber and other useful materials from straw. 2,452,533, Oct. 26.
- Wells, William S., Palo Alto, assignor to P. S. Linforth, San Francisco, Calif. Compressed air gun. 2,450,029, Sept. 28.
- Welsch, Charles E., Schenectady, N. Y., assignor to General Electric Company. Polysiloxane resins. 2,449,572, Sept. 21.
- Welser, Earl M., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Balanced adapter and narrow die for stretching presses. 2,440,529, Apr. 27.
- Welsford, William M., Melbourne, Victoria, Australia. Machine for manufacturing hair slides, hair pins, or the like. 2,448,263, Sept. 14.
- Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Fountain pen. 2,456,602, Dec. 14.
- Welsh Manufacturing Company, assignee: *See*—
Welsh, James W.
- Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Power plant comprising a gas turbine and an internal-combustion engine compressor serving as a gas generator therefor. 2,434,777, Jan. 20.
- Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Power plant. 2,434,778, Jan. 20.
- Welsh, Robert J., and G. W. Cox, Rugby, assignors to The English Electric Company Limited, London, England. Starting free piston internal-combustion operated compressors or gas generators. 2,434,877, Jan. 20.
- Welsh, William H., Detroit, Mich. Paint bucket bracket. 2,457,290, Dec. 28.
- Welsh, William H., New York, N. Y. Pump impeller. 2,440,317, Apr. 27.
- Welshman, James R.: *See*—
Donkersley, Albert B., and Welshman.
Linker, William L., and Welshman.
- Welshman, James R., Cranston, assignor to Grinnell Corporation, Providence, R. I. Flaring tubing. 2,437,285, Mar. 9.
- Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Detroit, Mich. Hydraulic circuit for effecting sequential operation of a plurality of positive displacement hydraulic motors of different sizes. 2,446,397, Aug. 3.
- Weltman, William C., Wilkinsburg, Pa., and T. F. Dixon, Pasadena, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating with synthetic resin containing an accelerator, and resin compositions. 2,452,005, Oct. 19.
- Weltronic Company, assignee: *See*—
Undy, Gustav E.
- Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Suction-type grain dryer and cooler. 2,437,899, Mar. 16.
- Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Corn harvester. 2,440,791, May 4.
- Welty, Albert B., Jr., Mountainside, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Hydroforming process. 2,447,043, Aug. 17.
- Welty, Albert B., Jr., Mountainside, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Activation of catalyst. 2,456,351, Dec. 14.
- Wemp, Eleanor M., assignee, et al.: *See*—
Wemp, Ernest E.
- Wemp, Ernest E., Detroit, Mich. Liquid handling means. 2,440,624, Apr. 27.
- Wemp, Ernest E., assignor of five percent to C. J. Smith, five percent to L. K. Smith, twenty percent to L. A. Wemp, Detroit, Mich., and 5 percent to E. M. Wemp, Los Angeles, Calif. Torque transmitting coupling. 2,441,174, May 11.
- Wemp, Ernest E., Detroit, Mich., assignor of five percent to E. M. Wemp, Los Angeles, Calif., twenty percent to L. A. Wemp, five percent to L. K. Smith, and five percent to C. J. Smith, Detroit, Mich. Pressure control for hydraulic systems. 2,446,730, Aug. 10.
- Wemp, Lila A., assignee, et al.: *See*—
Wemp, Ernest E.
- Wenander, Harald S., Riksbys, Stockholm, Sweden, assignor to Vibro-Plus Corporation, New York, N. Y. Vibrator. 2,437,983, Mar. 16.
- Wendt, Gerald L., New York, N. Y., assignor to Sun Chemical Corporation. Preparation of photosetting coating composition. 2,453,769, Nov. 16.
- Wendt, Gerald L., New York, N. Y., assignor to Sun Chemical Corporation. Preparation of photosetting coating composition. 2,453,770, Nov. 16.
- Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Volt-ampere meter. 2,439,835, Apr. 20.
- Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Variable air gap turn compensator. 2,450,320, Sept. 28.
- Wenger, Clifton E., Detroit, Mich. Air heater for motor vehicles. 2,452,170, Oct. 26.
- Wenger, Frederick R., Los Angeles, assignor to Focal Company, Downey, Calif. Metalizing nonmetallic articles. 2,447,379, Aug. 17.
- Wenger, Frederick R., Los Angeles, assignor to Focal Company, Downey, Calif. Metalizing nonmetallic articles. 2,447,380, Aug. 17.
- Wenk, Edward J., Cabin John, Md. Model testing apparatus. 2,446,566, Aug. 10.
- Wenner, Wilhelm, Montclair, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J. Making 5-monoalkyl-barbituric acids. 2,446,503, Aug. 3.
- Wenner, Wilhelm, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Carboxylated monosubstituted barbituric acid. 2,446,504, Aug. 3.
- Wenner, Wilhelm, Upper Montclair, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Oxidation of barbituric acid to alloxan. 2,445,898, July 27.
- Wennerberg, August, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-cutting apparatus. 2,454,241, Nov. 16.
- Wente, Edward C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,442,791, June 8.
- Wenzel, Frederick W., assignor to Hummel & Downing Company, Milwaukee, Wis. Carton and display stand. 2,457,291, Dec. 28.
- Wenzel, John S., Manchester, Conn., assignor to Wenzel, Wenzel, MacQuire & Richardson. Opposed cylinder two-cycle engine. 2,445,720, July 20.
- Wenzel, Robert N.: *See*—
Ford, James G., and Wenzel.
- Wenzel, Wenzel, MacQuire & Richardson, assignee: *See*—
Wenzel, John S.
- Wenzke, Herman H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of normally gaseous mixtures. 2,451,136, Oct. 12.
- Wepplo, Isaac W., Minneapolis, Minn. Fuel vaporizer. 2,456,097, Dec. 14.
- Werber, Norberto, Buenos Aires, Argentina. Double fuse. 2,437,810, Mar. 9.
- Werder, Frances K., executrix: *See*—
Werder, John F.
- Werder, John F., Cleveland, Ohio, deceased; F. K. Werder, executrix, assignor to The Zip Abrasive Company, Cleveland, Ohio. Oil filtering apparatus. 2,441,681, May 18.
- Werf Conrad en Stork Hysch N. V., assignee: *See*—
Esseling, Cornelis J.
- Weritz, John, Cicero, Ill. Lamp holder for tubular lamps. 2,436,706, Feb. 24.
- Werkenthin, Theodore A., Arlington, Va. Tracked vehicle or craft construction. 2,435,617, Feb. 10.
- Wermelle, Henri: *See*—
Weber, Ernst, Pudelko, Bollmann, and Wermelle.
- Wermine, Hugo H., Wheaton, Ill., assignor to Belden Manufacturing Company. Electrical connector. 2,439,767, Apr. 13.
- Werner, Arthur C., assignor to L. H. Lukens, Lodi, Calif. Locking device for trailer hitch. 2,435,857, Feb. 10.
- Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Thermostatic switch. 2,436,909, Mar. 2.
- Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Commutator bar. 2,436,910, Mar. 2.

- Werner, Carl A., Superior, Wis. Battery bracket and holder. 2,435,375, Feb. 3.
- Werner, Clarence W., Hansen, Idaho. Stabilizing iron. 2,453,390, Nov. 9.
- Werner, Daniel R., Omaha, Nebr., assignor to American Telephone and Telegraph Company. Control apparatus for forced drainage. 2,454,536, Nov. 23.
- Werner, Frank D., Kansas City, Mo., assignor to United States of America as represented by the Secretary of the Navy. Antenna cap. 2,455,286, Nov. 30.
- Werner, Frank P., assignee: *See*—
Werner, Herbert J.
- Werner, Herbert J., assignor of one-half to F. P. Werner, Chicago, Ill. Combined fluid-operated motor and pump. 2,445,985, July 27.
- Werner, Leo C., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Filament tensioning means in electron discharge device. 2,434,529, Jan. 13.
- Werner, Leo C., and W. S. Lund, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Sealing coaxial structures. 2,439,916, Apr. 20.
- Werner, Le Roy L.: *See*—
Johnson, Hugh B., and Werner.
- Werner, Le Roy L., Washington, D. C. Vibration damping mount. 2,437,717, Mar. 16.
- Werner, Le Roy L., Washington, D. C. Conveyor support. 2,438,527, Mar. 30.
- Werner, Le Roy L., Washington, D. C. Dispensing roll holder. 2,456,660, Dec. 21.
- Werner, Le Roy L., Washington, D. C. Portable shower unit. 2,457,190, Dec. 28.
- Werner, Mack M., Brooklyn, N. Y. Ointment applicator. 2,452,006, Oct. 19.
- Werner, Nels E., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Refractory tile. 2,436,131, Feb. 17.
- Werner, R. D., Co., Inc., assignee: *See*—
Werner, Richard D.
- Werner, Richard D., assignor to R. D. Werner Co., Inc., New York, N. Y. Method and device for molding. 2,452,884, Nov. 2.
- Werner, Siegmund, New York, N. Y. Swivel head for ski pole rings. 2,450,063, Sept. 28.
- Wernli, Max, Schaffhausen, Switzerland, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon. Barrel and breech ring with spring means for connecting the same. 2,450,064, Sept. 28.
- Wertz, Hugh S., assignee: *See*—
Earle, Guyon L. C.
- Wertz, Louis S., Cleveland, Ohio. Increasing the strength of porous structures. 2,434,301, Jan. 13.
- Wertz, Louis S., Cleveland Heights, Ohio. Solidifying porous structures. 2,434,302, Jan. 13.
- Wescott, John E., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Aircraft landing gear lock. 2,451,265, Oct. 12.
- Weskenson Corporation, assignee: *See*—
Moo, Gothard T.
- Wesley, Andrew, Plainfield, and E. J. Roehl, Little Silver, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Recovery of nickel from idle nickel electroplating baths and the production of an iron-nickel master alloy. 2,442,628, June 1.
- Wesley, Andrew, Plainfield, and E. J. Roehl, Little Silver, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Recovery of nickel from idle nickel electroplating baths and the production of an iron-nickel master alloy. 2,442,629, June 1.
- Wesner, Wilton W., Rancocas, N. J. Irradiation of liquids using ultraviolet light. 2,457,761, Dec. 28.
- Wessel, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Hub. 2,435,764, Feb. 10.
- Wesselman, Eugene: *See*—
Hornor, Wilfred, and Wesselman.
- Wessman, Arnt W., Rock Island, Ill., assignor to International Harvester Company. Shove feeding and butt cutting device for threshers. 2,435,703, Feb. 10.
- Wesson, Bernard, Beechhurst, Long Island, and N. Kupin, Brooklyn, N. Y. Vanity case. 2,441,303, May 11.
- West, Charles A., Southbridge, Mass. Temperature controlled actuating mechanism. 2,439,706, Apr. 13.
- West, Charles P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear apparatus. 2,434,604, Jan. 13.
- West, Charles P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Universal bus-bar support. 2,445,463, July 20.
- West, Clifford S., Adams, Mass. Clothesline apparatus. 2,455,203, Nov. 30.
- West, Cutler D.: *See*—
Barr, Edgar E., and West.
Georgian, Vlasios, Amon, Gofstein, Land, West, and Woodward.
Hyman, Mark, Jr., and West.
- West, Cutler D., assignor to Polaroid Corporation, Cambridge, Mass. Composite achromatic wave plates comprising superimposed sheets of differently birefringent, molecularly oriented, transparent, solid, organic plastic material. 2,441,049, May 4.
- West, Cutler D., assignor to Polaroid Corporation, Cambridge, Mass. Light-polarizing prism. 2,447,828, Aug. 24.
- West Disinfecting Company, assignee: *See*—
Huppke, Walter F., and Sodergreen.
- West, Fred E., Indianapolis, Ind. Lapping. 2,441,124, May 4.
- West, George A., Guffey, assignor of forty-nine per cent to G. W. Shema, Fairplay, Colo. Two-man portable power saw. 2,440,033, Apr. 20.
- West, Harold E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Sealed vibrator. 2,445,196, July 13.
- West, Herbert J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Cellulose ether compositions. 2,453,608, Nov. 9.
- West, Herbert J., and H. M. Enterline, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Heat-stable plasticized resin compositions. 2,437,657, Mar. 9.
- West, James R., and F. D. Jones, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Wire tying mechanism. 2,456,476, Dec. 14.
- West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial lead-in for electron discharge devices. 2,455,846, Dec. 7.
- West, Maxwell A., Portland, Oreg. Cable clamp. 2,441,304, May 11.
- West, Paul B., Newark, N. J. Prefabricated concrete form. 2,455,455, Dec. 7.
- West Road Co. Limited, assignee: *See*—
Halstead, Philip E.
- West, Russell L., Montreal, Quebec, Canada, assignor, by mesne assignments, to Link Aviation, Inc., Binghamton, N. Y. Training equipment for aviators. 2,450,261, Sept. 28.
- West, Wilfred H., Rosenberg, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Folded paper towel and dispenser therefor. 2,440,993, May 4.
- West, William H., assignor to The Alabama Textile Engineering Company, Inc., Montgomery, Ala. Pick motion for looms. 2,450,463, Oct. 5.
- West, William L., Belmont, N. C. Helicopter roundabout. 2,451,006, Oct. 12.
- West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugal switch. 2,441,914, May 18.
- West Bend Equipment Corporation, assignee: *See*—
Klumb, Carl E.
- Westberg, Arthur H., Baldwin, and C. S. Aldrich, Babylon, N. Y., assignors to Republic Aviation Corporation. Airfoil operating mechanism. 2,453,560, Nov. 9.
- Westenhaver, Marion J., et al.: *See*—
Oakley, Thurman, Westenhaver, and Eggmann.
- Wester, Alfred B., L. A. Burrows, and W. B. Johnson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Diphenylamine manufacture. 2,447,044, Aug. 17.
- Wester, Edwin J., Rochester, and E. R. Ziegler, Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Reeling device switch. 2,438,082, Mar. 16.
- Wester, Ralph C., assignor of one-half to A. G. Kirby, Plain City, Ohio. Combination end gate and feeding and spreading device for use on dump trucks. 2,442,743, June 1.
- Westerholm, Gustaf, Hobart, Ind., assignor to Carnegie-Illinois Steel Corporation. Rail turning device. 2,447,223, Aug. 17.
- Western Condensing Company, assignee: *See*—
Crews, John F.
Meade, Reginald E., and Crews.
Peebles, David D., and Marquis.
Pollard, Henry L., Rodgers, and Meade.
Rodgers, Nelson E., Pollard, and Meade.
- Western Corrugator Co., assignee: *See*—
Palmer, Robert A. and J. R., and Smit.
- Western Electric Company, assignee: *See*—
Hanson, Estyle D., and Nelson.
Henning, George E.
- Western Electric Company, Incorporated, assignee: *See*—
Aamor, Sven.
Arnold, Edwin.
Arthur, Harry J., and McCrory.
Baley, Joseph J.
Bartelheim, Leland A.
Bartelheim, Leland A., and Lane.
Bartelheim, Leland A., Lane, and Mallina.
Bent, Arthur J.
Bergstrom, Carl O.
Beyer, Charles M.
Blaisdell, Charles O., and Daniel.
Bouget, Yves A.
Brillhart, Samuel E.
Brillhart, Samuel E., and Mosher.
Burton, Perry H.
Conklin, Robert M.
Detuno, Rocco J.
Dillinger, Joy F., and Patton.
Dowd, Frank, and Keller.
Ewaldson, Waldemar C.
Edwards, Karl C., and Jones.
Frankwich, Alexander C.
Gambrell, Richard D., and Lewis.
Gauthier, Marcel C.
Gosmann, Enart, and Weston.
Granberry, Doyle S.

Western Electric Company, Incorporated, assignee: *See—*
Continued.

Haas, Walter O., Jr.
Heath, Herbert P.
Hegeman, Andrew S., Jr., and Snook.
Henning, George E.
Hines, Claude M., and Stewart.
Hodgdon, Frank B.
Hutchison, William M.
Hyde, Merritt A., and Marbury.
Jarman, Vincent G.
Jernstedt, George W.
Johnson, Joel R.
Johnson, John S.
Jones, David D.
Juvinall, James W.
King, George E.
Kinn, Theodore P., and Tashjian.
Krogel, Christopher J.
Larsen, Elmer W.
Larsen, Elmer J., and Nelson.
Larsen, Henry M.
Lea, George D., and Pfeiffer.
Lewis, Clay E.
Lodge, Joseph E.
Lum, John C., and Jernstedt.
Lundeen, Carl V.
Malmberg, Bror V.
Manjoine, Michael J.
Martin, Samuel M.
Maxson, Gordon J.
May, Harry C.
McKeige, Edward E.
Merrick, De Witt D.
Merwin, Harry H., and Nystrom.
Miner, John D., Jr., and Mulheim.
Missbach, Arthur M.
Mitchell, Donald H., and Moss.
Moss, Earl C.
Moss, Earl C., and Schaufelberger.
Mueller, Erich O.
Nelson, Wilbur L.
Newton, John S.
Olney, Nathaniel M.
Pakala, William E., and Myers.
Paulson, Christian.
Peter, Leslie H.
Porter, Philip K.
Powell, Paul R.
Prudhon, Glenn L., and Spikula.
Purifoy, George R.
Quinlan, Amos L.
Rawlins, Herbert L.
Rayburn, Vincent A.
Rayburn, Vincent A., and Robson.
Robinson, Robert C.
Rosendale, Robert W.
Schaefer, Cyril L., and Swanson.
Schroeder, Leroy E.
Schultz, Frank A.
Scott, Kenneth L.
Shand, John A.
Simp, Emil.
Smith, Charles C.
Snook, Harry N.
Stastny, Jacob.
Stull, John S.
Taylor, Charles H.
Taylor, Owen L.
Weiler, Robert E.
Wennerberg, August.
Weybrew, Sydney F.
Willous, Charles E.
Wrathall, John R.
Wrathall, John R., and Ivy.
Wright, Robert L., II.
Yonkman, William.

Western Engineering and Tool Design, assignee: *See—*
Stahnke, Leslie R., and Lannert.

Western Equipment Company, assignee: *See—*
Morrison, Clifford.
Morrison, Clifford, and Hoch.

Western Frozen Foods Co., assignee: *See—*
Moulthrop, Orville L.

Western Laundry Machinery Company, assignee: *See—*
Sando, Joseph B.

Western Precipitation Corporation, assignee: *See—*
Pootjes, Peter.
White, Harry J.

Western States Machine Company, The, assignee: *See—*
Hertrich, Joseph.
Roberts, Eugene.

Western Union Telegraph Company, The: *See—*
Buckingham, William D., and Deibert.

Western Union Telegraph Company, The, assignee: *See—*
Kline, Bernard L.
Kline, Bernard L., and Harris.
Mample, Adolph Z.
Pihl, George E.
Tandler, William S., and Walker.
Wilder, Harold F.
Wilder, Harold F., and Breyfogel.

Western Union Telegraph Company, The, assignee: *See—*
Continued.

Wise, Raleigh J.
Wise, Raleigh J., and Parrott.
Wise, Raleigh J., Ridings and Parrott.
Western Waxed Paper Company, assignee: *See—*
Bojanower, Albert M.
Westfield Manufacturing Company, The, assignee: *See—*
Maschin, Harold F.
Westfield River Paper Company, Inc., assignee: *See—*
Glasing, Joseph S., and Marcotte.

Westin, Axel: *See—*
Westin, Sven and A. W.

Westin, Sven, West Allis, and A. Westin, Milwaukee, Wis., assignors, by mesne assignments, to Federal Machine & Welder Co., Warren, Ohio. Electric upsetting and forming. 2,452,974, Nov. 2.

Westinghouse Air Brake Company, The, assignee: *See—*

Aikman, Burton S.
Cadman, Norman G.
Campbell, James A., Hull, and Stevens.
Crittenden, Philip L.
Erson, Erik G.
Hewitt, Ellis E.
Hewitt, Ellis E., and Hines.
Hewitt, Ellis E., and Larson.
Hines, Claude M.
Kelley, Cecil S.
Larson, Arthur G.
Linhart, Harry M.
Maliphant, Charles W.
May, Harry C.
May, Harry C., and Stevens.
McClure, Glenn T., and Rush.
McCune, Joseph C.
McCune, Joseph C., and Newell.
Newell, George K.
Rush, John W., and Kirk.
Steinmiller, Adelbert A.
Stevens, Roy R.
Whitney, Ralph T.

Westinghouse Electric Corporation, assignee: *See—*

Allen, Howard E.
Anderson, Ephraim H.
Anderson, William B., and Shaw.
Ankenman, Earl B.
Armstrong, George C.
Arnold, Edwin E.
Arnott, Edward G. F.
Arnott, Edward G. F., and Dawley.
Arnott, Edward G. F., Slack, and Dawley.
Askey, John S.
Astin, James S.
Atwell, Clarence A., and Mueller.
Auburn, Basil J.
Austin, Bascum O., and Walley.
Auxier, Robert W., and Norelli.
Baker, Benjamin F., and Harker.
Baker, Benjamin F., and Leitzel.
Baker, Rest R.
Baker, Rest R., and Harris.
Baker, Robert M.
Bartholy, Frederick E.
Bartlett, David.
Baston, Cyril E.
Baudry, René A.
Berberich, Leo J.
Bererich, Leo J.
Bergstrom, Carl O.
Berkey, William E.
Blackburn, Wayne E.
Bobe, Stanley A.
Bock, Ashley P.
Bollaert, Remi.
Boyer, John L.
Boyer, John L., and Ballard.
Boyer, John L., and Hagensick.
Boyer, John L., and Rose.
Boykin, John R.
Bradbury, Donald, and Meyer.
Braithwaite, Charles H., Jr.
Brecht, Winston A.
Breckenridge, Frank.
Brown, Myron J.
Browne, Thomas E., Jr.
Bryant, Ozro N.
Campbell, John M.
Candee, Andrew H.
Cannizzaro, Joseph J.
Carlin, Herbert J., and Chapman.
Carpenter, David E.
Carter, John M.
Carville, Theodore E. M.
Cassen, Benedict.
Chalupa, Joseph F.
Chapman, Stuart H.
Clark, Earl K.
Cody, Clifford S.
Colaiacono, August P.
Colaiacono, August P., and Hopper.
Cook, Willard G.
Copping, Bruce G., and Wegman.
Cox, Joseph H.
Croco, Charles P., and Blankenbuehler.

Westinghouse Electric Corporation, assignee: *See*—Continued.

Cumming, James M.
 Cummings, Ira R.
 Cuttino, William H., and Horn.
 Daly, Thomas A.
 Dana, Charles A.
 Denmark, Robert.
 Denmark, Robert, and McWhirter.
 Derr, Willard A.
 Dickerson, Paul M.
 Dickinson, Robert C., and Frink.
 Dickman, Forrest W.
 Dolan, Alpheus J.
 Dunlop, James.
 Eames, William F.
 Edwards, Andrew W.
 Edwards, Hilbert E.
 Eigenberger, Elroy I.
 Else, Harry D., and Mulheim.
 Ferguson, John P.
 Fielder, Frederick D.
 Fields, Charles V.
 Fischer, Eugene H., Harnish, and Russell.
 Flanders, Warren B.
 Ford, James G., and Wenzel.
 Foster, Newton C.
 Fountain, Lawrence L.
 Fox, Edward A., Jr., and Tingquist.
 Frisch, Erling.
 Frisch, Erling, and Lory.
 Frostick, Harold G.
 Fulmer, Norman C.
 Furst, Albert J., Aakjer, and Dickerson.
 Gamel, Gayne D., and Hawkins.
 Garbuny, Max, and Hull.
 Garbuny, Max, and Pakala.
 Geiselman, Ralph A., and Cuttino.
 Gerlach, Francis H., and Miner.
 Gerner, Anson J.
 Godsey, Frank W., Jr.
 Goldsborough, Shirley L.
 Goldthwaite, George R.
 Goodwin, Arthur E., and Ludwig.
 Gordon, Clifford D., and Pawlishen.
 Gottlieb, Manious.
 Graybill, Howard W.
 Graybill, Howard W., and Olsson.
 Green, James H.
 Grissinger, George G., Lindstrom, and Sandin.
 Gulliksen, Finn H.
 Gunter, Frank B.
 Hagen, Harold F.
 Halfvarson, Gustaf A.
 Hall, Sherman B.
 Halpine, Paul A.
 Hancock, Myron S.
 Hanna, Clinton R., and Lynn.
 Hanna, Clinton R., and Mikina.
 Hanna, Raymond P.
 Harder, Edwin L.
 Harder, Edwin L., and Pollard.
 Harding, William R.
 Harris, Walter E.
 Harrison, John W.
 Hartwig, Edward C.
 Hayes, William A.
 Herchenroeder, Louis W., and Scott.
 Herwald, Seymour W., and Watson.
 Hill, Charles F., and Auxier.
 Hill, Lawrence R.
 Hill, Lawrence R., and Keyes.
 Hipple, John A., Jr.
 Hoard, Bert V.
 Hodell, William R.
 Hodnette, John K.
 Hoop, John G.
 Hornbarger, Earl H.
 Houck, James P.
 Hutcheson, John A.
 Hutchison, William M.
 Iglehart, Ferdinand C.
 Iredell, Charles V., and Enrico.
 Jenkins, Charles F.
 Jennings, Lawrence D., and Naymik.
 Jennings, Oliver S.
 Jernstedt, George W.
 Johns, Francis J.
 Johnston, William A.
 Kenyon, Alonzo F.
 Kenyon, Alonzo F., and Harding.
 Kilgore, Lee A., and Lindbeck.
 Killian, Orvel G., and Austin.
 King, Alexander S., Jr.
 King, George E.
 Klun, Theodore P., and Tashjian.
 Kirschbaum, Herbert S.
 Kovalsky, Joseph F.
 Kroon, Reinout P.
 Kruck, Ralph E., and Grover.
 Kurlander, John H.
 Laidig, Alfred H.
 Laidig, Alfred H., and May.
 Large, William E., and Morton.

Westinghouse Electric Corporation, assignee: *See*—Continued.

Leape, Charles B., and Sattler.
 Lee, Reuben.
 Lee, Reuben, and Duffy.
 Lee, Reuben, and Hooper.
 Leeds, Winthrop M.
 Leeds, Winthrop M., and Baker.
 Leeds, Winthrop M., and Cumming.
 Leeds, Winthrop M., and Friedrich.
 Leitzel, Raymond H.
 Lenehan, Bernard E.
 Lentjes, Gerhard.
 Lincoln, Roland L.
 Lindbeck, Simon L.
 Lindstrom, Ture, and Baylis.
 Litman, Bernard.
 Lockwood, George H., and Way.
 Long, Charles H.
 Longini, Richard L.
 Ludwig, Leon R., Baker, and Cumming.
 Ludwig, Leon R., Fockler, and Formhals.
 Ludwig, Leon R., and Troncatti.
 Lum, John C.
 Lynn, Clarence.
 Macdonald, Angus A.
 MacNeill, John B.
 Madden, Harry D.
 Mahnke, Kurt, and York.
 Makenny, William.
 Marbury, Ralph E.
 Marbury, Ralph E., Owens, and Cuttino.
 Marcum, Jess I.
 Marsden, Douglas J.
 Mason, Julien J.
 May, Frederick T., and Rehberg.
 McClellan, Cyril E.
 McNall, John W., and Laidig.
 McShane, Phelan, and Renshaw.
 Mehring, Arthur C.
 Miklowitz, Julius.
 Moberly, Lawrence E.
 Moore, Raymond W.
 Morehead, Chalmers, and Gustin.
 Morse, William H.
 Morton, Eldred O.
 Mosshart, Donald J.
 Moyer, Howard R.
 Mueller, Erich O., and Gibson.
 Murcek, Slavo J.
 Narbutovskih, Paul.
 Okress, Ernest C.
 Oman, Carl.
 Pakala, William E.
 Pastoret, John E., and Morrow.
 Pegg, Edward H. R.
 Penney, Gaylord W., and Hewitt.
 Penney, James H.
 Pennow, Willis A., and Yungman.
 Petzinger, Ambrose J., and Adams.
 Poehler, Horst A., and Keene.
 Pollard, Ernest I.
 Ponstingl, John C.
 Pontius, Peter A.
 Price, Robert W.
 Puchowski, Konstanty P.
 Purifoy, George R.
 Putz, Thomas J.
 Putz, Thomas J., and Stearns.
 Rambo, Rawdon E., and Jenkins.
 Rambo, Rawdon E., and Pastoret.
 Rawlins, Herbert L., and Wallace.
 Reagan, Maurice E., and Derr.
 Redding, Arnold H.
 Reilly, Jack E.
 Renshaw, David E.
 Renshaw, David E., and Krapf.
 Rentschler, Harvey C., Lilliendahl, and Gray.
 Richardson, Henry K.
 Rider, Morgan W., and Brandt.
 Rights, Herbert T., and Toomim.
 Rigrod, William W.
 Riley, Lynn G.
 Robertson, Billy P.
 Roblee, John E.
 Rose, Herbert A.
 Roth, Willard.
 Rothfus, Elmer A.
 Runk, Robert H., and Jerabek.
 Russell, William J.
 Rustebakke, Homer M.
 Rustebakke, Homer M., and Kimball.
 Rutemiller, Oren G.
 Schaelchlin, Walter, and Curry.
 Schaelchlin, Walter, and Mahnke.
 Schuck, Raymond W.
 Schulman, Earl L.
 Schultz, Mortimer A., and Bertine.
 Sewell, Henry R., and Palmer.
 Slack, Charles M., and Dawley.
 Slack, Charles M., and Dinnick.
 Sloan, David H.
 Snyder, Frederick D.
 Sonnemann, William K., and Bostwick.

Westinghouse Electric Corporation, assignee: *See*—Continued.

Stallmann, Frederick W.
 Stanley, James K.
 Stearns, Kenneth R.
 Steed, Paul B., and Levy.
 Steele, Harold L., Jr., and McNall.
 Steele, Howard L., Jr.
 Steinert, Emil F.
 Stoltz, Glenn E.
 Strom, Albert P.
 Strom, Albert P., and Browne.
 Sullivan, Harold J., and Arnott.
 Sutherland, Carl H.
 Sutherland, Ernest E.
 Swiss, Jack, and Foster.
 Stoltz, Glenn E.
 Taliaferro, William R.
 Tanner, Elo C.
 Taylor, Charles H.
 Taylor, Owen L.
 Tercho, John V.
 Tobey, Raymond E.
 Treuthart, Robert L.
 Tubbs, Lester G.
 Tull, Robert H.
 Tull, Robert H., Tanner, and Ardito.
 Tusing, Roy S.
 Vedder, Edwin H.
 Wagner, Charles F., and Fountain.
 Wallace, James M.
 Wallace, James M., Rawlins, Cumming, and Aspey.
 Walley, Omar C.
 Watrous, Ward W., Jr.
 Way, Stewart.
 Way, Stewart, and Walsh.
 Weltman, William C., and Dixon.
 Werner, Leo C.
 Werner, Leo C., and Lund.
 West, Charles P.
 Weybrew, Thelbert L.
 White, Alfred B.
 Whitmore, James B., Makenny, and Newcombe.
 Whittaker, Charles C., and Jones.
 Wickerham, William R.
 Woodward, Foster R.
 Wrathall, Jay R.
 Young, Douglass A., Lunas, and Lenehan.
 Zambakian, Irving, and Watrous.
 Westinghouse Electric Elevator Company, assignee: *See*—
 Pegg, Edward H. R.
 Westling, Carl J., West Orange, N. J., assignor to Minerals
 and Metals Corporation, New York, N. Y. Metallurgical
 process and apparatus. 2,436,157, Feb. 17.
 Westmoreland, Bascom B., Grand Prairie, assignor to
 Ben G. Barnett, Dallas, Tex. Collapsible canopy top
 frame. 2,436,736, Feb. 24.
 Westmoreland, John L., Canton, N. C. Tractor-mounted
 buzz-saw rigging. 2,440,422, Apr. 27.
 Weston, Arthur W.: *See*—
 Suter, Chester M., and Weston.
 Weston, Arthur W., Waukegan, assignor to Abbott Labo-
 ratories, North Chicago, Ill. Preparation of gamma-
 dibutylaminopropanol. 2,437,984, Mar. 16.
 Weston, Arthur W., Waukegan, assignor to Abbott Labo-
 ratories, North Chicago, Ill. Phenyl- and phenylalkyl-
 aminomethylenepheneacetates. 2,453,478, Nov. 9.
 Weston, Bonheur M., Detroit, Mich. Conditioning refrac-
 tory for making molds and cores. 2,444,413, July 6.
 Weston, Cornelius F., Santa Monica, Calif. Wax caster.
 2,448,640, Sept. 7.
 Weston Electrical Instrument Corporation, assignee: *See*—
 De Mott, Elmer G.
 Gilbert, Roswell W.
 Lamb, Anthony H.
 Morelock, Oliver J.
 Weston, Keith A.: *See*—
 Gosmann, Enart, and Weston.
 Weston, Ralph B., Los Angeles, Calif. Compressor unit.
 2,443,286, June 15.
 West Virginia Pulp and Paper Company, assignee: *See*—
 Adams, Daniel O., and Hughey.
 Wettlaufer, John L., Toronto, Ontario, Canada. Vibra-
 tory screen. 2,453,883, Nov. 16.
 Wettlaufer, William L., Buffalo, N. Y. Therapeutic exer-
 cise table. 2,448,162, Aug. 31.
 Wetzel, Philip, Houston, Tex. Garbage can holder.
 2,448,563, Sept. 7.
 Wetzel, Roland M., Philadelphia, Pa. Racing game and
 puzzle. 2,453,290, Nov. 9.
 Weyandt, Carl S., Homer City, and E. J. Missien, Indiana,
 assignors, to Syntrom Company, Homer City, Pa. Inter-
 mittent current operated motor. 2,439,230, Apr. 6.
 Weybrew, Sydney F., St. Louis, Mo., assignor to Westing-
 house Electric Corporation, East Pittsburgh, Pa. Slip-
 indicating system for electrically propelled locomotives.
 2,436,341, Feb. 17.
 Weybrew, Thelbert L., Pittsburgh, assignor to Westing-
 house Electric Corporation, East Pittsburgh, Pa. Ther-
 mostatic regulation for engine cooling. 2,452,007, Oct.
 19.
 Weyenberg, Henry, and W. E. Tice, assignors to Holland
 Furnace Company, Holland, Mich. Incinerator.
 2,443,524, June 15.

Weyenberg, Henry, and W. R. Kimberley, assignors to
 Holland Furnace Company, Holland, Mich. Safety door
 for furnaces. 2,443,525, June 15.
 Weyenberg, Henry, and C. Quist, assignors to Holland
 Furnace Company, Holland, Mich. Tube coupling.
 2,445,702, July 20.
 Weyerhaeuser Timber Company, assignee: *See*—
 Anway, Herman W.
 Edwards, Miles L., MacBain, and Johnson.
 Hatch, Raymond S.
 Pauley, Robert D.
 Weyers, Theodor J.: *See*—
 Van der Mark, Jan, and Weyers.
 Weyerts, Walter J., and C. W. Wiederhold, assignors to
 Eastman Kodak Company, Rochester, N. Y. Latent
 image intensification with sulfur dioxide. 2,437,412,
 Mar. 9.
 Weyl, Woldemar A., State College, Pa., assignor to Ameri-
 can Optical Company, Southbridge, Mass. Forming
 glass. 2,434,303, Jan. 13.
 Weyl, Woldemar A., and H. S. Williams, State College,
 Pa., dedicated, by mesne assignments, to the People of
 the United States of America. Glass manufacture.
 2,455,719, Dec. 7.
 Weynand, Paul, San Antonio, Tex. Grinding tool.
 2,443,489, June 15.
 Whalen, Edward M.: *See*—
 Lehman, Eugene W., and Whalen.
 Whaley, Atherton M., Columbia, S. C. Fluorinated prod-
 ucts and process. 2,451,185, Oct. 12.
 Whaley, Randall M., West Lafayette, assignor to Purdue
 Research Foundation, Lafayette, Ind. Germanium-
 helium alloys and rectifiers made therefrom. 2,447,829,
 Aug. 24.
 Whaley, Thomas H., Bartlesville, Okla., assignor to
 Phillips Petroleum Company. Process for the produc-
 tion of diolefins. 2,437,773, Mar. 16.
 Whaley, William, Knoxville, Tenn. Loading machine.
 2,437,629, Mar. 9.
 Whalley, Harry, and G. Shand, Sale, England, assignors
 to General Electric Company. Electrical synchronizing
 control system. 2,444,796, July 6.
 Whalley, William B., Liverpool, England, assignor to Im-
 perial Chemical Industries Limited. Production of or-
 ganic fluorine compounds. 2,452,975, Nov. 2.
 Whann, Jesse P., and N. C. Harris, assignors to Puett
 Electrical Starting Gate Corporation, Los Angeles, Calif.
 Race starting gate. 2,435,729, Feb. 10.
 Wharam, John J.: *See*—
 Jovanovich, Milton, and Wharam.
 Roberts, Albert O., and Wharam.
 Wharam, John J., Dearborn, and P. C. Bastien, Grosse
 Pointe, assignors to Ford Motor Company, Dearborn,
 Mich. Crankcase construction. 2,440,815, May 4.
 Wharam, John J., Dearborn, and F. G. Loon, Detroit,
 assignors to Ford Motor Company, Dearborn, Mich.
 Steering linkage. 2,448,851, Sept. 7.
 Wharam, John J., Dearborn, and M. Jovanovich, Detroit,
 assignors to Ford Motor Company, Dearborn, Mich.
 Horn button construction. 2,454,242, Nov. 16.
 Wharam, John J., Dearborn, and M. Jovanovich, Detroit,
 assignors to Ford Motor Company, Dearborn, Mich.
 Concentric steering column gearshift operating mecha-
 nism. 2,455,204, Nov. 30.
 Wharton, Armistead, Thompson's Point, Vt., assignor to
 Taylor Instrument Companies, Rochester, N. Y. In-
 tegrator. 2,437,178, Mar. 2.
 Whatley, Hubert E.: *See*—
 Meredith, Frederick W., Moss, and Whatley.
 Whately, Walter R.: *See*—
 Aagaard, Leif and C., and Whately.
 Wheary, George H., Jr., assignor to Wheary, Incorporated,
 Racine, Wis. Edge guard for hand luggage. 2,438,591,
 Mar. 30.
 Wheary, Incorporated, assignee: *See*—
 Wheary, George H., Jr.
 Wheaton, Evalyn, Detroit, Mich. Overshoe seamed to
 stiffen plastic upper. 2,435,485, Feb. 3.
 Wheaton, Evalyn, Detroit, Mich. Waterproof hosiery pro-
 tector. 2,438,308, Mar. 23.
 Wheaton Brass Works, assignee: *See*—
 Krone, Howard C., and Meyer.
 Wheel Aligning Necessities, Inc., assignee: *See*—
 Castiglia, Biagio.
 Wheelco Instrument Company, assignee: *See*—
 Cohen, Theodore A.
 Wheeler, Albert H., Worcester, Mass. Game board and
 playing pieces therefor. 2,456,098, Dec. 14.
 Wheeler, Carson M.: *See*—
 Sherman, Vernon W., and Wheeler.
 Wheeler, Edward A., Chicago, Ill. Laundry machine pro-
 vided with end drain means. 2,436,536, Feb. 24.
 Wheeler, Edward A., Chicago, Ill. Peripheral drain means
 for laundry machines. 2,437,179, Mar. 2.
 Wheeler, Floyd, Huntington Beach, Calif. Carpenter's
 layout wheel. 2,451,595, Oct. 19.
 Wheeler, Frank E., assignee: *See*—
 Jesseph, William R.
 Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne
 assignments, to Hazeltine Research, Inc., Chicago, Ill.
 Phase-selective variable-frequency oscillatory system.
 2,438,197, Mar. 23.

- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-guide system. 2,438,795, Mar. 30.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Arrangement for conducting heat and high-frequency currents. 2,439,641, Apr. 13.
- Wheeler, Harold A., assignor to R. J. Scheffler, Grand Rapids, Mich. Thermostatic air circulation control. 2,447,723, Aug. 24.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Unitary balanced-inductor system. 2,451,596, Oct. 19.
- Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device and system. 2,453,170, Nov. 9.
- Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device. 2,453,171, Nov. 9.
- Wheeler, Harold A., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control device and system. 2,453,654, Nov. 9.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. High-frequency energy leakage suppressor. 2,456,803, Dec. 21.
- Wheeler, Harold B., Berwyn, assignor of one-half to A. G. McCaleb, Evanston, Ill. Highway warning signal. 2,457,512, Dec. 28.
- Wheeler, Harold E., Chicago, Ill. Evaporator construction. 2,449,094, Sept. 14.
- Wheeler, Harold E., Chicago, and David A. Forberg, Des Plaines, Ill. Food locker. 2,437,215, Mar. 2.
- Wheeler, Harold R., and J. A. Kofalt, Harrisburg, Pa. Recording liquid dispenser. 2,455,962, Dec. 14.
- Wheeler, Harry K., Jr., and R. J. Hengstebeck, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion systems employing fluidized solids. 2,449,095, Sept. 14.
- Wheeler, Harry K., Jr., assignor to Standard Oil Company, Chicago, Ill. Power recovery from catalytic conversion systems employing fluidized solids. 2,449,096, Sept. 14.
- Wheeler, Harry N., assignor to Dual Valve Company, Birmingham, Ala., a co-partnership composed of H. N. Wheeler and O. Somerville. Dual fire valve. 2,445,547, July 20.
- Wheeler, Jonathan C., Dayton, Ohio. Toy cannon. 2,449,432, Sept. 14.
- Wheeler, Phillip R., Alexandria, Va. Electrical gun sight control. 2,455,963, Dec. 14.
- Wheeler, William H., New York, N. Y. Lever operated tiltable receptacle structure. 2,444,125, June 29.
- Wheeler, William N., Paris, Ky. Eye opening and closing mechanism for dolls. 2,455,104, Nov. 30.
- Wheeler, William R.: *See—*
Cislak, Francis E., and Wheeler.
- Wheeler, William R., Plainfield, N. J., assignor to Bakelite Corporation. Annealing of calendared thermoplastic material. 2,451,597, Oct. 19.
- Wheeling Furnace Corporation, assignee: *See—*
Fair, Richard C.
- Wheeling Stamping Company, assignee: *See—*
McGinnis, Archibald B.
- Wheeler, William H.
- Wheeling Steel Corporation, assignee: *See—*
Mack, Wayne E.
- Wheelock and Cummins, Inc., assignee: *See—*
Carter, Russell W.
- Wheelock, Juanita K., Pleasant Ridge, Mich. Cabinet having combined slidable top and drawers. 2,449,433, Sept. 14.
- Wheelock, Kenneth M., Alexandria, Va. Watch mounting. 2,442,912, June 8.
- Whelon, Orville A.: *See—*
Adams, Harold W., and Whelon.
- Whelan, Alma E., assignee: *See—*
Whelan, Charles M.
- Whelan, Charles M., assignor of one-half to A. E. Whelan, Altadena, Calif. Lock controlled switch. 2,450,819, Oct. 5.
- Wheler, John R., Toronto, Ontario, Canada. Bicycle. 2,446,731, Aug. 10.
- Wherry, George W., Chicago, Ill. Pencil gripper. 2,443,571, June 15.
- Wherry, Isaac M., Evansville, Ind., assignor to International Harvester Company. Refrigerating apparatus. 2,454,727, Nov. 23.
- Whetstone, John: *See—*
Taylor, James, and Whetstone.
- Whetstone, John, West Kilbride, and J. Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Compositions suitable for use as gas and power producing liquids. 2,455,205, Nov. 30.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Accelerated curing of phenol-formaldehyde resins to the infusible state with 3,5-xylolol. 2,441,860, May 18.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Derivatives of polymeric allyl-type alcohols. 2,445,652, July 20.
- Whewell, Emma: *See—*
Speakman, John B., and Whewell.
- Whewell, Robert, New Bedford, Mass., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Producing fabric having pick-and-pick pattern effects. 2,448,201, Aug. 31.
- Whidden, Glen S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Modulating system. 2,443,088, June 8.
- Whiffen, Richard E., Hammon, N. J. Combination brake pedal and throttle. 2,453,054, Nov. 2.
- Whipple, Jack V., and A. B. C. Palazzo, New York, N. Y. Toy bombing game. 2,452,817, Nov. 2.
- Whipple, Leon V., Berkeley, Mich., assignor to Eureka Williams Corporation. Hand signal discharger. 2,453,884, Nov. 16.
- Whisman, Orville C., assignee: *See—*
Johnson, Ervin G.
- Whisnant, Phyllis O., New York, N. Y. Garment. 2,445,096, July 13.
- Whitaker, Alvin C.: *See—*
Hervey, Laurence R. B., and Whitaker.
- Whitaker, Arthur C.: *See—*
Hass, Henry B., and Whitaker.
- Whitaker, Arthur C., Oakmont, Pa., and W. W. Weinrich, Bartlesville, Okla., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrogenated polyalkylated phenol. 2,443,015, June 8.
- Whitaker, Charley L., Madera, Calif. Micrometer. 2,443,126, June 8.
- Whitaker, Joseph S.: *See—*
Skow, Norman A., Seiler, Oriani, and Whitaker.
- Whitbeck, Roland A., assignee: *See—*
Orozco, Golbert H.
- Whitbread, Samuel A., assignor to Anthony Louison, Sydney, New South Wales, Australia. Animal trap. 2,450,536, Oct. 5.
- Whitcomb, Forrest R., Worcester, Mass. Roll adjusting mechanism. 2,452,976, Nov. 2.
- White, Albert H., Washington, D. C. Artificial tooth. 2,449,522, Sept. 14.
- White, Albert B., Glendale, Calif. Oil-refining foldable pack. 2,453,952, Nov. 16.
- White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,443,671, June 22.
- White, Alfred C., Lowell, Mass. Form for concrete work. 2,443,846, June 22.
- White, Blanche B.: *See—*
Seymour, George W., White, and Barabash.
- White Cap Company, assignee: *See—*
Krueger, Ernest A.
- White Castle System, Inc., assignee: *See—*
Ingram, Edgar W., Sr.
- White, Charles E., Ashburnham, assignor, by mesne assignments, to Van Norman Company, Springfield, Mass. Contour grinding machine for work pieces each having a hollow spherical section. 2,451,137, Oct. 12.
- White, Charles E., Salamanca, N. Y. Nasal applicator. 2,445,653, July 20.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Fertilizer distributor. 2,436,132, Feb. 17.
- White, Charles S.: *See—*
Kline, John E., Peden, and White.
- Sabee, Reinhardt N., and White.
- White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Hardening type gasket cement containing polyvinyl butyral and polyvinyl acetate. 2,443,998, June 22.
- White, Clarence: *See—*
Mason, John B., and White.
- White, Clarence A.: *See—*
Haws, James C., and White.
- White, Claron N.: *See—*
Rhodes, Herbert D., Rouault, and White.
- White, Eber B., assignor to The Studebaker Corporation, South Bend, Ind. Steering device. 2,437,575, Mar. 9.
- White, Edmund B., Quincy, Mass. Device to open containers. 2,436,133, Feb. 17.
- White, Edward A., Lewiston, Idaho. Machine for conveying and assorting fruit according to weight. 2,442,521, June 1.
- White, Ellis R., Albany, assignor to Shell Development Company, San Francisco, Calif. Soap compositions. 2,435,333, Feb. 3.
- White, Ellis R., Berkeley, and D. Harman, Albany, assignors to Shell Development Company, San Francisco, Calif. Synthetic grease. 2,451,895, Oct. 19.
- White, Elvin E., Tempe, Ariz. Rock shearing machine. 2,452,706, Nov. 2.
- White, Emory O., Albertville, Ala. Furnace stoker. 2,457,423, Dec. 28.
- White, Eric L. C., Iver, M. G. Harker, Pinner, and J. P. W. Houchin, Burnham, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England. Electrical motor control system. 2,456,573, Dec. 14.
- White, Ernest T., Jackson Heights, and R. C. Robinson, New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Rust-inhibiting greases. 2,450,321, Sept. 28.
- White, Erven, R. Steinman, and L. P. Biefeld, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Glass fiber reinforced plastics. 2,446,119, July 27.

- White, Francis T., and A. J. Daly, Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Catalytic polymerisation of methyl methacrylate. 2,440,318, Apr. 27.
- White, Gertrude K., Philadelphia, Pa. Baby strap. 2,451,007, Oct. 12.
- White, Gifford E.: *See—*
Hammond, Edmund B., Jr., and White.
- White, Gifford E., Hempstead, D. J. Campbell, Richmond Hill, A. A. Hauser, Garden City, and T. R. Greene, Hempstead, N. Y., assignors to The Sperry Corporation. Apparatus for determining fuze setting data. 2,442,792, June 8.
- White, Gifford E., Hempstead, and M. Relson, Kew Gardens, N. Y., assignors to The Sperry Corporation. Alternating current rate circuits. 2,446,567, Aug. 10.
- White, Harold A., Aylmer, Ontario, Canada. Bottle opener. 2,447,381, Aug. 17.
- White, Harry J., Cambridge, Mass., assignor of one-half to Research Corporation, New York, N. Y., and one-half to Western Precipitation Corporation, Los Angeles, Calif. Charging suspended particles. 2,440,455, Apr. 27.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Converter for suction cleaners. 2,450,846, Oct. 5.
- White, Henry G.: *See—*
Smith, Walter F., and White.
- White, Ira M., Walnut Creek, and H. E. Nelson, assignors to The Pelton Water Wheel Company, San Francisco, Calif. Turbine seal. 2,453,055, Nov. 2.
- White, J. Samuel, & Company Limited, assignee: *See—*
Spiller, Herbert O.
- White, James C., Richmond, Ky. Double adjustment wrench having thread and rack adjustments. 2,444,686, July 6.
- White, Jesse M., Philadelphia, Pa. Forming and assembling connecting sleeves. 2,457,796, Dec. 28.
- White, Jesse O.: *See—*
Bren, Bozetch C., and White.
- White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetylene tetramethacrylate and polymers thereof. 2,456,759, Dec. 21.
- White, John F.: *See—*
White, Le Roy J., and J. F.
- White, John L., Dallas, Tex. Cutting tool. 2,454,728, Nov. 23.
- White, Jonathan W., Jr.: *See—*
Naghschi, Joseph, White, and Hoover.
- White Laboratories, Incorporated, assignee: *See—*
Sondern, Clarence W., and Breivogel.
- White, Le Roy J., and J. F., Wilmington, Del. Hose handling apparatus. 2,451,368, Oct. 12.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Method of and apparatus for dispensing liquefied petroleum gas. 2,436,781, Feb. 24.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Valve unit for liquefied petroleum gas systems. 2,442,156, May 25.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Liquefied gas dispensing system. 2,449,350, Sept. 14.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Method of and apparatus for dispensing liquefied petroleum gas. 2,449,351, Sept. 14.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Liquefied gas storage and dispensing system. 2,449,352, Sept. 14.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Vaporizer for two-stage liquefied petroleum gas dispensing systems. 2,451,309, Oct. 12.
- White, Mayfield C., New York, N. Y. Adjustable hose holder. 2,439,642, Apr. 13.
- White Metal Awning Company, assignee: *See—*
Perry, Cam R., and McCormack.
- White, Nelson J., and J. S. Graham, Washington, Pa. Bailer. 2,436,737, Feb. 24.
- White, Norman W., Salem, Mass. Tree holder device. 2,444,390, June 29.
- White, Paul V.: *See—*
Bennett, Charles E., and White.
- White, Pauline A. and P., Long Ridge, N. Y. Exerciser. 2,453,771, Nov. 16.
- White, Percival: *See—*
White, Pauline A. and P.
- White, Ralph V.: *See—*
Fuller, Everett W., White, and Story.
- Snyder, George H. S., White, Bishop, and Socolofsky.
- White, Ray T., Rocky River, assignor to The Hawkins Container Company, Cleveland, Ohio. Lamp bulb package. 2,443,810, June 22.
- White, Raymond J., Longview, Tex. Supporting step. 2,437,012, Mar. 2.
- White, Robert, assignor to Williams & Wilson Limited, Montreal, Quebec, Canada. Paper roll heading machine. 2,448,478, Aug. 31.
- White, S. S., Dental Manufacturing Company, assignee: *See—*
Angell, Robert C.
- White Sewing Machine Corporation, assignee: *See—*
Hohmann, Richard K.
- White, Sidney Y., deceased, Wilmette, assignor to V. S. Johnson, Chicago, Ill.; A. Thomson, administrator. Electrical condenser. 2,438,592, Mar. '30.
- White, Sidney Y., Wilmette, assignor to V. S. Johnson, Chicago, Ill.; A. Thomson, administrator of said V. S. Johnson, deceased. Variable inductance tuner. 2,451,643, Oct. 19.
- White, Vernon T., assignee, et al.: *See—*
Haight, Clarence R.
- White, Virginia A., executrix: *See—*
Mason, John E., and White.
- White, Walter C., Los Angeles, Calif. Truss pad. 2,442,793, June 8.
- White, Walter T., and D. H. Courter, Hempstead, assignors to Sperry Gyroscope Company, Inc., New York, N. Y. Limit stop apparatus. 2,434,680, Jan. 20.
- White, Walter T., Hempstead, and H. Harris, Jr., Cedarhurst, N. Y., assignors to The Sperry Corporation. System for reproducing angular motion at a distance. 2,441,175, May 11.
- White, William: *See—*
Parra, Joseph, and White.
- White, William S., Denver, Colo. Safety device for fluid supply lines. 2,449,573, Sept. 21.
- Whitehall Publishing Company, assignee: *See—*
Nudelman, Eoina.
- Whitehead Bros. Rubber Company, The, assignee: *See—*
Barnard, Harold.
- Whitehead, Charles R.: *See—*
Barrett, Charles D., and Whitehead.
- Whitehead, Donald E., New York, N. Y. Core manufacture. 2,435,858, Feb. 10.
- Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Carton for vacuum bottle fillers. 2,438,879, Mar. 30.
- Whitehead, Grover F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas supply manifold assembly for gas ranges. 2,450,744, Oct. 5.
- Whitehead, Richard H., assignor to The New Haven Clock and Watch Company, New Haven, Conn. Expansible bracelet. 2,434,729, Jan. 20.
- Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Time fuse. 2,453,479, Nov. 9.
- Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Bore safety device for time fuses. 2,453,682, Nov. 9.
- Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Time fuse. 2,453,822, Nov. 16.
- Whitehead, Richard K., Atlanta, Ga. Separator shield. 2,453,353, Nov. 9.
- Whitehead, Willard J., assignor to Woodward Governor Company, Rockford, Ill. Governor control for prime movers. 2,452,088, Oct. 26.
- Whitehead, William A., Fulwood, Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing machine. 2,444,547, July 6.
- Whitehill, Lynwood N.: *See—*
Barker, Robert S., and Whitehill.
- Whitehouse, Herbert G., Tipton, England. Universal joint coupling. 2,439,231, Apr. 6.
- Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Roof covering. 2,434,185, Jan. 6.
- Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Roof structure. 2,438,099, Mar. 16.
- Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Areaway wall. 2,453,609, Nov. 9.
- Whitehurst, Graham, Glendale. V. E. Slater, Los Angeles, G. F. Bruno, Montebello, and J. M. Hubbard, and G. P. Krawitz, Los Angeles, Calif. Truck loader. 2,451,138, Oct. 12.
- Whiteley, Arlie E., Los Angeles, assignor of one-half to J. J. Capitan, East Los Angeles, Calif. Dispenser for rolled sheet material. 2,450,496, Oct. 5.
- Whiteman, George W., Pittsburgh, Pa. Rod line shackle. 2,444,214, June 29.
- Whitener, Ernest K., Gastonia, T. G. Gilreath, Belmont, L. A. Saunders, Stanley, and J. S. Elmore, Belmont, N. C. Spool ejecting and sizing mechanism for winding machines. 2,442,157, May 25.
- Whiteside, John W.: *See—*
Gould, Louis P., and Whiteside.
- Whiteside, Robert S., Scarsdale, and P. V. Kolb, Rye, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Flour-enriching composition. 2,444,215, June 29.
- Whitfield, Joseph E., Hamilton, Ohio. Composite metal article. 2,442,254, May 25.
- Whitfield, Joseph E., Hamilton, Ohio. Fluid motor operated valve. 2,444,391, June 29.
- Whitfield, Marshall G., Garden City, assignor, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Manufacture of bimetallic articles. 2,435,991, Feb. 17.
- Whitfield, Marshall G., and V. Sheshunoff, Garden City, assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Aluminum coating process. 2,453,772, Nov. 16.
- Whitfield, Marshall G., and V. Sheshunoff, Garden City, assignors, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Coated metal article. 2,455,457, Dec. 7.

- Whitfield, Matthew, Erlanger, Ky. Combined shade and curtain bracket and Venetian blind holder. 2,434,252, Jan. 13.
- Whitfield, William R., Ames, Iowa. Nest structure. 2,448,202, Aug. 31.
- Whitham, Glenn E.: *See*—
Hite, George, and Whitham.
- Whitin Machine Works, assignee: *See*—
Crockett, Frank L.
Hargreaves, Robert, and Roy.
Schlums, Otto W.
Worth, Arthur A.
- Whiting Corporation, assignee: *See*—
Metcalf, Irving R.
Rothenberger, George M.
Skinner, Asa W.
- Whiting, John A., and D. V. Whitney, Jr., Kansas City, Mo., assignors to Armour and Company, Chicago, Ill. Anthelmintic compositions. 2,439,532, Apr. 13.
- Whiting, Stanley H.: *See*—
Beardsley, Alling P., and Whiting.
Kruppa, William J., Beardsley, and Whiting.
- Whitlock, Claude J., San Bernardino, Calif. Amalgamator with preliminary slime. 2,435,812, Feb. 10.
- Whitlock, Raymond C., San Francisco, Calif. Chain saw. 2,447,298, Aug. 17.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process. 2,443,016, June 8.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylation of cyclic unsaturated hydrocarbons using alkali metal catalyst. 2,448,641, Sept. 7.
- Whitman, Hyman L., East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear and corrective sole therefor. 2,446,448, Aug. 3.
- Whitman, Hyman L., East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Arch support member. 2,446,449, Aug. 3.
- Whitman, John E., Bremerton, Wash. Garment hanger. 2,435,859, Feb. 10.
- Whitman, Lawrence C., Pittsfield, Mass., assignor to General Electric Company. Electrical induction apparatus. 2,447,883, Aug. 24.
- Whitman, Lawrence C., Pittsfield, Mass., assignor to General Electric Company. Combination coil support and spacer. 2,449,434, Sept. 14.
- Whitmore, Henry G., Newburyport, assignor to Samuel C. Brody, Newton Centre, Mass. Hole locating and drilling device. 2,435,256, Feb. 3.
- Whitmore, James B., Bloomfield, W. Makenny, Mountain View, and E. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic molding press. 2,454,362, Nov. 23.
- Whitmore, John M.: *See*—
Burns, John R., and Whitmore.
- Whitmore, Paul G.: *See*—
Pittman, Ralph R., and Whitmore.
- Whitmore, Robert E., Keokuk, Iowa. Door latch. 2,449,353, Sept. 14.
- Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Bleaching cellulose textile fibers. 2,438,100, Mar. 16.
- Whitner, Thomas C., Elizabeth, N. J., assignor to Standard Oil Development Company. Cellulose compound containing a plasticizer formed from a diolefin and formaldehyde. 2,443,409, June 15.
- Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Modifying cellulose textiles with an alkylolamine-copper complex. 2,446,882, Aug. 10.
- Whitney Blake Company, The, assignee: *See*—
Sperzel, Robert H.
- Whitney Chain & Mfg. Co., The, assignee: *See*—
Salfyrd, Richard L.
- Whitney, Charles A.: *See*—
Fox, Raymond S., and Whitney.
- Whitney, Clarence G., Camden, N. J. Playing cards. 2,457,020, Dec. 21.
- Whitney, David V., Jr.: *See*—
Whiting, John A., and Whitney.
- Whitney, Elliott M.: *See*—
Jacobson, Abraham W., and Whitney.
- Whitney, Frances, Weston, Mass. Headdress. 2,456,352, Dec. 14.
- Whitney, Paul V., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Conveyor. 2,438,083, Mar. 16.
- Whitney, Paul V., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Endless conveyor, including movable cut-off and culling means in its feed structure. 2,456,760, Dec. 21.
- Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,438,427, Mar. 23.
- Whitson, Mercer L., Norfolk, and H. F. Collette, Portsmouth, Va. Expanding mandrel. 2,437,718, Mar. 16.
- Whittaker, Charles C., and R. C. Jones, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torpedo control switch. 2,442,030, May 25.
- Whittaker, Henry C., Memphis, Tenn. Hair curling device. 2,435,664, Feb. 10.
- Whittaker, James L., Princeton, N. J., assignor to Radio Corporation of America. Three-dimensional oscillograph system. 2,455,456, Dec. 7.
- Whittall, Henry C., assignor of twenty-four per cent to H. G. Geltz, Oakland, twenty-four per cent to W. H. Kassebohm, and twenty-four per cent to T. H. Harvey, Berkeley, Calif. Tumblerless safe. 2,446,732, Aug. 10.
- Whittmore, A. J., & Sons, Inc., assignee: *See*—
Whittmore, Robert Y.
- Whittmore, Leslie E., Dorchester, Mass. Telescope sight mount for shoulder arms. 2,451,266, Oct. 12.
- Whittmore, Robert Y., assignor to A. J. Whittmore & Sons, Inc., Burlington, N. C. Machine for making protective sleeves. 2,448,940, Sept. 7.
- Whittmore, Winthrop C., Port Washington, assignor to The Dentists' Supply Company of New York, New York, N. Y. Form selector for denture prosthesis. 2,449,435, Sept. 14.
- Whittenberg, Delmer, Muskogee, Okla. Heated form for progressively casting clay walls in place. 2,442,738, June 1.
- Whittier, Elmer S., Bristol, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Thermometer. 2,447,382, Aug. 17.
- Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Tubing connections. 2,453,391, Nov. 9.
- Whittington, Arthur V., assignee: *See*—
Schmidt, John G.
- Whittington, William P., Indianapolis, Ind. Sewage lift. 2,434,027, Jan. 6.
- Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Cooling means for internal-combustion turbine wheels of jet propulsion engines. 2,434,134, Jan. 6.
- Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Centrifugal compressor. 2,438,426, Mar. 23.
- Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Thrust augmenting device for a system for developing propulsive thrust. 2,455,458, Dec. 7.
- Whittle, William S., University Heights, assignor to The Ferro Engineering Company, Cleveland, Ohio. Slurry mixer. 2,436,626, Feb. 24.
- Whitworth, W. G. A., Sir, Aircraft Limited, assignee: *See*—
Fisher, Mark.
- Whytaw, Graeme G., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying wound packages. 2,454,854, Nov. 30.
- Wiancko, Thomas H.: *See*—
Biot, Maurice A., and Wiancko.
- Wiberg, Oscar A., Finspong, Sweden. Fluid inlet pipe for radial flow elastic fluid turbines. 2,443,879, June 22.
- Wick, Quintin J., Highland, Ill. Flame-heater cathode tube. 2,437,576, Mar. 9.
- Wickenden, Leonard: *See*—
Naugle, John J., and Wickenden.
- Wickenden, Leonard, Manhasset, N. Y. Activated carbon products. 2,448,337, Aug. 31.
- Wicker, Dan B., Dunbar, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Production of alkali metal and alkaline earth metal hydroxides. 2,439,404, Apr. 13.
- Wicker, Dan B., Dunbar, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Spinneret. 2,447,994, Aug. 24.
- Wickerham, Lynferd J.: *See*—
Tanner, Fred W., Jr., Wickerham, and Van Lanen.
- Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current hoist control. 2,440,319, Apr. 27.
- Wickersham, Marshall E., and W. D. Allison, Detroit, Mich. Multiaxle vehicle. 2,446,205, Aug. 3.
- Wickes Bros., assignee: *See*—
Floeter, Frederick S.
- Wickesser, Arthur, St. Albans, assignor to The Liquidometer Corporation, Long Island City, N. Y. Resistance transmitter. 2,442,630, June 1.
- Wickman, Axel C., Coventry, England. Machine for grinding toothed gear wheels and analogous bodies. 2,443,410, June 15.
- Wickman, Axel C., Coventry, England. Machine for grinding toothed gear wheels and the like. 2,449,354, Sept. 14.
- Wickman, Wiley W., Los Angeles, Calif. Rotary abrading device. 2,452,409, Oct. 26.
- Wicks, Gerald C., New York, N. Y. Electric heater. Re. 23,047, Oct. 26.
- Wickstrom, Gustav J.: *See*—
Wagner, Herbert W., and Wickstrom.
- Wickwire, Arthur M., Mountain Lakes, N. J., and H. J. Zimmermann, Canton, Ohio, assignors, by mesne assignments, to Automatic Steel Products, Inc. Mercury clutch. 2,452,008, Oct. 19.
- Wickwire Brothers, Inc., assignee: *See*—
Wickwire, Charles C.
- Wickwire, Charles C., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Art of welding wire-mesh fabrics. 2,451,423, Oct. 12.
- Wickwire, Charles C., assignor to Wickwire Brothers, Inc., Cortland, N. Y. Welder for wire mesh fabrics. 2,455,346, Nov. 30.

- Wickwire, Hedge, assignee, et al.: *See*—
Wickwire, Theodore H., Jr.
- Wickwire, Roma A., assignee, et al.: *See*—
Wickwire, Theodore H., Jr.
- Wickwire, Sophie H., assignee, et al.: *See*—
Wickwire, Theodore H., Jr.
- Wickwire, Theodore H., Jr., Ardmore, assignor to T. H. Wickwire, Jr., S. H. Wickwire, R. A. Wickwire, and H. Wickwire, co-partners doing business as Theowick Company, Philadelphia, Pa. Fabricating welded wire fabric. 2,448,941, Sept. 7.
- Wico Electric Company, assignee: *See*—
Alstrom, Albert I.
Alstrom, Albert I., and Brownlee.
Brownlee, Allen L.
Harmon, Kenneth A.
- Wiczer, Sol B., Washington, D. C. Antiknock motor fuel. 2,447,926, Aug. 24.
- Widakowich, Marius H. W., Stocksund, Sweden. Periodic circuit breaker with a liquid conductor particularly for contact current changers. 2,444,687, July 6.
- Widdowson, Albert H.: *See*—
Holmes, Henry H., and Widdowson.
- Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Corrosion inhibitors in refrigeration system. 2,457,334, Dec. 28.
- Widen, Gunnar G., and R. J. Helgerud, Minneapolis, Minn., assignors to General Mills, Inc. Gear tester. 2,447,445, Aug. 17.
- Widen, Olof E., Ljungsbro, Sweden. Removing the non-desirable taste-improving organic substances contained in cocoa berries. 2,441,861, May 18.
- Widerstedt, Alfred W.: *See*—
Christian, Rodney E., and Widerstedt.
- Widin, Edgar F., assignee: *See*—
Garros, Michael.
- Widmer, Gustav, Basel, and W. Fisch, Binningen, Switzerland, assignors to Ciba Products Corporation, Hoboken, N. J. Aminotriazine-aldehyde condensation products with linolenic acid monoglyceride and making same. 2,448,338, Aug. 31.
- Widmer, Gustave, Basel, and W. Hertner, Pratteln, assignors to Ciba Limited, Basel, Switzerland. Glue composition containing vetch seed meal. 2,451,186, Oct. 12.
- Widmer, Gustav, and T. Sutter, Basel, W. Fisch, Binningen, and E. Hochuli, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Aldehyde condensation products of aminotriazines and the manufacture thereof. 2,454,495, Nov. 23.
- Widmer, Willy: *See*—
Straub, Fritz, Widmer, and Schneider.
- Widmer, Willy, Böttingen, Switzerland, assignor to Ciba Limited. Chromed monoazo compound. 2,456,230, Dec. 14.
- Wiede, Carl E., Wichita, Kans. Necktie accessory. 2,444,548, July 6.
- Wiedenhoef, Arthur E., Glen Ellyn, Ill. Lighting fixture. 2,454,243, Nov. 16.
- Wiederhold, Charles W.: *See*—
Weyerts, Walter J., and Wiederhold.
- Wiederrick, John R., assignee: *See*—
Wade, Stanley M.
- Wiegand, Edwin L., Rye, N. Y., assignor to Orefraction Incorporated, Pittsburgh, Pa. Hydraulic classifier employing vertical and vortical currents. 2,442,522, June 1.
- Wiegand, Edwin L., Company, assignee: *See*—
Temple, Sidney J.
- Wiegand, William B., Old Greenwich, Conn., and H. A. Braendle, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Apparatus for manufacture of carbon black. 2,440,423, Apr. 27.
- Wiegand, William B., Old Greenwich, Conn., and H. A. Braendle, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,440,424, Apr. 27.
- Wiegel, Otto, Chicago, Ill. Drill rod rack. 2,452,410, Oct. 26.
- Wiegerink, James G., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Microporous roll for drying continuous filaments. 2,436,028, Feb. 17.
- Wiegiers, Irvin E., Overland, Mo. Temperature control system. 2,436,275, Feb. 17.
- Wiegiers, Irvin E., Overland, Mo. Regulating device. 2,440,034, Apr. 20.
- Wiegiers, Irvin E., Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure brake system for tractor-trailer vehicles. 2,441,050, May 4.
- Wiegman, Clarence H., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Lubricating system for internal-combustion engines. 2,440,883, May 4.
- Wieland, Louis A., Pittsburgh, Pa. Hacksaw. 2,448,286, Aug. 31.
- Wieland, Roy, San Francisco, Calif. Machine for bending edges of sheet metal plates. 2,434,028, Jan. 6.
- Wiemer, Howard C., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,440,625, Apr. 27.
- Wienke, Emil J., Glen Ellyn, assignor to Motiograph, Chicago, Ill. Tension shoe mounting for projectors. 2,455,206, Nov. 30.
- Wienke, Norman B.: *See*—
Hornbrook, Lester H., Jr., Wienke, and Cullman.
- Wiefert, George D., Branford, assignor to The Meriam Manufacturing Company, Durham, Conn. Making box-like containers. 2,445,548, July 20.
- Wier, Lloyd D., East Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic conversion of hydrocarbons. 2,447,149, Aug. 17.
- Wier, Thomas P., Jr., Berkeley, Calif., and F. H. Hurley, Portland, Oreg., assignors to The William Marsh Rice Institute for the Advancement of Literature, Science and Art. Electrodeposition of aluminum. 2,446,349, Aug. 3.
- Wier, Thomas P., Jr., Berkeley, Calif., assignor to The William Marsh Rice Institute for the Advancement of Literature, Science and Art. Electrodeposition of aluminum. 2,446,350, Aug. 3.
- Wiertz, Anthony P., Dayton, Ohio. Airplane landing gear. 2,436,240, Feb. 17.
- Wieseman, Theodore R., assignor to The Louis Allis Company, Milwaukee, Wis. Rotor for electric motors and making the same. 2,454,955, Nov. 30.
- Wiesendanger, Fritz, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Governing arrangement with servomotor. 2,439,325, Apr. 6.
- Wiesendanger, Fritz, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Temperature regulated cooling circuit. 2,457,618, Dec. 28.
- Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Wire distributing apparatus. 2,445,197, July 13.
- Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Wire distributing system. 2,445,198, July 13.
- Wiesner, Frank W., and A. Coulter, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus and method of stretch pressing metal sheets. 2,434,379, Jan. 13.
- Wiesner, Jerome B.: *See*—
Smullin, Louis D., and Wiesner.
- Wigen, Louis, assignee, et al.: *See*—
Cruikshank, Ross T.
- Wiggins, John H., Chicago, Ill. Balancer or leveling mechanism for gasholders. 2,457,762, Dec. 28.
- Wiggins, John H., Chicago, Ill. Condensate drainage mechanism for fluid storage apparatus. 2,457,763, Dec. 28.
- Wiggins, Leonard A., Akron, Ohio. Oxygen demand regulator. 2,441,216, May 11.
- Wight, Kent M.: *See*—
Starkey, Robert L., and Wight.
- Wight, Sedgwick N.: *See*—
Field, Oscar S., and Wight.
- Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Coupling. 2,435,112, Jan. 27.
- Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Rotatable electrical device. 2,447,383, Aug. 17.
- Wigton, Paul L., Denver, Colo. Sedimentation apparatus. 2,457,191, Dec. 28.
- Wihanto, Adolph K., Malden, Mass. Adjustable lever-effecting self-cleaning ignition point. 2,435,914, Feb. 10.
- Wiken, Christy A., and E. A. Reibig, Milwaukee, Wis., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Universal work head. 2,452,089, Oct. 26.
- Wikmark, Elsa H. C., Stockholm, Sweden. Bed equipment. 2,449,758, Sept. 21.
- Wikstrom, Oskar W., assignee: *See*—
Gregoire, Horace W.
- Wilbe Research Corporation, assignee: *See*—
Kaplan, William.
- Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.
- Wilburn, Frank, Burbank, Calif. Tuner. 2,448,642, Sept. 7.
- Wilcock, Donald F., Marblehead, Mass., assignor to General Electric Company. Lubricated bearing. 2,449,574, Sept. 21.
- Wilcolator Company, The, assignee: *See*—
Graves, Theodore E.
- Wilcox, Bertram H., Redwood City, Calif. Brush receptacle and suspending bracket. 2,439,837, Apr. 20.
- Wilcox, Edward J., Lakewood, N. Y. Bedrail pin. 2,450,820, Oct. 5.
- Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.
Gay, Paul S.
Whidden, Glen S.
- Wilcox, James R., Jewell, assignor of one-half to C. A. Furman, Hamilton County, Iowa. Planter and operating the same. 2,442,523, June 1.
- Wilcox, James R., assignor of one-half to C. A. Furman, Jewell, Iowa. Planter and operating the same. 2,442,794, June 8.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Method and means for making nut blanks or the like. 2,436,342, Feb. 17.
- Wilcox, Thomas W., Kenton, England, assignor to General Electric Company. Electric circuit breaker. 2,440,995, May 4.
- Wilcoxon, Kenneth H., Cabin John, Md. Paper joining machine. 2,435,376, Feb. 3.

- Wild-Barfield Electric Furnaces Limited, assignee: *See*—Haywood, Frederick W., and Laidler.
- Wild, Heinrich, Kuttigen, assignor to the firm Kern & Co. A. G., Aarau, Switzerland. Stand with an adjustable reception-plate capable of being tipped over in every direction. 2,439,194, Apr. 6.
- Wild, Rudolf E., Philadelphia County, assignor to The Brown Instrument Company, Philadelphia, Pa. Electrical harmonic rebalancing apparatus. 2,448,065, Aug. 31.
- Wild, Rudolf F., assignor to The Brown Instrument Company, Philadelphia, Pa. Safe failure measuring and controlling apparatus. 2,452,023, Oct. 19.
- Wild, Rudolf F., and F. J. Curran, assignors to The Brown Instrument Company, Philadelphia, Pa. Apparatus for sequentially keying and connecting a plurality of oscillators to a common output circuit. 2,457,790, Dec. 28.
- Wild, Rudolf F., assignor to The Brown Instrument Company, Philadelphia, Pa. Safe failure measuring and controlling apparatus. 2,457,791, Dec. 28.
- Wild, Rudolf F., Philadelphia, Pa., and L. B. Cherry, Abilene, Tex., assignors to The Brown Instrument Company, Philadelphia, Pa. Antihunting motor control circuit. 2,457,792, Dec. 28.
- Wilde, Arthur, assignee, et al.: *See*—Groves, Martin V.
- Wilde, Frederick G.: *See*—Sullivan, Harry H. and W. L., and Wilde.
- Wilde, Raymond A., Everett, Wash. Shingle finishing machine. 2,440,994, May 4.
- Wilde, Robert L., Englewood, Colo. Vibrator for use in connection with concrete. 2,454,620, Nov. 23.
- Wilder, Agnes S., executrix: *See*—Wilder, Reuben M.
- Wilder, Coleman D.: *See*—McCombie, Horace R., and Wilder.
- Wilder, Edward A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Cane wax production. 2,456,661, Dec. 21.
- Wilder, Frank W.: *See*—Scribner, Allison K., and Wilder.
- Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Start-stop electronic regenerative repeater. 2,435,257, Feb. 3.
- Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph signal impulse measuring device. 2,435,258, Feb. 3.
- Wilder, Harold F., Wyckoff, N. J., and A. W. Breyfogel, Howard Beach, assignors to The Western Union Telegraph Company, New York, N. Y. Frequency control apparatus. 2,435,259, Feb. 3.
- Wilder, James W. S., Levelland, Tex. Locking spider for wall switches and the like. 2,451,267, Oct. 12.
- Wilder, Lot S.: *See*—Vittum, Paul W., Weissberger, and Wilder.
- Wilder, Reuben M., deceased, Hayward, Calif.; A. S. Wilder, executrix. Operating mechanism for overhead opening doors. 2,440,561, Apr. 27.
- Wilder, Warren, and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled machine tool. 2,447,446, Aug. 17.
- Widders, George, Kegworth, and J. E. Lynam, Mapperley, Nottingham, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Knitting machine. 2,446,862, Aug. 10.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Variable leverage gearing. 2,436,276, Feb. 17.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing face clutches. 2,437,902, Mar. 16.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing face clutches. 2,438,329, Mar. 23.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing face clutches. 2,443,089, June 8.
- Wildman Mfg. Co., assignee: *See*—Howie, Kenneth.
- Wildt and Company Limited, assignee: *See*—Holmes, Henry H.
- Holmes, Henry H., and Widdowson.
- Wiler, Edward M., Belmar, N. J., assignor to the United States of America, as represented by the Secretary of War. Coaxial spark gap. 2,436,845, Mar. 2.
- Wiley, Fred E.: *See*—Canfield, Robert W., Wiley, and Guerreiro.
- Wiley, Ralph M., Midland, and E. V. Dettmer, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Internal two-zone heat control for plastics extruder. 2,449,355, Sept. 14.
- Wiley, Richard H., Chapel Hill, N. C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorine-containing vinyl resins stabilized with a tri(2-alkenyl)-phosphite. 2,456,231, Dec. 13.
- Wilford, John B., Glasgow, Mont. Self-rotating kingpin thrust bearing. 2,453,291, Nov. 9.
- Wilhelm, Donald G.: *See*—Spencer, Clifford R., and Wilhelm.
- Wilhelm, Harley A., and A. H. Daane, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium monocarbide and preparation. 2,448,479, Aug. 31.
- Wilhelm, Seymour K., United States Army, Detroit, Mich. Cushioned knob. 2,449,575, Sept. 21.
- Wilhelm, Warren F.: *See*—Wilhelm, Warner F. and Warren F.
- Wilhelm, Warner F. and Warren F., Chicago, Ill.; said Warner F. Wilhelm assignor to said Warren F. Wilhelm. Method and apparatus for molding and draining concrete. 2,438,528, Mar. 30.
- Wilhelm, Wesley R., Minneapolis, Minn. Hanger. 2,441,051, May 4.
- Wilhite, Don H., Kirksville, assignor to R. Eggert, Adair County, Mo. Clinker oven. 2,445,050, July 13.
- Whk, Joseph, Midin, Ala. Combination cutting tool and wrench for removing studs. 2,443,215; June 15.
- Wilkenfeld, Flora: *See*—Wilkenfeld, Lewis and F.
- Wilkenfeld, Lewis and F., New York, N. Y. Bust form. 2,435,860, Feb. 10.
- Wilkening, Herbert C., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve actuating mechanism. 2,449,733, Sept. 21.
- Wilkerson, Edward D., Orange, N. J. Cylinder hone. 2,443,941, June 22.
- Wilkerson, Jefferson R.: *See*—Rae, Wilton T., and Wilkerson.
- Wilkerson, Jefferson R., Bayside, N. Y., assignor to The Sperry Corporation. Motor control circuits. 2,448,564, Sept. 7.
- Wilkerson, Margaret, assignee: *See*—Riedling, John H.
- Wilkes, Benjamin G., Jr., Wilkinsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Extraction of hydrocarbons. 2,439,534, Apr. 13.
- Wilkes, Claude E., Birmingham, Ala. Ignition lock. 2,439,155, Apr. 6.
- Wilkie, Harry, Dayton, Ohio. Grid cap. 2,453,172, Nov. 9.
- Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Method and apparatus for converting bulk filament into staples. 2,438,469, Mar. 23.
- Wilkins, E. J., Company, assignee: *See*—St. Thomas, William E.
- Wilkins, Herbert C., Dalton-in-Furness, assignor to Vickers-Armstrongs Limited, London, England. Revolution counter adapted to operate over variable predetermined periods of time. 2,448,643, Sept. 7.
- Wilkinson, Farley J., Homewood, Ill. Storm window. 2,449,264, Sept. 14.
- Wilkinson, George H., deceased, Windsor, Ontario, Canada; The Canada Trust Company, executor. Ankle support. 2,450,862, Oct. 5.
- Wilkinson, Kenneth J. R., Rugby, England, assignor to General Electric Company. Pulsed network. 2,443,488; June 15.
- Wilkinson, Paul H., Flushing, N. Y. Toaster. 2,435,704, Feb. 10.
- Wilkinson, Ralph A.: *See*—Treece, Harold R., and Wilkinson.
- Wilkinson, Robert A., North Hollywood, Calif. Micrometer caliper. 2,436,537, Feb. 24.
- Wilkinson, Samuel: *See*—Duffin, Walter M., and Wilkinson.
- Wilkinson, Wylie S., Bayard, N. Mex. Security door holder. 2,435,861, Feb. 10.
- Wilkoft, Howard M., New York, N. Y. Making shielded ignition leads. 2,449,356, Sept. 14.
- Willard, Gerald W.: *See*—Bond, Walter L., and Willard.
- Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for locating the direction of natural axes of quartz crystal sections. 2,439,836, Apr. 20.
- Willard, Herbert B., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Method for catalytic cracking of hydrocarbon oils. 2,452,172, Oct. 26.
- Willard, Jess, Minot, N. Dak. Bowling game board. 2,453,610, Nov. 9.
- Willard, Louis E., New York, N. Y. Hydraulic shock absorber. 2,452,885, Nov. 2.
- Willard Storage Battery Company, assignee: *See*—Donkin, William F.
- Schmidt, Elmer A.
- Willcox, Frederick P., Arlington, Va. Direct reading photoelectric exposure meter. 2,437,774, Mar. 16.
- Willens, George, Chicago, Ill. Three-dimensional time indicator clock. 2,444,392, June 29.
- Willert, William H., Paterson, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Forming and orienting crystalline resinous bodies. 2,445,726, July 20.
- Willert, William H., Clifton, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Distillation of 2,3-dichlorobutadiene-1,3. 2,445,738, July 20.
- Willett, Arthur, Jr., Bay City, Mich. Brake pedal lock. 2,448,480, Aug. 31.
- Willett, Leon E., assignor to Chamberlin Company of America, Detroit, Mich. Protective screen. 2,436,277, Feb. 17.
- Willett, Leon E., assignor to Chamberlin Company of America, Detroit, Mich. Pivoted tool for bending the edge of a panel about a supporting flange. 2,436,278, Feb. 17.
- Willette, Theodore J., St. Paul, Minn. Inserted chuck-actuating wrench with safety sleeve. 2,442,717, June 1.

- Willetts, Arthur K., and T. Rendle, Histon, assignors, by mesne assignments, to M. P. P. (Products) Limited, Norwich, England. Production of mashed potato powder. 2,439,119, Apr. 6.
- Williams, Alan C., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn., a co-partnership. Distributor testing apparatus and circuit. 2,444,014, June 22.
- Williams, Alan C., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn. Capacitor testing instrument. 2,455,543, Dec. 7.
- Williams, Alan W., Westwood, Los Angeles, Calif. Machine for removing putty. 2,452,818, Nov. 2.
- Williams, Alexander M., Watertown, S. Dak. Electrical plug. 2,448,339, Aug. 31.
- Williams, Alfred L. W., and W. J. Brown, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Piezoelectric motor. 2,439,499, Apr. 13.
- Williams, Alfred L. W., and S. J. Begun, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Magnetic material. 2,443,756, June 22.
- Williams, Alfred L. W., Cleveland Heights, and D. R. Christian, Medina, assignor to The Brush Development Company, Cleveland, Ohio. Damping mechanical vibratory devices. 2,444,620, July 6.
- Williams, Alfred O., Battle Creek, Mich. Interengaging impeller type blower or pump. 2,437,658, Mar. 9.
- Williams, Alfred O., Richland, Mich. Musical instrument. 2,455,032, Nov. 30.
- Williams, Allan E.: See—
Olstad, Martin H., and Williams.
- Williams, Allan E., White Plains, assignor to Niagara Blower Company, Buffalo, N. Y. Apparatus for evaporative cooling of liquids. 2,445,199, July 13.
- Williams, Allison R., Yazoo City, Miss. Apparatus for clearing mine fields. 2,442,390, June 1.
- Williams, Alvin R., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Silicon electrical steel. 2,455,632, Dec. 7.
- Williams, Armond, East Haven, and O. E. Meyer, Sr., North Haven, Conn. Distributor mechanism. 2,450,704, Oct. 5.
- Williams, Arthur J., Poole, and W. J. Dyson, Bourne-mouth, assignors of one-third to The Wallis Tin Stamping Company Limited, Poole, England. Container and closure therefor. 2,438,689, Mar. 30.
- Williams, Benjamin M., assignor to Gaylord Container Corporation, St. Louis, Mo. Heavy-duty shipping carton. 2,447,677, Aug. 24.
- Williams, Benjamin N., Glenham, N. Y. Pipe joint. 2,434,878, Jan. 20.
- Williams, Burdell S., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Multiple stage refrigeration. 2,453,823, Nov. 16.
- Williams, Charles, assignee: See—
Stalbaum, Charles F. R.
- Williams, Chester, Ypsilanti, Mich. Truck saddle mount. 2,436,499, Feb. 24.
- Williams, Curtiss, Washington, D. C. Lawn mower. 2,448,241, Aug. 31.
- Williams, Duncan R.: See—
Anderson, Frank J., and Williams.
- Williams, Dyle E.: See—
Shikles, Horace E., Jr., and Williams.
- Williams, Earl, Los Angeles, Calif. Water key for brass musical instruments. 2,439,997, Apr. 20.
- Williams, Edward H., Bayside, and P. F. Tunke, Ridge-wood, assignors to The Welbilt Stove Company, Incorporated, Maspeth, N. Y. Grate for kitchen ranges. 2,440,035, Apr. 20.
- Williams, Emil F.: See—
Foster, George H., and Williams.
- Williams, Emory C., Fort Payne, Ala. Toilet. 2,443,214; June 15.
- Williams, Ernest, Edwight, W. Va. Endless-type conveyer for coal and the like. 2,451,424, Oct. 12.
- Williams, Ernest, Pittsfield, Mass., assignor to General Electric Company. Operating mechanism. 2,435,486, Feb. 3.
- Williams, Eugene D., Cleveland Heights, assignor, by mesne assignments, to Diversified Designing & Machine Products Corporation, Cleveland, Ohio. Conduit coupling. 2,449,920, Sept. 21.
- Williams, Eureka Corporation, assignee: See—
Foley, Charles F.
- Williams, Ferd E.: See—
Nicol, Frederick H., and Williams.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Phosphor material. 2,447,447, Aug. 17.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Magnesium germanate phosphors. 2,447,448, Aug. 17.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Phosphor material. 2,447,449, Aug. 17.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Luminescent zinc fluoride. 2,447,927, Aug. 24.
- Williams, Frank J., Waukegan, Ill. Optometrical testing device. 2,441,783, May 18.
- Williams, Floyd C., St. Louis County, assignor to Frank Adam Electric Company, St. Louis, Mo. Switch mechanism. 2,450,705, Oct. 5.
- Williams, George W., assignee et al.: See—
Ames, Robert G.
- Williams, Glenn B., Ralston, Nebr. Adjustable conduit for radiator and engine connection. 2,449,265, Sept. 14.
- Williams Gold Refining Company, Inc., assignee: See—
Ringle, Charles J., and Smith.
- Williams, Gordon M., Glens Falls, N. Y., assignor to New Wrinkle, Inc., Dayton, Ohio. Polymerizing nonwrinkling oils to wrinkling oils. 2,441,738, May 18.
- Williams, Gordon M., Glens Falls, N. Y., assignor to New Wrinkle, Inc., Dayton, Ohio. Polymerizing nonwrinkling oils to wrinkling oils. 2,441,739, May 18.
- Williams, Harvey A., Davidson, Mich. Mount for gun sights. 2,436,948, Mar. 2.
- Williams, Helen S.: See—
Weyl, Woldemar A., and Williams.
- Williams, Herbert Paul, assignor to Standard Telephones and Cables Limited, London, England. Glide path system for aircraft. 2,436,846, Mar. 2.
- Williams, Ira, and F. W. Seifridge, assignors to J. M. Huber Corporation, Borger, Tex. Manufacture of carbon black. 2,446,351, Aug. 3.
- Williams, Ira, and C. A. Carlton, Borger, Tex., assignors to J. M. Huber Corporation, New York, N. Y. Increasing tackiness of rubber-like materials. 2,457,335, Dec. 12.
- Williams, Irvin J., Seattle, Wash. One-hand fruit picking device. 2,453,392, Nov. 9.
- Williams, J. B., Company, The, assignee: See—
Guest, Herbert H.
- Williams, J. H., & Co., assignee: See—
Kress, Willard C.
- Williams, Jacob O., San Bernardino, Calif. Electric flood signal. 2,448,340, Aug. 31.
- Williams, James F.: See—
Stanley, Herbert M., Salt, and Williams.
- Williams, James T., and K. F. Riese, Minneapolis, Minn.; said Riese assignor to said Williams. Incense vaporizer adapted for use as a cigar lighter. 2,434,825, Jan. 20.
- Williams, Jerry D., Ninkabah, Okla. Apparatus and method for seismographic exploration shooting. 2,450,366, Sept. 28.
- Williams, John H., St. Johns, Newfoundland, Canada. Twin tires for motor vehicles. 2,445,503, July 20.
- Williams, John J., Meadville, Pa., assignor, by mesne assignments, to Perfection Patents Inc., Rochester, N. Y. Manufacturing stop nuts. 2,442,067, May 25.
- Williams, John P., Nashville, Tenn. Holding means for ice-cream cans and cartons. 2,446,315, Aug. 3.
- Williams, John W., Madison, Wis., and E. M. Bevilacqua, Rutherford, N. J., assignors to The United States of America, as represented by the Atomic Energy Commission. Sedimentation tube. 2,436,083, Feb. 17.
- Williams, John W., and Harold F. Deutsch, Madison, Wis., assignors to the United States, as represented by the Secretary of War. Recovering gamma globulins from human blood serum. 2,437,060, Mar. 2.
- Williams, Joseph B., San Francisco, Calif. Fruit and vegetable juice extractor. 2,440,425, Apr. 27.
- Williams, Joseph S., New Augusta, and W. R. Binai, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition of silver from a high silver cyanide content bath. 2,435,525, Feb. 3.
- Williams, Keith, Buffalo, N. Y. Hand brake for railway cars. 2,437,491, Mar. 9.
- Williams, Keith, Buffalo, N. Y. Hand brake. 2,457,764, Dec. 28.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale. 2,439,533, Apr. 13.
- Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,434,530, Jan. 13.
- Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet handling apparatus. 2,435,915, Feb. 10.
- Williams, Louis A., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,444,080, June 29.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system. 2,443,940, June 22.
- Williams, Lynn A., Jr., Northfield, W. A. Marshall, Jr., Chicago, and W. F. Gradolph, Jr., Oak Park, assignors to Stewart-Warner Corporation, Chicago, Ill. Carbureting apparatus. 2,448,181, Aug. 31.
- Williams, Lynn A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater exhaust system. 2,448,132, Aug. 31.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Combustion air flow responsive carbureting apparatus. 2,451,459, Oct. 19.
- Williams, Lynn A., Jr., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with nozzle heating means. 2,455,207, Nov. 30.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion hot-air heater. 2,457,513, Dec. 28.
- Williams, Marvin L., Tulare, Calif. Ground working implement. 2,437,059, Mar. 2.

- Williams, Max R., Baltimore, Md. Auxiliary independent carburetor. 2,446,034, July 27.
- Williams, Merlyn G., Jr., Downers Grove, and A. Dahl, Chicago, Ill. Abrasive tool. 2,457,076, Dec. 21.
- Williams, Monroe E., Oakland, Calif. Portable extension for bag racks. 2,444,236, June 29.
- Williams, Morris F., and S. B. Gallt, Syracuse, assignors to Crucible Steel Company of America, New York, N. Y. Wire pay-off mechanism. 2,437,630, Mar. 9.
- Williams, Norman C., and R. W. Fishwood, assignors to Power Brake Equipment Co., Portland, Ore. Automatic control instrument. 2,451,139, Oct. 12.
- Williams, Otis C., Atlanta, Ga. Loom shuttle. 2,445,899, July 27.
- Williams, Paul D.: *See*—
Eaves, Hubert, and Williams.
- Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube cathode. 2,438,732, Mar. 30.
- Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Coated anode for electron discharge devices. 2,447,973, Aug. 24.
- Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Rugged cathode. 2,456,761, Dec. 21.
- Williams, Paul H.: *See*—
Davidson, John T., Williams, Lehman, Ganger, Crawford, and Sedgebury.
- Morris, Rupert C., Snider, and Williams.
- Williams, Paul H., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of cyclic ethers. 2,452,977, Nov. 2.
- Williams, Ralph F., Hazelton, Kans. Replacement axle for agricultural implements or the like. 2,450,322, Sept. 28.
- Williams, Ralph M., Wellington, Kans. Eraser with magnetic supporting means. 2,434,973, Jan. 27.
- Williams, Ray C., Holland, Ohio. Golf ball retriever. 2,448,644, Sept. 7.
- Williams, Richard O., assignor of one-half to A. H. Ross, Los Angeles, Calif. Plug locking attachment for extension cords. 2,447,783, Aug. 24.
- Williams, Roger F., Des Moines, Iowa. Smoke and soot eliminator. 2,457,292, Dec. 28.
- Williams, Royal M., Fort Worth, Tex. Holster. 2,434,380, Jan. 13.
- Williams, Russell J., Richmond Heights, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Web associating mechanism. 2,445,703, July 20.
- Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remotely controlled electrical calculator. 2,434,681, Jan. 20.
- Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Valve for insecticide sprays. 2,452,215, Oct. 26.
- Williams, Spencer R., assignor to Germ-Ex Mask Company Limited, Toronto, Ontario, Canada. Surgical mask. 2,447,450, Aug. 17.
- Williams, Stanley V.: *See*—
Ransley, Charles E., and Williams.
- Williams, Sumner H., Charlotte, N. C. Fluid treating webs of fabric. 2,445,504, July 20.
- Williams, Thomas J., Buenos Aires, Argentina. Treating sulfidic tungsten or concentrates. 2,437,870, Mar. 16.
- Williams, Thomas J., Gas City, Ind. Fishing pole. 2,457,075, Dec. 21.
- Williams, Virgil C., Evanston, Ill., assignor to The Linde Air Products Company. Flux-forming fuel, and thermally working minerals therewith. 2,436,002, Feb. 17.
- Williams, Walter W., Bloomington, Ill., assignor to Eureka Williams Corporation. Absorption refrigeration system including condenser pressure control means. 2,437,577, Mar. 9.
- Williams, Walter W., Fort Dodge, Iowa. Bumper clamp towing device. 2,435,813, Feb. 10.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Fastening means. 2,447,299, Aug. 17.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Grasp device. 2,447,300, Aug. 17.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Hardness tester. 2,448,645, Sept. 7.
- Williams, William D., Scotia, N. Y., assignor to General Electric Company. Magnetic coupling. 2,444,797, July 6.
- Williams, William E., Pasadena, Calif. Interferometer apparatus for quantitatively determining fluid pressures in wind tunnels. 2,434,029, Jan. 6.
- Williams, William E., Pasadena, Calif. Optical micrometer for measuring the thickness of transparent or translucent bodies. 2,437,775, Mar. 16.
- Williams, William J., Wilmette, Ill. Governor with switch control. 2,457,192, Dec. 28.
- Williams, William W.: *See*—
Laclaus, Joseph F., and Williams.
- Williams, William W., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Reaction jet system for aircraft control. 2,451,008, Oct. 12.
- Williams, William W., Buffalo, and H. L. Bowers, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft control surface. 2,451,009, Oct. 12.
- Williams & Wilson Limited, assignee: *See*—
White, Robert.
- Williamson, Floyd M., Detroit, Mich. Vanity case. 2,437,578, Mar. 9.
- Williamson, Garland S., Santa Monica, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Quick-action chuck. 2,443,526; June 15.
- Williamson, Hilding V., assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Fluid pressure operated valve. 2,445,163, July 13.
- Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Method and apparatus for preventing explosions. 2,449,436, Sept. 14.
- Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Apparatus for extinguishing fires. 2,450,537, Oct. 5.
- Williamson, Hilding V., and R. H. Griesemer, assignors to Cardox Corporation, Chicago, Ill. Quickly detachable coupling. 2,453,480, Nov. 9.
- Williamson, Marshall L., assignor, by mesne assignments, to National Folding Box Company, Incorporated, New Haven, Conn. Container. 2,438,982, Apr. 6.
- Williamson, Martin B.: *See*—
Gyorgy, Paul, and Williamson.
- Jarowski, Charles I., Stiller, and Williamson.
- Patterson, Wilbur I., and Williamson.
- Williamson, Norman B., Portland, Ore. Cart for golf bags. 2,443,847, June 22.
- Williamson, Stuart, Reading, England. Delay action control switch. 2,450,323, Sept. 28.
- Williamson, William R.: *See*—
Saco, Felix, Jr., and Williamson.
- Williford, Edward A., White Plains, N. Y., assignor to National Carbon Company, Inc. Accelerated light fastness testing apparatus. 2,434,450, Jan. 13.
- Willis, Bernard D., deceased, Oak Park, by Wm. Walter Owen, executor, Elgin, Ill., assignor to Automatic Electric Laboratories, Inc. Gun sighting and training apparatus. 2,446,316, Aug. 3.
- Willis, Horace H.: *See*—
Cooke, William T., and Willis.
- Willis, Robert L., Baltimore, Md. Article rack. 2,456,850, Dec. 21.
- Willis, Winfield H., Bedford, Ohio, assignor to General Electric Company. Mount structure for electric lamps. 2,434,779, Jan. 20.
- Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Motor switch, mounting, and terminal board. 2,442,227, May 25.
- Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Drilling machine. 2,450,065, Sept. 28.
- Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Guide for drill chucks. 2,450,066, Sept. 28.
- Willoughby, Eric O., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Switching device for high-frequency circuits. 2,444,081, June 29.
- Willoughby, Eric O., assignor to Standard Telephones and Cables Limited, London, England. Radio glide path landing system for aircraft. 2,447,549, Aug. 24.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Spring unit. 2,446,164, July 27.
- Willous, Charles E., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,447,884, Aug. 24.
- Wills, Herbert W.: *See*—
Robinson, Albert S., and Wills.
- Wills, John H.: *See*—
Wegst, Walter F., and Wills.
- Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Meter with cylinders parallel to the drive shaft. 2,437,413, Mar. 9.
- Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Crank arm and driving block means. 2,451,455, Oct. 12.
- Willson, Edward A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Increasing the particle size of synthetic rubber latex and forming a film therefrom. 2,444,689, July 6.
- Willson Products, Inc., assignee: *See*—
Shindel, Harry F.
- Wiswesser, William J.
- Willys-Overland Motors, Inc., assignee: *See*—
DeSmet, Edgar C., and Dickason.
- Hennesty, Robert E.
- Roos, Delmar G.
- Wilmanns, Gustav: *See*—
Riester, Oskar, and Wilmanns.
- Wilmer, Elmer E., Baltimore, Md. Coupling that compensates for axial displacement of shafts connected thereby. 2,441,052, May 4.
- Wilmington Chemical Corporation, assignee: *See*—
Rostler, Fritz, and Bornstein.
- Rostler, Fritz S.
- Rostler, Fritz S., and du Pont.

- Wilmot Castle Company, assignee: *See*—
Greppin, Ernest H.
- Wilmotte, Raymond M., assignee: *See*—
Stinson, Lawrence W.
- Wilputte, Louis, New York, N. Y., assignor to Allied Chemical & Dye Corporation. Self-sealing leveller-door closure for coke ovens. 2,442,391, June 1.
- Wilsey, Irven H., deceased, Chicago, Ill.; R. A. Wilsey, executrix. Target practice apparatus. 2,449,030, Sept. 7.
- Wilsey, Ruth A., executrix: *See*—
Wilsey, Irven H.
- Wilshusen, Wilmer L., Garden City, Kans. Plug for electric circuit. 2,446,317, Aug. 3.
- Wilson, A. H., et al., assignee: *See*—
Sharma, Jagan N.
- Wilson, Abram B., Hollidays Cove, W. Va., assignor to National Steel Corporation. Anode for electrolytic coating. 2,453,481, Nov. 9.
- Wilson, Abram B., Hollidays Cove, W. Va., assignor to National Steel Corporation. Apparatus for tensioning strip material. 2,454,021, Nov. 16.
- Wilson, Allen R.: *See*—
Nancarrow, Harry L., and Wilson.
- Wilson, Annetta E., et al., assignee: *See*—
Sharma, Jagan N.
- Wilson, Arthur L., Brentwood, Calif. Electrical cable. 2,436,984, Mar. 2.
- Wilson Athletic Goods Mfg. Co., Inc., assignee: *See*—
Turner, Archibald J.
- Wilson, C. Milton, assignee, et al.: *See*—
Derby, John H.
- Wilson, Carrol J.: *See*—
Wasson, Jones I., and Wilson.
- Wilson, Charles R., assignor of one-half to C. B. Varney, Road Fork, Ky. Coupling pin structure. 2,455,105, Nov. 30.
- Wilson, Charles V.: *See*—
Allen, Charles F. H., Wilson, and Frame.
- Wilson, Charles V., assignor to Eastman Kodak Company, Rochester, N. Y. 1-nitro-3-alkylanthrapyridone compounds and their preparation. 2,439,120, Apr. 6.
- Wilson, Charles S., Pindall, Ark. Handy comb. 2,446,398, Aug. 3.
- Wilson & Company, Inc., assignee: *See*—
Adams, Nicholas M.
Hodson, George F.
Selby, Theodore K., and Campbell.
- Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paratertiary amino phenyl aldehydes. 2,437,370, Mar. 9.
- Wilson, Doyné L.: *See*—
Kirkpatrick, Willard H., and Wilson.
- Wilson, Ellsworth M., Southport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Drum support for combined washing and centrifugal drying machines. 2,436,343, Feb. 17.
- Wilson, Ellsworth M., Southport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Filter. 2,439,535, Apr. 13.
- Wilson, Emery E., Portland, Oreg. Fountain fixture cooled by forced air circuit. 2,438,355, Mar. 23.
- Wilson, Evan F.: *See*—
Harter, Isaac, Wilson, and Huger.
- Wilson, Evan F., Akron, and J. C. Grubb and F. A. Fowler, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Jersey City, N. J. Fusion welding involving use of initial layer of finely divided metal. 2,441,176, May 11.
- Wilson, Ezekiel J., Slingerlands, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Warp yarn compressing spooler. 2,452,819, Nov. 2.
- Wilson, Finley B., San Antonio, Tex., assignor to United States of America, as represented by the Secretary of the Navy. Keyed oscillator. 2,456,550, Dec. 14.
- Wilson, Gardiner C., assignor to Armstrong Cork Company, Lancaster, Pa. Injection mold. 2,457,336, Dec. 28.
- Wilson, George A., Bogue Chitto, Miss. Vermin destroyer. 2,440,214, Apr. 20.
- Wilson, George A., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Adjustable front sight for small arms. 2,446,970, Aug. 10.
- Wilson, George P., Beaver, Pa. Stadium folding chair. 2,449,523, Sept. 14.
- Wilson, George S., Haworth, N. J. Garment hanger. 2,452,513, Oct. 26.
- Wilson, George V., and S. P. Darksins, Homestead, Pa. Tobacco can. 2,455,633, Dec. 7.
- Wilson, Glenn W., Jr.: *See*—
Shipley, George H., Jr., and Wilson.
- Wilson, Glenn W., Jr., Goose Creek, Tex., assignor to Standard Oil Development Company. Distillation of butane containing high boiling contaminants. 2,451,896, Oct. 19.
- Wilson, Golder P., Alton, Ill., assignor to Olin Industries, Inc. Electric induction furnace for continuously heating metal strip. 2,437,776, Mar. 16.
- Wilson, Golder P., Alton, Ill., L. W. McNair, Overland, Mo., and W. D. Waters, Alton, Ill., assignors to Olin Industries, Inc. Apparatus for electric resistance heating of moving metallic strips. 2,445,866, July 27.
- Wilson, Harland D., Toledo, Ohio. Underwater battery vent plug. 2,436,465, Feb. 24.
- Wilson, Harold M., Arlington, assignor to Metals & Controls Corporation, Attleboro, Mass. Combined electromagnetic and thermal protective circuit breaker system. 2,434,186, Jan. 6.
- Wilson, Harry, U. S. Army. Pickup parachute harness. 2,448,066, Aug. 31.
- Wilson, Harry B., Brooklyn, N. Y. Radiant gas toaster and broiler. 2,438,470, Mar. 23.
- Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Toolholder. 2,444,621, July 6.
- Wilson, Harry H., Jr.: *See*—
Tellier, Joseph C., and Wilson, Jr.
- Wilson, Howard, Chevy Chase, Md. Adjustable spring shackle. 2,434,304, Jan. 13.
- Wilson, Jack P., Ardmore, Herbert T. Lewis, Jr., Philadelphia, and Donald C. Glassford, Merion Station, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Apparatus for mixing dry and liquid materials and loading into containers. 2,437,216, Mar. 2.
- Wilson, James: *See*—
Hoffecker, John W., Wilson, and Nenstiehl.
- Wilson, James A.: *See*—
Heigl, John J., and Wilson.
- Wilson, James A., Linden, and John J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company. High-speed recording system. 2,434,531, Jan. 13.
- Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding and lapping. 2,436,466, Feb. 24.
- Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for crush dressing grinding wheels. 2,456,762, Dec. 21.
- Wilson, John M.: *See*—
Beam, Vilynn O., and Wilson.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control panel. 2,439,326, Apr. 6.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic burner control apparatus. 2,445,051, July 13.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,448,502, Aug. 31.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,448,503, Aug. 31.
- Wilson, John W., Inglewood, Calif. X-ray applicator. 2,436,279, Feb. 17.
- Wilson-Jones Company, assignee: *See*—
Segal, Samuel.
- Wilson, Joseph B.: *See*—
Ball, Charles J. P., Jessup, Emley, and Wilson.
- Wilson, Margaret, Raleigh, N. C. Treating potatoes. 2,441,305, May 11.
- Wilson, Matthew W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for treating rubber-reinforcing cord fabric. 2,450,847, Oct. 5.
- Wilson, Melville M.: *See*—
Berry, William E., and Wilson.
- Wilson, Meredith C., Berkley, Mass. Closure for collapsible tubes. 2,448,163, Aug. 31.
- Wilson, Nina M., assignee: *See*—
Wilson, Winfred E.
- Wilson, Norman B.: *See*—
Von Fuchs, George H., and Wilson.
- Wilson, Oran C., Lakewood, and P. S. Britton, Bratenahl, Ohio. Apparatus for coiling thermoplastic material. 2,450,324, Sept. 28.
- Wilson, Paul B., assignor to H. D. Wolgamot, Portland, Oreg. Plastic bobbin. 2,448,242, Aug. 31.
- Wilson, Philip J., Jr.: *See*—
Wells, Joseph H., and Wells.
- Wilson, Philip J., Jr., J. H. Wells, and C. R. Liebel, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Refining aromatic hydrocarbons. 2,455,634, Dec. 7.
- Wilson, Philip P. S., Falls Church, Va. Removable partition. 2,443,548; June 15.
- Wilson, Ray, assignor to R. R. Cook, Chicago, Ill. Air purifier. 2,449,681, Sept. 21.
- Wilson, Richard W., assignee: *See*—
Wilson, Robert C.
- Wilson, Robert A., Dallas, Tex. Well swab. 2,456,551, Dec. 14.
- Wilson, Robert C., assignor of one-fourth to R. W. Wilson, Chula Vista, Calif. Combined spoon and lid for containers. 2,453,393, Nov. 9.
- Wilson, Robert C., Jr.: *See*—
Sargent, Edmund L., and Wilson.
- Wilson, Robert E., Minneapolis, Minn. Electrical outlet construction. 2,437,579, Mar. 9.
- Wilson, Robert M., et al., assignee: *See*—
Sharma, Jagan N.
- Wilson, Robert W., assignee: *See*—
Smith, Merton J.
- Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Speed control apparatus. 2,438,983, Apr. 6.
- Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Time-delay relay system. 2,443,437; June 15.

- Wilson, Rosser L., Mahway, N. J., assignor to American Brake Shoe Company, Wilmington, Del. Synchronizing control apparatus for multiple engines. 2,443,438; June 15.
- Wilson, S. Morris, assignee: *See*—
Rowe, Charles E.
- Wilson, Smith D., Chicago, Ill. Window cleaning apparatus. 2,435,862, Feb. 10.
- Wilson, Sydney S., assignor to Goodall-Sanford, Inc., Sanford, Maine. Stop motion for pile wire looms. 2,439,031, Apr. 6.
- Wilson, Theodore J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Generating system. 2,453,885, Nov. 16.
- Wilson, Thomas C., Inc., assignee: *See*—
Schoot, Donald E., and Bartle.
- Wilson, Tom, Baltimore, Md., assignor to Bethlehem Steel Company. Apparatus for hot sawing. 2,452,343, Oct. 26.
- Wilson, Wayne E., Schenectady, N. Y., assignor to General Electric Company. Electrode adapter. 2,444,798, July 6.
- Wilson, Walter G., Martyr Worthy, Winchester, England. Stabilizing and steering of aerial torpedoes or bombs. 2,434,187, Jan. 6.
- Wilson, William A., Glendale, Calif. Dolly for trailers and the like. 2,450,215, Sept. 28.
- Wilson, William G., Stratford, Conn. Watertight door. 2,440,764, May 4.
- Wilson, Winfred E., North Hollywood, Calif., assignor of one-half to N. M. Wilson, Flume. 2,444,688, July 6.
- Wilson, William H., assignee, et al.: *See*—
Casper, Ervin J.
- Wilson, William H., et al., assignee: *See*—
Sharma, Jagan N.
- Wilson, William H., Jr., et al., assignee: *See*—
Sharma, Jagan N.
- Wilson, William F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Double engine transmission. 2,451,598, Oct. 19.
- Wilson, William S., Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of aluminum sulfate. 2,452,024, Oct. 19.
- Wilson, William W., Memphis, Tenn. Sofa bed hinge support. 2,435,936, Feb. 10.
- Wilson, William W., Memphis, Tenn. Latch for sofa bed hinges. 2,437,580, Mar. 9.
- Wiltse, Sumner, assignor to Vibraseal Corporation, Detroit, Mich. Closure assembly. 2,451,599, Oct. 19.
- Wimmer, Ludwig: *See*—
Holstebro, Kaye B., and Wimmer.
- Wincharger Corporation, assignee: *See*—
Albers, John R.
- Winchester, Clark E., Roanoke, Ind., and H. F. Lathrop, Philadelphia, Pa., assignors to General Electric Company. Superheat control for refrigerating apparatus. 2,449,437, Sept. 14.
- Winding, Charles C., Ithaca, N. Y., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Adsorbent refining method. 2,446,799, Aug. 10.
- Windmoeller, Minnie M., Mooresville, Ind. Brush mounted nail file. 2,447,451, Aug. 17.
- Windsor Case Company, Inc., assignee: *See*—
Mittell, Peter.
- Windsor, Claude D., Newark, N. J. Diamond tool. 2,435,916, Feb. 10.
- Windsor, Robert B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Coating cathode-ray tube screens. 2,441,217, May 11.
- Wine, William E., Parker, Va. Assemblage of refrigerating units. 2,447,606, Aug. 24.
- Wineman, Wade H., Michigan City, Ind., assignor to Joy Manufacturing Company. Forging machine. 2,450,621, Oct. 5.
- Wineman, Wade A., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor control mechanism. 2,454,363, Nov. 23.
- Wines, Elmer J., South Gate, Calif. Fiber renovating machine. 2,456,905, Dec. 21.
- Wing, Arthur K., Jr., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron tube with external anode. 2,444,482, July 6.
- Wing, Arthur K., Jr., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Filament support. 2,444,483, July 6.
- Wing, Arthur K., Jr., Nutley, and L. A. Backer, Denver, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Adjustable electrode support for electron discharge tubes. 2,445,814, July 27.
- Wing, L. J., Mfg. Co., assignee: *See*—
Lurcott, Winfred N.
- Wing, Lewis O., Sr., assignor to California Magnet Company, Sacramento, Calif. Electromagnetic surgical probing instrument. 2,436,538, Feb. 24.
- Wing, Russell T., Excelsior, Minn. Writing instrument. 2,436,763, Feb. 24.
- Wingate, Norman L., Albany, Ga. Collapsible coat hanger. 2,435,301, Feb. 3.
- Wingate, Norman L., Albany, Ga. Foldable garment hanger. 2,439,838, Apr. 20.
- Wingfoot Corporation, assignee: *See*—
Braden, Vally N.
Campaigne, William E.
Carson, Clarence M.
Carter, Raymond S., and Dorf.
Cheyney, La Verne E., and Parks.
Clifford, Albert M.
Clifford, Albert M., and Lichty.
Cox, Fred W., and Wallace.
Cousins, Edward.
Donnell, Lloyd H., and Shaw.
Flory, Paul J.
Gardner, Charles E.
Gordon, John T., and Solliday.
Gracia, Albert J.
Hardman, Albert F.
Heydorn, William P.
Kilborn, Karl B.
Lichty, Joy G.
Long, John R.
Mallory, Gerald D.
McLaughlin, Leone.
McMahan, William W.
Merrill, James A., and Sebrell.
Nicol, William Howard.
Osterhof, Harold J.
Pace, Henry A.
Purdy, John F.
Reed, Exa G.
Rogers, Thomas H., Jr., and Vickers.
Scott, Winfield.
Seeger, Nelson V.
Seitz, Andy J.
Shively, Walter E.
Solliday, Raymond E., and Riggs.
Sturtevant, Mark J.
- Winkler, Lawrence J., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Inserting machine. 2,446,035, July 27.
- Winkeljohn, Thomas H., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Liquid seal. 2,437,900, Mar. 16.
- Winkeljohn, Thomas H., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Sealing ring. 2,437,901, Mar. 16.
- Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Pump. 2,442,631, June 1.
- Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,457,765, Dec. 28.
- Winkler, Christian G., Portland, Oreg. Toolholder. 2,445,013, July 13.
- Winkler, De Loss E.: *See*—
Ballard, Seaver A., and Winkler.
- Winkler, De Loss E., Berkeley, and W. J. Raab and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of acetone autocondensation products. 2,434,631, Jan. 13.
- Winkler, De Loss E., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of thioketones. 2,437,985, Mar. 16.
- Winkler, De Loss E., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic alkylation of phenols by amines. 2,440,036, Apr. 20.
- Winkler, De Loss E., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of thiophenols. 2,443,811, June 22.
- Winkler, De Loss E., and R. H. Mortimer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Alkylation of phenolic compounds. 2,448,942, Sept. 7.
- Winkler, Herman E., Lebanon, Ind., and F. E. Boyer, East Grand Rapids, Mich., assignors to U. S. Machine Corporation, Lebanon, Ind. Feed screw for stokers. 2,443,942, June 22.
- Winn, Elisha S., Sr., Fitzgerald, Ga. Foot warmer. 2,434,188, Jan. 6.
- Winn, Roy W., Kansas City, Mo. Selectively controlled light shielding liquid system for multiple window construction. 2,439,553, Apr. 13.
- Winnek, Philip S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Sulfonamide derivatives. 2,436,062, Feb. 17.
- Winnen, Franklyn E.: *See*—
Benjamin, Milton L. and Winnen.
- Winner Manufacturing Company, Inc., assignee: *See*—
Drake, Robert E.
- Winning, Carl, Westfield, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Producing unsaturated hydrocarbons containing branched carbon chains. 2,440,497, Apr. 27.
- Winninghoff, Wilford J.: *See*—
Blake, Harold D., and Winninghoff.
- Winogrand, Milton J., Philadelphia, Pa. Portable ventilator having adjustable mounting means. 2,436,344, Feb. 17.
- Winona Tool Manufacturing Company, assignee: *See*—
Fuglie, Elmer A.
- Winslow, Albert E., Norwich, Conn., assignor, by mesne assignments, to Universal Winding Company, Cranston, R. I. Yarn winder. 2,449,682, Sept. 21.

- Winslow, Albert E., Norwich, Conn., assignor, by mesne assignments, to Universal Winding Company, Cranston, R. I. Thread finishing machine. 2,456,804, Dec. 21.
- Winslow, Fred H., and W. S. Hammond, Waco, Tex. Reversing drive mechanism. 2,450,262, Sept. 28.
- Winter, Arthur G., Pleasant Ridge, Mich., assignor to G. M. and E. Holley. Automatic choke. 2,446,352, Aug. 3.
- Winter, Arthur, Weehawken, N. J. Pen. 2,455,964, Dec. 14.
- Winter, Henry A., assignor to Patents, Inc., Denver, Colo. Vehicle ramp. 2,436,467, Feb. 24.
- Winter, Hugo A. M., assignor to Messrs. Hornflowa Limited, Maryport, England. Manufacture of molded articles having differently shaded zones therein from molding powders. 2,434,477, Jan. 13.
- Winter, John S., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Airplane landing gear. 2,444,319, June 29.
- Winter, Lester L., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electrode for vacuum discharge apparatus. 2,456,099, Dec. 14.
- Winterburn, Joseph, Bury, England. Machine for the manufacture of wet paperboard. 2,445,254, July 13.
- Winterhalter, William E.: *See*—
Muddiman, Earl R., and Winterhalter.
Vonada, Edwin E., and Winterhalter.
- Wintermute, Carlton H., Newark, N. J. Moistureproof housing for piezoelectric elements. 2,454,244, Nov. 16.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,443,780, June 22.
- Winters & Crampton Corporation, assignee: *See*—
Anderson, Lloyd L.
Mark, Vennice E., and Anderson.
- Wintersteiner, Oskar: *See*—
Rake, Geoffrey W., Wintersteiner, MacPhillamy, and McKee.
- Wintersteiner, Oskar, and J. D. Dutcher, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. d-Chondocurarine halides and making same. 2,440,708, May 4.
- Winther, Howard, Harrington Park, N. J., assignor to Nathan Manufacturing Company, New York, N. Y. Lubricating system for vehicles. 2,455,847, Dec. 7.
- Winther, Martin P., assignee: *See*—
Jaeschke, Ralph L.
Winther, Martin P.
- Winther, Martin P., Waukegan, Ill., assignor to Martin P. Winther, trustee. Motoring dynamometer for engine testing. 2,445,095, July 13.
- Winther, Martin P., assignor to M. P. Winther, as trustee, Waukegan, Ill. Eddy-current coupling. 2,452,820, Nov. 2.
- Winther, Martin P., assignor to M. P. Winther, Waukegan, Ill., trustee. Universal angle drive. 2,454,111, Nov. 16.
- Winther, Martin P., assignor to M. P. Winther, Waukegan, Ill., as trustee. Eddy-current torque apparatus. 2,454,364, Nov. 23.
- Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.
- Winthrop-Stearns Inc., assignee: *See*—
Albertson, Noel F., Archer, and Suter.
Archer, Sydney, and Albertson.
Rockmühl, Max, Ehrhart, Eisleb, and Stein.
Cavallito, Chester J., and Kirchner.
King, John A.
Lorenz, Walter, Behnisch, and Mietzsch.
Whiteside, Robert S., and Kolb.
- Wintle, Thomas D. G.: *See*—
Hill, Walter E., and Wintle.
- Winton, Lewis B., Greenwich, Conn., assignor, by mesne assignments, to Jerguson Gage & Valve Co. Liquid level indicator. 2,438,330, Mar. 23.
- Winton, Lewis B., Greenwich, Conn., assignor to Jerguson Gage & Valve Company, Somerville, Mass. Manometer. 2,451,460, Oct. 19.
- Winzer, Godfrey K. R., Denver, Colo. Paper moistener. 2,443,971, June 22.
- Winzer, Godfrey K. R., Seattle, Wash. Towel paper moistener and dispenser. 2,457,293, Dec. 28.
- Wire Machinery Corporation of America, Inc., assignee: *See*—
Roetting, Arthur J.
- Wirebaugh, David W., Cincinnati, Ohio. Compensating center support. 2,435,417, Feb. 3.
- Wirgin, Joseph, Mount Vernon, N. Y. Extension for tripods. 2,447,107, Aug. 17.
- Wirtel, Arthur F.: *See*—
De Groote, Melvin, and Wirtel.
- Wirth, Emil O.: *See*—
Barfod, Frederik, and Wirth.
- Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,443,527, June 13.
- Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,445,097, July 13.
- Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel system. 2,445,098, July 13.
- Wirth, Emil O., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel system. 2,445,099, July 13.
- Wirth, Emil O., South Bend, Ind., and W. E. Leibing, Detroit, Mich.: said Wirth assignor to Bendix Aviation Corporation, South Bend, Ind.; said Leibing assignor to Leibing-Fageol Company, Detroit, Mich. Fuel system for starting. 2,450,175, Sept. 28.
- Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,456,605, Dec. 14.
- Wirth, Otto, assignor to Micafil Ltd., Zurich, Switzerland. Ring winding machine. 2,444,126, June 29.
- Wirth, Rudolph, New York, N. Y. Door indicating device. 2,455,208, Nov. 30.
- Wirtz, Emery F., assignor to Zwicker Knitting Mills, Appleton, Wis. Ornamented knitted article manufacture. 2,452,707, Nov. 2.
- Wirtz, Robert W., Peoria, Ill. Toe creasing machine. 2,455,106, Nov. 30.
- Wisberger, Paul M., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Pallet. 2,450,848, Oct. 5.
- Wischhusen, John, Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Preparing composite poppet valves. 2,435,948, Feb. 10.
- Wisconsin Alumni Research Foundation, assignee: *See*—
Wolf, Frank M.
- Wise, Charles H., Philadelphia, Pa. Window shade spring adjusting bracket. 2,448,481, Aug. 31.
- Wise, Donald R., South Bend, Ind. Circuit breaker. 2,443,090, June 8.
- Wise, Edmund M., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Electric contact. 2,434,305, Jan. 13.
- Wise, Edmund M., Westfield, N. J., and R. F. Vines, Queens Village, assignors to The International Nickel Company, Inc., New York, N. Y. Palladium plating. 2,457,021, Dec. 21.
- Wise, Edwin C.: *See*—
Weisblatt, David I., Myers, and Wise.
- Wise, Edwin C., assignor to The Upjohn Company, Kalamazoo, Mich. Lower alkyl esters of ascorbic acid. 2,454,749, Nov. 23.
- Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation. Type bar mechanism for typewriting machines. 2,447,885, Aug. 24.
- Wise, Frederic E., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Electric temperature device. 2,450,263, Sept. 28.
- Wise, Herman J., assignor to Electronic Laboratories, Incorporated, Indianapolis, Ind. Vibratory circuit converter. 2,451,461, Oct. 19.
- Wise, Mark M., Mosman, near Sydney, New South Wales, Australia. Obtaining of ramie. 2,440,562, Apr. 27.
- Wise, Raleigh J., Dunellen, G. H. Ridings, Summit, and R. D. Parrott, West New York, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Sheet feeder for facsimile telegraph apparatus. 2,435,260, Feb. 3.
- Wise, Raleigh J., Dunellen, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph signal recorder. 2,444,484, July 6.
- Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system and apparatus. 2,450,030, Sept. 28.
- Wise, Rothermel, Lancaster, Pa. Man's undergarment. 2,435,377, Feb. 3.
- Wisegaver, Orton H., Los Angeles, Calif., assignor to Adel Precision Products Corp. Solenoid with plunger. 2,449,438, Sept. 14.
- Wiseley, Don C., Los Angeles, Calif. Equilibrated inertia switch. 2,433,968, Jan. 6.
- Wisely, Robert, Chicago, Ill. Grating structure. 2,454,583, Nov. 23.
- Wiseman, Earl L., University Heights, assignor to The Swartout Company, Cleveland, Ohio. Smoke jack. 2,439,353, Apr. 6.
- Wiseman, Park A.: *See*—
McBee, Earl T., and Wiseman.
- Wisman, Franklin O., assignor to Bendix Aviation Corporation, South Bend, Ind. Electronic motor control system. 2,440,132, Apr. 20.
- Wisman, Franklin O., assignor to Bendix Aviation Corporation, South Bend, Ind. Power booster for aircraft control surfaces. 2,445,900, July 27.
- Wisniewski, John M., Prattburg, N. Y. Bearing seal. 2,448,646, Sept. 7.
- Wiss, John F., and R. B. Wagner, Columbus, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Molding hot materials. 2,434,780, Jan. 20.
- Wiswesser, William J., near Stony Creek Mills, assignor to Willson Products, Inc., Reading, Pa. Overlapping linkage engagement for model-forming shaped sheet pieces. 2,446,120, July 27.
- Witchger, Eugene S., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Gear pump structure. 2,434,135, Jan. 6.
- With, Bror, Skoyen near Oslo, Norway. Nonskid device for shoes. 2,437,143, Mar. 2.
- With, Julius E. B., Port Townsend, Wash. Chimney cowl. 2,456,232, Dec. 14.
- Witherby, Thomas H., Buffalo, N. Y., and H. E. Farnsworth, Providence, R. I., assignors to the United States of America as represented by the Secretary of War. Oscilloscope device. 2,449,524, Sept. 14.

- Witlin, Isadore B., Los Angeles, Calif.; W. B. Naythons, administrator of the estate of said I. B. Witlin, deceased, assignor to P. Raykoff, Los Angeles, Calif. Slipper with chenille surfacing. 2,455,459, Dec. 7.
- Witmer, Earl G., assignee: *See*—Tarwater, Lawson.
- Witmyer, Harry M., and William R. Simpson, Jr., Mannheim, Pa. Artificial limb. 2,439,195, Apr. 6.
- Witt, Edward R., Evanston, Ill. Machine for beating rugs, carpets, or the like. 2,442,524, June 1.
- Witt, Marcus K., Hempstead, N. Y., assignor to The Sperry Corporation. Radar device. 2,437,286, Mar. 9.
- Witt, Minnie, executrix: *See*—Nelson, Adelbert M.
- Wittcoff, Edward, University City, assignor to Caradine Hat Company, St. Louis, Mo. Headwear. 2,451,140, Oct. 12.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Hydroxyphosphatides. 2,445,948, July 27.
- Witte, Byron V., Birmingham, Ala. Waterproof pistol holster. 2,455,635, Dec. 7.
- Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. Control circuit. 2,445,549, July 20.
- Witter, Lawrie L., assignee: *See*—Sullivan, John J.
- Wittgenstein, Gérard F., La Tour De Peilz, Switzerland. Disc slide rule. 2,435,705, Feb. 10.
- Wittig, Carl H. O., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Adjustable pinion shaft bearing for microscopes. 2,449,156, Sept. 14.
- Wittig, Diedrich J., assignee: *See*—Wittig, Homer F.
- Wittig, Homer F., assignor of one-half to D. J. Wittig, Green Bay, Wis. Safety plug-in electrical receptacle. 2,446,971, Aug. 10.
- Wittlinger, Leonard M., Linden, assignor to General Motors Corporation, Detroit, Mich. Mercury interrupter. 2,449,439, Sept. 14.
- Wittman, Emil R., Grand Rapids, Mich. Adjustable gunstock. 2,453,394, Nov. 9.
- Wittmann, Robert A., assignor to E. B. Mathewson Co., Chicago, Ill. Temperature responsive control device. 2,446,353, Aug. 3.
- Wittner, Max E., Brooklyn, N. Y. Bust molding and uplifting garment. 2,456,552, Dec. 14.
- Wizard Mfg. Co., Inc., assignee: *See*—Sensenbach, Elmo R., and Shaver.
- Wlodkowski, Raymond J.: *See*—Risser, Jacob R., and Wlodkowski.
- Wobker, Burt F., Mission, Kans., assignor to Phillips Petroleum Company. Treatment of fluids with comminuted solids. 2,456,035, Dec. 14.
- Woditsch, Frank J., St. Clair Shores, assignor of one-half to R. C. Patzer, Detroit, Mich. Pin tooth gearing. 2,448,164, Aug. 31.
- Woerner, Herbert R., Mannheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Floor and wall covering. 2,434,974, Jan. 27.
- Woessner, Warren W.: *See*—Rosenberg, Hans R., and Woessner.
- Wohlberg, George, Annapolis, Md. Wet-type water-separating steam-inhibiting exhaust muffler. 2,455,965, Dec. 14.
- Wohlforth, Walter W., San Francisco, Calif., assignor to The Heil Co., Milwaukee, Wis. Side gate elevator for trucks. 2,456,805, Dec. 21.
- Wolna, Benjamin A.: *See*—Theil, Michael, and Wolna.
- Wolcott, Frank E., West Hartford, assignor to The Silx Company, Hartford, Conn. Steaming and pressing iron. 2,434,136, Jan. 6.
- Wolcott, Herbert, assignee: *See*—Shadday, Roland O.
- Wolcott, Herbert, Columbia, Mo. Supervisory signal system for water softeners. 2,439,354, Apr. 6.
- Woldring, Bert, assignor to The Rapids-Standard Company, Grand Rapids, Mich. Dolly structure for conveyors. 2,452,978, Nov. 2.
- Wolf, Alexander: *See*—Herzog, Gerhard, and Wolf.
- Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Seismic method of locating faults. 2,449,921, Sept. 21.
- Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method of logging boreholes. 2,450,265, Sept. 28.
- Wolf, Alexander, and G. Herzog, Houston, Tex., assignors to The Texas Company, New York, N. Y. Photoelectric cell circuit. Re. 23,023, Aug. 3.
- Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Liquid level measurement and control. 2,456,233, Dec. 14.
- Wolf, Barry M., assignee: *See*—Mallard, Logan L.
- Wolf Brothers, assignee: *See*—Ringer, William A.
- Wolf, Cecil, Rock Falls, and N. M. Foulds, Sterling, Ill., assignors of one-half to The Rapids-Standard Company, Inc., Grand Rapids, Mich., and one-half to Frantz Manufacturing Company, Sterling, Ill. Roller wheel. 2,457,424, Dec. 28.
- Wolf, Donald E.: *See*—Folkers, Karl, and Wolf.
- Folkers, Karl, Mozingo, and Wolf.
- Peck, Robert L., Harris, Mozingo, Wolf, and Folkers.
- Wolf, Donald E., and A. C. Shabica, Jr., Rahway, N. J., assignors to Merck & Co., Inc. A benzoic acid dl-cis-2-(4'-carboxybutyl)-3,4-diamino-tetrahydrothiophene sulfate complex. 2,437,719, Mar. 16.
- Wolf, Frank M., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Fluid cooled four-way valve. 2,437,144, Mar. 2.
- Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Reflector. 2,452,822, Nov. 2.
- Wolf, John L., Bloomsburg, and W. C. Wolf, York, Pa. Wire-bending machine. 2,456,353, Dec. 14.
- Wolf, Ralph F., Westfield, and W. J. Sparks, Elizabeth, N. J., assignors to Standard Oil Development Company. Sulfur-chloride treated butyl rubber as tie-gum. 2,442,068, May 25.
- Wolf, Robert A., Eggertsville, and Luell M. Graham, Williamsville, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Pneumatic aircraft float. 2,439,196, Apr. 6.
- Wolf, Robert W.: *See*—D'Ardenne, Walter H., Devore, Wolf, and Boyd.
- Wolf, William C.: *See*—Wolf, John L. and W. C.
- Wolffard, Merl R., Cambridge, Mass. Stabilizing harness for suspension bridges. 2,433,878, Jan. 6.
- Wolffard, Merl R., Cambridge, Mass. Stabilizing devices for resilient structures. 2,457,425, Dec. 28.
- Wolffard, Merl R., Cambridge, Mass. Devices for arresting undulations in bridging structures. 2,457,426, Dec. 12.
- Wolffard, Merl R., Cambridge, Mass. Spring means for minimizing undulations in suspension bridges. 2,457,427, Dec. 12.
- Wolfe, Asher M., Bloomsburg, Pa. Pivoted multiple lever cap gripping wrench. 2,442,795, June 8.
- Wolfe, Benjamin M., Monterey Park, Calif. Fishing reel. 2,446,354, Aug. 3.
- Wolfe, Charles M., Seattle, Wash., to Boeing Airplane Company. Manometer. 2,445,200, July 13.
- Wolfe, George H., Kalamazoo, Mich., assignor, by mesne assignments, to D. E. MacKenzie, Reno, Nev. Valve construction. 2,441,524, May 11.
- Wolfe, Herbert J., Maspeth, and P. W. Greubel, Long Island City, assignors to American Can Company, New York, N. Y. Printing ink composition. 2,435,992, Feb. 17.
- Wolfe, Lester, U. S. Navy. Magnetic compass. 2,446,568, Aug. 10.
- Wolfe, Lester J., Appleton, N. Y. Centrifugal blower rotor. 2,443,411, June 15.
- Wolfe, Morton B., Norwood, assignor to Berger Bros. Company, Philadelphia, Pa. Conductor pipe hook. 2,439,616, Apr. 13.
- Wolfenden, Harry C., Attleboro, Mass. Spacer and protector for yarn-holding devices. 2,437,987, Mar. 16.
- Wolff, Franklin J., Trenton, N. J. Spark plug. 2,445,704, July 20.
- Wolff, Hanns-Heinz, Berlin, Germany; vested in the Attorney General of the United States. Electrical light impulse generator. 2,449,536, Sept. 14.
- Wolff, Harry J. D., Van Nuys, assignor to E. A. Huntley, Burbank, Calif. Knitting device. 2,450,067, Sept. 28.
- Wolff, Irving: *See*—Weimer, Paul K., and Zworykin, and Wolff.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Object detecting device. 2,351,141, Oct. 12.
- Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Pulse echo distance measuring system. 2,438,836, Mar. 30.
- Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Vibratory mechanical system. 2,445,014, July 13.
- Wolff, Ivan, New York, N. Y. Wrist watch band. 2,448,943, Sept. 7.
- Wolff, Jack, Brooklyn, N. Y. Window air vane device. 2,453,561, Nov. 9.
- Wolff, Julius, Amstenrade, Netherlands; vested in the Attorney General of the United States. Device for the manufacture of artificial sausage skins. 2,448,667, Aug. 31.
- Wolff, Otto E.: *See*—Bachelder, Albert J., and Wolff.
- Bachelder, Albert J., and Wolff.
- Land, Edwin H., Bachelder, and Wolff.
- Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Developing camera. 2,443,154, June 8.
- Wolff, Otto E., Chestnut Hill, assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Torque-transmitting apparatus. 2,447,384, Aug. 17.
- Wolff, Robert L., Milwaukee, and W. J. Foy, Thiensville, assignors to Globe-Union Inc., Milwaukee, Wis. Frequency selecting switch. 2,440,037, Apr. 20.
- Wolff, Robert L., and W. Weber, assignors to Globe-Union Inc., Milwaukee, Wis. Multiple switch interlock. 2,451,602, Oct. 19.
- Wolffe, Erwin B., Chicago, Ill. Vaginal gauge. 2,456,806, Dec. 21.

- Wolfram, John N.: *See*—
Parker, Arthur L., and Wolfram.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,437,632, Mar. 9.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,444,622, July 6.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Flexible coupling. 2,452,889, Nov. 2.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,452,890, Nov. 2.
- Wolfson, David, and H. Seiden, Far Rockaway, Long Island, N. Y. Flexible antipicking blinders for poultry. 2,445,867, July 27.
- Wolfson, Henry, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Cathode-ray tube and visual indicating systems for apparatus including cathode-ray tube. 2,436,847, Mar. 2.
- Wolfson, Sam, Chicago, Ill. Combined container and dispenser. 2,434,238, Jan. 6.
- Wolgamot, Harold D., assignee: *See*—
Wilson, Paul B.
- Wolgen Company, The, assignee: *See*—
Koci, Jerry C.
- Wolk, I. Louis: *See*—
Upham, John D., and Wolk.
- Wollin, Robert H., assignor to W. J. Nesbitt, Milwaukee, Wis. Garment hanger. 2,439,355, Apr. 6.
- Wollner, Paul: *See*—
Kittel, George P., and Wollner.
- Wolpert, Walter J., assignor of one-half to M. A. Milling, Indianapolis, Ind. Safety razor. 2,455,152, Nov. 30.
- Wolthus, Euno, Cranford, and H. M. Shafer, Westfield, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of hydroxy aromatic carboxylic acids. 2,453,105, Nov. 2.
- Wolveine Equipment Co., assignee: *See*—
Myers, Woolmer W.
- Womack, Samuel W., Quanah, Tex. Eye exerciser. 2,442,255, May 25.
- Womble, Glenn F., Danville, Va., assignor to Dan River Mills, Incorporated. Continuous dyeing of textile materials. Re. 23,004, May 25.
- Wong, Gee J., Santa Barbara, Calif. Money-changer. 2,435,666, Feb. 10.
- Wong, James T., Vallejo, Calif. Preformed packing making machine. 2,441,177, May 11.
- Wong, Soon Y., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Concentrating and refining formaldehyde solutions by distillation with hydrocarbons. 2,452,412, Oct. 26.
- Wong, Soon Y., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Concentrating and refining formaldehyde solutions by distillation with halogenated hydrocarbons. 2,452,413, Oct. 26.
- Wong, Soon Y., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Concentrating and refining formaldehyde solutions by distillation with oxygenated hydrocarbon derivatives. 2,452,414, Oct. 26.
- Wong, Soon Y., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Concentrating and refining formaldehyde solutions by distillation with hydrocarbon derivatives containing nitrogen and oxygen. 2,452,415, Oct. 26.
- Woo, John P., San Francisco, Calif. Protective mask. 2,444,393, June 29.
- Woock, Eric M., Lodi, Calif. Vineyard plow. 2,434,730, Jan. 20.
- Woock, Herbert J., Alhambra, Calif. Venting for mold cavities in centrifugally casting. 2,442,718, June 1.
- Wood, Albert E.: *See*—
Seamon, David J., Wood, and Hathaway.
- Wood, Alfred R., Portland, Maine. Magnetic coupling. 2,437,871, Mar. 16.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread pull-off mechanisms for sewing machines. 2,438,833, Mar. 30.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine safety device. 2,440,227, Apr. 20.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker mechanism for sewing machines. 2,446,150, July 27.
- Wood, Allison A., Lanett, Ala. Yarn smoothing apparatus and method. 2,438,084, Mar. 16.
- Wood, Arthur H., assignor to Simplex Paper Corporation, Adrian, Mich. Apparatus for creping paper. 2,447,784, Aug. 24.
- Wood, Chester F., Stony Brook, N. Y. Invalid's vehicle. 2,433,969, Jan. 6.
- Wood, Clifford: *See*—
Haddock, Norman H., and Wood.
- Wood, Clifford, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Preparing sulfur-containing phthalocyanine dyestuffs. 2,453,953, Nov. 16.
- Wood Conversion Company, assignee: *See*—
Heritage, Clark C.
Pauley, Robert D.
Walter, Henry E.
- Wood, Daniel B., Bowling Green, Ky. Air power windmill. 2,457,514, Dec. 28.
- Wood, Edward L., Detroit, Mich. Wheel trim. 2,455,151, Nov. 30.
- Wood, Frank E., Sturgis, S. Dak. Wheel chair. 2,452,886, Nov. 2.
- Wood, Frederick C.: *See*—
Hall, Archibald J., and Wood.
- Wood, Fredric E., McHenry, F. Gienger, Highland Park, E. Decker, Chicago, and R. L. Sargisson, Berwyn, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Calling device. 2,448,647, Sept. 7.
- Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay yoke. 2,456,036, Dec. 14.
- Wood, Gar, Industries, Inc., assignee: *See*—
Bennett, Robert N.
Miller, George E.
- Wood, Geoffrey H., Toronto, Ontario, Canada. Container. 2,451,644, Oct. 19.
- Wood, Halbert M., Madison, Wis. High chair construction. 2,457,294, Dec. 28.
- Wood, Henry W.: *See*—
Kendall, John D., Suggate, and Wood.
Kendall, John D., Wood, and Majer.
- Wood, Hope E., assignee: *See*—
Turner, Erville W.
- Wood, Howard L., Oskaloosa, Iowa. Liquid level gauge. 2,451,704, Oct. 19.
- Wood, John, Manufacturing Company, Inc., assignee: *See*—
Willson, David S.
- Wood, Joseph H., Jr., Dallas, Tex., assignor to Atlantic Pipe Line Company, Philadelphia, Pa. Generator for pipe lines. 2,436,683, Feb. 24.
- Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Support. 2,437,631, Mar. 9.
- Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Support device. 2,439,067, Apr. 6.
- Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Support device. 2,447,830, Aug. 24.
- Wood, Justice W., Detroit, Mich. Toggle clamp. 2,456,100, Dec. 14.
- Wood, Kenneth R., U. S. Army, Fort Dix, N. J. Statistical slide rule. 2,434,306, Jan. 13.
- Wood, Lawrence A., Jr., Indianapolis, Ind., assignor to Radio Corporation of America. Making phonograph records. 2,452,821, Nov. 2.
- Wood, Leonard: *See*—
Bacon, Reginald G. R., Taylor, and Wood.
- Wood, Louvan E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Coding apparatus. 2,452,090, Oct. 26.
- Wood, Maurice L.: *See*—
Crampton, Donald K., and Petersen, and Wood.
- Wood Newspaper Machinery Corporation, assignee: *See*—
Roesen, Oscar C.
Tollison, Paul L.
- Wood, Richard T., Memphis, Tenn. Bridging switch for testing series light circuits. 2,439,500, Apr. 13.
- Wood, Ross, Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Flexible electrode support for electron discharge devices. 2,444,082, June 29.
- Wood, Thomas F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Alpha-acetoxymethyl acrylonitrile polymers. 2,453,824, Nov. 16.
- Wood, W. C., Company, The, assignee: *See*—
Fair, John L.
- Wood, William H.: *See*—
Fasce, Egi V., and Wood.
Frey, Frederick E., McKinney, and Wood.
- Wood, Winchester R., Nahant, and E. E. Gaudet, West Lynn, Mass., assignors to General Electric Company, Generation system. 2,444,799, July 6.
- Woodall Industries, Inc., assignee: *See*—
Dee, Herbert C.
Peltier, Walter J., and Diroff.
- Woodberry, David L., U. S. Army, W. W. Howerton, Bel Air, Md., and A. Dunbar, Teaneck, N. J., assignors to the Secretary of War of the United States of America, as trustee. Incendiary material. 2,452,091, Oct. 26.
- Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Cartridge orientating hopper. 2,453,736, Nov. 16.
- Woodbridge, Joseph Lester, Philadelphia, Pa., assignor to The Electric Storage Battery Company. Nonspill vent for storage batteries. 2,437,145, Mar. 2.
- Woodbury, Glen P., Mountain Lakes, N. J., assignor to Stapling Machines Co. Machine for making wirebound boxes. 2,452,887, Nov. 2.
- Woodbury, Stephen E.: *See*—
Curry, Robert S., Jr., Lane, and Woodbury.
- Woodbury, Stephen E., assignor to Reid Brothers Company, Inc., Beverly, Mass. Cross-feed mechanism. 2,437,986, Mar. 16.
- Woodcock, Charles H., assignor to The Atlantic Refining Company, Philadelphia, Pa. Tube gauge. 2,451,600, Oct. 19.
- Woodcock, Reginald B.: *See*—
Ricks, Fred, and Woodcock.
- Woodhead, Henry A., Jr.: *See*—
Converse, Sherman, and Woodhead.

- Woodhead, John A., Swarthmore, Pa. Duck decoy. 2,457,295, Dec. 28.
- Woodhouse, Noel: *See*—
Leno, John A., and Woodhouse.
- Woodin, William H., Jr., assignor: *See*—
Soller, Walter.
- Woodings-Verona Tool Works, assignee: *See*—
Woodings, Wilbert H., Skowron, and McComb.
- Woodings, Wilbert H., Oakmont, E. A. Skowron, Pittsburgh, Pa., and R. J. McComb, Chicago, Ill., assignors to Woodings-Verona Tool Works, Verona, Pa. Rail anchor. 2,438,085, Mar. 16.
- Woodland, Paul C.: *See*—
Gerould, Charles H., and Woodland.
- Woodling, George V., Cleveland, Ohio. Tube coupling sleeve. 2,434,975, Jan. 27.
- Woodling, George V., Cleveland, Ohio. Coupling device. 2,435,261, Feb. 3.
- Woodling, George V., Cleveland, Ohio. Sleeve nut coupling. 2,438,529, Mar. 30.
- Woodling, George V., Cleveland, Ohio. Coupling member. 2,438,530, Mar. 30.
- Woodling, George V., Cleveland, Ohio. Tube fitting coupling. 2,452,275, Oct. 26.
- Woodling, George V., Cleveland, Ohio. Tube fitting device. 2,452,276, Oct. 26.
- Woodling, George V., Cleveland, Ohio. Tube coupling. 2,452,277, Oct. 26.
- Woodling, George V., Cleveland, Ohio. Tube coupling device. 2,452,278, Oct. 26.
- Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt hold-down. 2,444,969, July 13.
- Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Toe rest. 2,450,068, Sept. 28.
- Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt pressing means for sole attaching machines. 2,450,069, Sept. 28.
- Woodruff, Albert E.: *See*—
Blair, William R., and Woodruff.
- Woodruff, Albert N., Washington, D. C. Clock. 2,450,264, Sept. 28.
- Woodruff, Harold B.: *See*—
Waksman, Selman A., and Woodruff.
- Woodruff, Jackson A., St. Davids, Pa., assignor to American Viscose Corporation, Wilmington, Del. Flame-retarding material and making the same. 2,454,245, Nov. 16.
- Woods, Clayton W., Omaha, Nebr. Liquid filtering mechanism. 2,445,287, July 13.
- Woods, Edgar C., Gravesend, assignor to Henley's Tyre & Rubber Company, Darking, England. Tire for vehicles. 2,454,750, Nov. 23.
- Woods, John E., Brookline, assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Heat exchange apparatus. 2,437,287, Mar. 9.
- Woods, John E., Cohasset, assignor, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Self-propelled circulating heater. 2,454,296, Nov. 23.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft engine support. 2,446,399, Aug. 3.
- Woods, Samuel J., Newport, R. I. Foot propelled vehicle. 2,449,266, Sept. 14.
- Woods, Webster F., Glendale, Calif. Folding dinette table. 2,456,037, Dec. 14.
- Woods, William P.: *See*—
Gates, Charles W., and Woods.
- Woodson, James M., Greenwood, Va. Brake cable adjuster. 2,449,031, Sept. 7.
- Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Support for spin basket for clothes-washing machines and the like. 2,454,112, Nov. 16.
- Woodward, Charles F., Abington, D. H. Saunders, Oreland, and R. C. Provost, Jr., Washington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Alkylnicotinium arylsulfonate pesticide. 2,456,851, Dec. 21.
- Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Culture of penicillium molds. 2,443,172, June 8.
- Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Treating shrimp. 2,451,897, Oct. 19.
- Woodward, Ernest M., McDonald, Ohio. Toy railway bridge. 2,452,888, Nov. 2.
- Woodward, Foster R., Pleasant Ridge, Mich., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding apparatus. 2,452,009, Oct. 19.
- Woodward, Foster R., Pleasant Ridge, Mich., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding apparatus. 2,452,010, Oct. 19.
- Woodward Governor Company, assignee: *See*—
Avery, Clarence L.
Bovey, Donald E.
Drake, George F.
Whitehead, Willard J.
- Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Antenna system. 2,444,320, June 29.
- Woodward, Robert B.: *See*—
Georgian, Vlasios, Amon, Gofstein, Land, West, and Woodward.
- Woodward, Robert B., assignor to Polaroid Corporation, Cambridge, Mass. Evaporated and deposited birefringent film comprising aromatic compound, the molecules of which contain planar groupings. 2,447,831, Aug. 24.
- Woodward, Robert L., Jr., Nashville, Tenn. Unloading device for mobile tractors. 2,448,944, Sept. 7.
- Woodward, Teynham, Del Monte, A. W. Vettel, Watsonville, and H. F. Scandrett, Oakland, Calif., assignors, by mesne assignments, to The Permanente Metals Corporation. Apparatus for effecting heat exchange between a gas and a liquid. 2,434,976, Jan. 27.
- Woodworth, Donald J.: *See*—
Eglinton, George F., and Woodworth.
- Woodworth, N. A., Company, assignee: *See*—
Hohwart, George.
Hohwart, George and E. F.
Hohwart, George and E. F., and Smith.
- Woody, Albert L., Homewood, Ill. Engraving machine. 2,449,097, Sept. 14.
- Woodyard, John R.: *See*—
Hansen, William W., and Woodyard.
Varian, Russell H., Hansen, and Woodyard.
- Woolaver, George I., Milford, N. J. Continuous process centrifuge. 2,435,665, Feb. 10.
- Wooldridge, Dean E.: *See*—
Darlington, Sidney, Townes, and Wooldridge.
- Wooldridge, Mack, Oakland, Calif., assignor to American Tractor Equipment Corporation. Earth working tool. 2,444,321, June 29.
- Wooldridge Manufacturing Company, assignee: *See*—
Lindsley, Lawrence B.
- Woolery, Horace E., St. Paul; M. L. Woolery, executrix of said H. E. Woolery, deceased, assignor to Woolery Machine Company, Minneapolis, Minn. Weed burner. 2,452,411, Oct. 26.
- Woolery, Horace E., Deceased, by M. L. Woolery, executrix, St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Weed burning apparatus. 2,454,365, Nov. 23.
- Woolery Machine Company, assignee: *See*—
Woolery, Horace E.
- Woolery, Myra L., executrix: *See*—
Woolery, Horace E.
- Woolley, Ernest G., Wichita, Kans. Side file and jointer for spring and swage tooth saws. 2,438,086, Mar. 16.
- Woolley, Edward L.: *See*—
Row, Stuart B., and Woolley.
- Woolley, Lee A., assignor to Kingston Products Corporation, Kokomo, Ind. Skate construction. 2,451,601, Oct. 19.
- Woolley, Rew E., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Chart supporting and feeding means for recording instruments. 2,446,400, Aug. 3.
- Woolmer, Thomas J., Jr., Baltimore, Md. Electromagnetic lock-opening system. 2,445,376, July 20.
- Woolsey, Theodore A., Inglewood, Calif., assignor to Marman Products Co., Inc. Tube clamp. 2,457,077, Dec. 21.
- Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Chain coupling. 2,448,482, Aug. 31.
- Woolson, Charles H., Syracuse, N. Y. Universal drill jig. 2,453,482, Nov. 9.
- Woolson, Harry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mine exploder. 2,455,636, Dec. 7.
- Wooster, Vernon J., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Transmitting oscillatory motion to washing machine agitators. 2,441,053, May 4.
- Worcester Polytechnic Institute, assignee: *See*—
Holbrook, John A.
- Worden, Elmer J., Kalamazoo, Mich. Paper making machine. 2,443,366; June 15.
- Worden, R. B., Granger, Wash. Casting sinker. 2,435,730, Feb. 10.
- Worden, R. B., Granger, Wash. Fishing hook and fly. 2,457,428, Dec. 28.
- Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Piston expander for slotted and unslotted piston skirts. 2,442,834, June 8.
- Work, Robert H.: *See*—
O'Kelly, Arlie A., and Work.
- Workman, Lawrence H.: *See*—
Smith, Ralph E., and Workman.
- Works, Madden T.: *See*—
Allen, Herbert, and Works.
- Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Flow device. 2,433,942, Jan. 6.
- Works, Madden T., assignor to Cameron Iron Works, Houston, Tex. Crossover flow device. 2,439,327, Apr. 6.
- Worldsbest Industries, Inc., assignee: *See*—
Bothe, Werner H.
- Worley, James D., Burbank, Calif., assignor to Lord Manufacturing Company, Erie, Pa. Bonded rubber joint for couplings and the like and making the same. 2,444,904, July 6.
- Worley, John W., Hanover, Pa. Paper roll holder. 2,441,740, May 18.

- Worley, Richard H., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Suitcase valance structure. 2,454,366, Nov. 23.
- Wormeck, Herbert A., and F. P. Hess, assignors to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Juicer. 2,446,151, July 27.
- Woroneski, Joseph, Croydon, Pa. Spinning toy. 2,436,158, Feb. 17.
- Worrall, George H., Kirkwood, Mo., assignor to National Lead Company, New York, N. Y. Soft lead solder. 2,439,068, Apr. 6.
- Worrall, Robert H., Washington, D. C. Radio direction finder. 2,434,977, Jan. 27.
- Worth, Arthur A., Lebanon, N. H., assignor to Whitin Machine Works, Whitinsville, Mass. Yarn-catching device for spinning frames. 2,435,667, Feb. 10.
- Worth, Robert, Nutley, N. J., assignor to Homelite Corporation, East Port Chester, Conn. Power hammer. 2,447,886, Aug. 24.
- Worth, Weldon, Dayton, Ohio. Oil temperature control unit. 2,453,737, Nov. 16.
- Worth, Weldon, Dayton, Ohio. By-passing valve for oil temperature control units. 2,454,297, Nov. 23.
- Worthen, Eugene P., Braintree, F. S. Barbour, Wollaston, and S. R. Putnam, North Quincy, Mass., assignors, by mesne assignments, to Buena Vista Iron Company, Separator. 2,439,536, Apr. 13.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Bore gauge. 2,435,949, Feb. 10.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Grinding machine. 2,441,784, May 18.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Bore gauge. 2,454,246, Nov. 16.
- Worthington, Emory W.: See—
Riggs, Joseph A., Worthington, and Knell.
- Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press frame. 2,447,887, Aug. 24.
- Worthington-Gamon Meter Company, assignee: See—
Metzger, Fredrick P.
- Worthington Pump and Machinery Corporation, assignee: See—
Burrus, Paul B., and Leinberger.
Gilman, Frederick C.
Hahn, Clarence J.
Lancaster, John E.
Lücke, Charles E.
Noodleman, Samuel.
Sebald, Joseph F.
Zwickl, Joseph R.
- Worthman, Irving, Brooklyn, N. Y. Screen. 2,445,164, July 13.
- Wortman, O. W., assignee: See—
Sarver, Emmett F.
- Wotton, John, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Control systems for adjusting the incidence of the blades of the rotor of a rotary wing aircraft. 2,445,550, July 20.
- Woyach, Agnes, Mequon, Wis. Storm boot with removable protective lining. 2,440,563, Apr. 27.
- Wrathall, Jay R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer. 2,438,026, Mar. 16.
- Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer control system. 2,436,345, Feb. 17.
- Wrathall, John R., and J. G. Ivy, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamometer control system. 2,436,346, Feb. 17.
- Wray, Robert J., Modesto, Calif. Plow assembly mount. 2,437,581, Mar. 9.
- Wread Overhead Door Co., assignee: See—
Wread, William E.
- Wread, William E., assignor, by mesne assignments, to Wread Overhead Door Co., Los Angeles, Calif. Mounting overhead garage doors. 2,441,741, May 18.
- Wread, William E., assignor, by mesne assignments, to Wread Overhead Door Co., Los Angeles, Calif. Hardware for overhead doors. 2,441,742, May 18.
- Wrege, Edgar E., Carlsbad, N. Mex., and W. A. Cunningham, Austin, Tex., assignors to International Minerals & Chemical Corporation, Chicago, Ill. Manufacture of magnesium chloride. 2,442,525, June 1.
- Wretling, Karl A. J., Stockholm, Sweden. Manufacture of amino acid preparations intended for intravenous supply of nutrients. 2,433,879, Jan. 6.
- Wright Aeronautical Corporation, assignee: See—
Browne, Kenneth A.
Du Bois, George B.
Lundquist, Wilton G.
Moore, Vincent.
Sherwin, Frederick S.
Weeks, Walter L.
- Wright, Antony, Drexel Hill, Pa., assignor to Radio Corporation of America. Compensating device. 2,449,969, Sept. 23.
- Wright, Arthur, Forest Hills, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Light-sensitive element for color photography. 2,437,924, Mar. 16.
- Wright, Arthur E., assignee, et al.: See—
De Swart, Jan.
- Wright-Batchelder Corporation, assignee: See—
Phinney, William E.
Wright, Wallace C.
- Wright, Ben W., Mountain Lakes, N. J., assignor to Curtiss-Wright Corporation. Welding method and apparatus. 2,438,593, Mar. 30.
- Wright, Bruce K., Lakewood, assignor to Centrifix Corporation, Cleveland, Ohio. Marine sea chest sand separator. 2,450,070, Sept. 28.
- Wright, Carleton H., U. S. Navy, G. A. Chadwick, and P. W. Burk, Washington, D. C. Remote control system. 2,453,173, Nov. 9.
- Wright, Charles W., Tipton, Kans. Printer's knockout. 2,455,033, Nov. 30.
- Wright, Clifton C., Chicago, Ill., assignor to Rapid Specialties Company. Electrical test clip. 2,436,280, Feb. 17.
- Wright, David I.: See—
Peterson, Eric O., Wright, and Heaton.
- Wright, Donald L.: See—
Davis, William S., Jr., and Wright.
- Wright, Edwin Herbert, Farnham Common, England. Projection of stereoscopic images. 2,437,061, Mar. 2.
- Wright, Frank, Haworth, assignor to Prince-Smith & Stella Limited, Keighley, England. Centrifugal spinning, twisting, and analogous machine. 2,450,622, Oct. 5.
- Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic system for reciprocating breaker plates for reversible rotary crushers. 2,440,388, Apr. 27.
- Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Detent mechanism for pressure regulators. 2,446,355, Aug. 3.
- Wright, George P., H. H. Richmond and D. C. Downing, Toronto, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Preparing an explosive. 2,434,879, Jan. 20.
- Wright, George T.: See—
Staudinger, Hanns P., Faulkner, and Wright.
- Wright, Hal F., assignor to Chester Manufacturing Company, Lisbon, Ohio. Trolley locking device. 2,435,418, Feb. 3.
- Wright, Harold R., West Kilbride, and W. G. Allan, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Plastic detonating compositions. 2,439,328, Apr. 6.
- Wright, Harry T., Richmond, Va. Fireplace heating system. 2,453,954, Nov. 16.
- Wright, Howard E., Jr., Silver Spring, Md. Sealing and potting composition consisting of tri (p-tertiary butyl phenyl) phosphate and coumarone-indene resin. 2,453,174, Nov. 9.
- Wright, James F., Upper Montclair, N. J. Starting device, compression relief with automatic lock release. 2,443,999, June 22.
- Wright, James G. E., Alplaus, N. Y., assignor to General Electric Company. Making dimethyl silicone products. 2,452,416, Oct. 26.
- Wright, James G. E., Schenectady, N. Y., assignor to General Electric Company. Heat-curable elastic compositions of matter. 2,453,562, Nov. 9.
- Wright, James G. E., Alplaus, and C. S. Oliver, Schenectady, N. Y. assignors to General Electric Company. Dimethyl silicon elastomers and preparing the same. 2,448,565, Sept. 7.
- Wright, John H., Philadelphia, Pa. Toy. 2,442,526, June 1.
- Wright, Marshall M., Pierpont, Ohio. Corn remover for cooked sweet corn. 2,447,301, Aug. 17.
- Wright, Oliver A.: See—
Bassinger, Ross, and Wright.
- Wright, Richard H., Cleveland, Ohio. Cord equalizer for Venetian blinds. 2,438,101, Mar. 16.
- Wright, Robert L., II, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable splice. 2,452,823, Nov. 2.
- Wright, Roger E., San Antonio, Tex. Automobile bumper support for outboard motors. 2,439,707, Apr. 13.
- Wright, Roland T., St. Louis, Mo., assignor, by mesne assignments, to Bick Corporation. Vending machine. 2,437,311, Mar. 9.
- Wright, Samuel B., Coventry, England. Tailstock lathe for drilling. 2,453,825, Nov. 16.
- Wright, Stanley, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Anchoring whipstocks. 2,445,100, July 13.
- Wright, Wallace C., Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Preformed welt. 2,448,165, Aug. 31.
- Wright, William C., D. G. Rowe, Jr., and E. F. Roberts, Hickory, N. C. Vulcanizing apparatus. 2,455,637, Dec. 7.
- Wrightsmen, Gilbert G., Houston, Tex., assignor to Standard Oil Development Company. Consolidating formations. 2,434,605, Jan. 13.
- Wisley, Kenneth S., Cuba, N. Y. Separator. 2,436,029, Feb. 17.
- Wroblewski, Leonard: See—
Harvill, Tom R., and Wroblewski.
- Wu Pe, Nanking, China. Ignition plug. 2,456,080, Dec. 14.
- Wubben, Robert W., Los Angeles, Calif. Auto top ski carrier. 2,434,826, Jan. 20.

- Wuensch, Charles E., Saratoga, Calif. Pump. 2,444,586, July 6.
- Wunsch, Felix: *See*—
Phillips, William E., and Wunsch.
- Wunsch, Guido, B. Weinkauff, W. Sadowski, and H. Kobischke, Berlin, Germany; vested in the Attorney General of the United States. Rudder machine for automatic pilots. 2,438,957, Apr. 6.
- Wunsch, Oscar O., Gulfport, Miss. Medicinal atomizer. 2,449,734, Sept. 21.
- Wurdeman, Edward, Minneapolis, Minn. Mop wringer with pressure rollers and carrying bail. 2,438,087, Mar. 16.
- Wurlitzer Rudolph Company, The, assignee: *See*—
Hokanson, Otto A.
Osborne, Fred H.
Socin, Francis C.
- Wurmser, Alphons V., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-modulated oscillator. 2,435,262, Feb. 3.
- Wurtele, Allan R., Mix, La. Conveying mechanism for harvesters. 2,435,334, Feb. 3.
- Wurtele, Allan R., Mix, La. Harvester-loader. 2,439,278, Apr. 6.
- Wurzburger, Hugo, New York, N. Y., assignor to P. D. Wurzburger, Cleveland Heights, Ohio. Imitation fabric. 2,434,532, Jan. 13.
- Wurzburger, Hugo, New York, N. Y., assignor to P. D. Wurzburger, Cleveland Heights, Ohio. Imitation filaments, ropes, yarns, and the like. 2,434,533, Jan. 13.
- Wurzburger, Paul D., assignee: *See*—
Wurzburger, Hugo.
- Wurzel, Hugo: *See*—
Feitl, Rudolf and Wurzel.
- Wutscher, Theodor, Parkstone, assignor to The Loewy Engineering Company Limited, London, England. Rotary stamping machine. 2,441,862, May 18.
- Wyandotte Chemicals Corporation, assignee: *See*—
Ash, Arthur B., Carlson, Koslin, and Vaughn.
Beecher, Brazier K.
Darbyshire, Richard W.
Osten, Reuben A.
Tremain, Henry E.
Tremain, Henry E., and Bacon.
Vaughn, Thomas H.
Wegst, Walter F., Bacon, and Vaughn.
- Wyatt, Ben K.: *See*—
Brooks, Tony P., and Wyatt.
- Wyatt Manufacturing Company, Incorporated, The, assignee: *See*—
Warren, William V.
- Wyble, Glen D., Maywood, Calif. Wind screen. 2,437,062, Mar. 2.
- Wybrants, Wade M., New York, N. Y. Massage head. 2,441,682, May 18.
- Wycinowski, Robert F.: *See*—
Baugh, Raymond N.
- Wyckoff, Lewis B., Lewiston, N. Y., assignor to Electro Metallurgical Company. Treating ores and concentrate produced thereby. 2,445,377, July 20.
- Wycliffe Foundry & Engineering Company Limited, assignee: *See*—
Barrett, Guy.
- Wydro, Robert A., Brooklyn, N. Y. Dentist's and surgeon's saw. 2,435,863, Feb. 10.
- Wyen, Peter A., Minster, Ohio. Adjustable scaffold structure. 2,446,972, Aug. 10.
- Wyer, Richard F.: *See*—
Freeman, Raymond C., and Wyer.
- Wyeth Incorporated, assignee: *See*—
Alburn, Harvey E., Charney, and Bernhart.
Bruce, William F.
Bruce, William F., and Seifter.
Charney, Jesse.
Gorgy, Paul, and Williamson.
Jarowski, Charles I.
Jarowski, Charles I., and Stiller.
Mueller, George P., Stiller, and Lieberman.
Patterson, Wilbur L., and Williamson.
Rosen, Harry.
- Wyeth, Ralph S., Newark, Ohio. Windshield cover. 2,437,845, Mar. 16.
- Wyeth, Ralph S., Newark, Ohio. Supplemental food-storage cabinet for use in conjunction with refrigerators. 2,444,887, July 6.
- Wykoff, Garrett J., Yorktown, Va. Sheathed knife fastening. 2,439,197, Apr. 6.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Process for the preparation of dipentaerythritol hexanitrate. 2,437,582, Mar. 9.
- Wyer, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Obtaining dipentaerythritol from mixtures containing the same. 2,448,566, Sept. 7.
- Wylie, John R., San Francisco, Calif. Door lock protector. 2,454,904, Nov. 30.
- Wyllie, John S., East Orange, assignor, by mean assignments, to Tifflex, Inc., Newark, N. J. Forming rectangular flexible metal tubing. 2,440,792, May 4.
- Wyman, John H., Morristown, assignor to Electrical Industries, Inc., Newark, N. J. Electronic control system. 2,451,898, Oct. 19.
- Wyman, Thomas P., Suffern, and P. B. Ruppe, Bronxville, N. Y. Industrial truck and trailer. 2,439,232, Apr. 6.
- Wyrmer, William C., U. S. Navy, Oregon City, Ore. Hammering device. 2,456,662, Dec. 21.
- Wynkoop, Jean: *See*—
Baum, Nathaniel L., and Wynkoop.
- Wynn, Arthur R., Long Beach, Calif. Electrode holder. 2,457,193, Dec. 28.
- Wynne, Ira H.: *See*—
Manegold, Robert L., and Wynne.
- Wyss, Alphons, Bottmingen, near Basel, Switzerland. Device for discharging hollow glassware blown in a finishing mold. 2,438,088, Mar. 16.
- Wyss, Chris, Tillamook, Ore. Irrigation pipe coupling. 2,449,735, Sept. 21.
- Wytovich, Stanley A., assignor to Blossom Products Corporation, Allentown, Pa. Latch needle opener. 2,436,241, Feb. 17.
- Xenakis, James J., Chicago, Ill. Closure fastener. 2,444,716, July 6.
- Yackel, Edward C.: *See*—
Kenyon, William O., and Yackel.
- Yale, Harry L.: *See*—
Hearne, George W., Evans, and Yale.
- Yale & Towne Manufacturing Company, The, assignee: *See*—
Aubrey, William M.
Framhein, Herbert J.
Ledin, Charles.
Quayle, George.
Schroeder, Charles S.
Ulnski, Bronislaus.
Wartian, Avagim.
- Yanchenko, Basil J.: *See*—
Goodwin, Don O., and Yanchenko.
- Yanchenko, Basil J., Syracuse, N. Y., assignor to G. A. Braun, Inc., Chicago, Ill. Garment spotting apparatus. 2,445,592, July 20.
- Yanchenko, Basil J., assignor, by mesne assignments, to G. A. Braun, Inc., Syracuse, N. Y. Safety locking and unlocking two-hand control. 2,451,010, Oct. 12.
- Yanes, Francisco G., deceased, New York, N. Y.; A. F. Goddard, executrix. Printing surfaces and photomechanical reproduction generally. 2,441,609, May 18.
- Yanes, Francisco G., New York, N. Y.; A. F. Goddard, executrix of said F. G. Yanes, deceased. Molding half-tone values in printing surfaces. 2,454,729, Nov. 23.
- Yankee Metal Products Corp., assignee: *See*—
Daon, Rene.
- Yant, William P.: *See*—
Myers, Charles H., and Yant.
- Yarber, Gordon W., Seattle, Wash. Drafting table. 2,452,216, Oct. 26.
- Yarbor, James M., assignee: *See*—
Nickell, John E.
- Yarbroff, David L.: *See*—
Nixon, Alan C., and Yabroff.
- Yardeny, Michel N., New York, N. Y. Electric motor follow-up system. 2,433,970, Jan. 6.
- Yardeny, Michel N., New York, N. Y. Electric control apparatus for rapidly placing a load in any desired position. 2,439,329, Apr. 6.
- Yardeny, Michel N., New York, N. Y. Remote position control system. 2,440,838, May 4.
- Yardeny, Michel N., New York, N. Y. Dual control apparatus for continuous and preselected multiturn motion. 2,442,739, June 1.
- Yardeny, Michel N., New York, N. Y. Synchronous preset remote control system. 2,450,071, Sept. 28.
- Yardeny, Michel N., New York, N. Y. Radio-remote control apparatus. 2,454,022, Nov. 16.
- Yardeny, Michel N., New York, N. Y. Remote control with multiple-speed governor. 2,455,901, Dec. 7.
- Yardeny, Michel N., New York, and C. Prindle, Long Island City, N. Y.; said Prindle assignor to said Yardeny. Electrical pulsating drive. 2,440,228, Apr. 20.
- Yardeny, Michel N., and R. Bernas, New York, N. Y., said Bernas assignor to said Yardeny. Remote-control apparatus with adjustable gap. 2,453,106, Nov. 2.
- Yardeny, Michel N., and L. Kardorff, New York, N. Y.; said Kardorff assignor to said Yardeny. Combined clutch and brake. 2,455,900, Dec. 7.
- Yarin, Irving H., Chelsea, Mass. Igniter. 2,451,369, Oct. 12.
- Yarroll, Warren H.: *See*—
Jacobs, James H., and Yarroll.
- Yates, Cecil F., North Hollywood, and C. B. Nolte, Altadena, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Liquid seal pulsation dampener. 2,446,358, Aug. 3.
- Yates, Edward S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous formaldehyde storage. 2,440,732, May 4.
- Yates, Edward W.: *See*—
Lensky, George A., Tribble, and Yates.
- Yates, Harold R., Toronto, Ontario, Canada. Parallel neon bulb circuit. 2,443,490; June 15.
- Yates, Herbert, Kingsbury, London, England. Work holder. 2,452,824, Nov. 2.
- Yates, Olen H., Pontiac, Mich. Playing bar. 2,449,032, Sept. 7.
- Yates, Wallace J., Martinez, assignor to Shell Development Company, San Francisco, Calif. Stabilized organic compositions. 2,440,530, Apr. 27.

- Yawman Metal Products, Inc., assignee: *See—*
Yawman, Victor G.
- Yawman, Victor G., assignor to Yawman Metal Products, Inc., Rochester, N. Y. Trigger for firearms. 2,457,296, Dec. 28.
- Yeager, Henry C.: *See—*
Dailey, James R., and Yeager.
- Yeasting, Maynard C., Elmore, assignor to Toledo Scale Company, Toledo, Ohio. High-speed counter. 2,456,101, Dec. 14.
- Yeida, John O., Herculanum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Follow-up control. 2,437,846, Mar. 16.
- Yelkin, Herman J., Long Beach, Calif. Assembling resilient grommets to gear shift selector arms. 2,439,501, Apr. 13.
- Yellott, Kinloch N.: *See—*
Swartz, Milton D., and Yellott.
- Yeomans Brothers Company, assignee: *See—*
Yeomans, Charles.
- Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Pneumatic pumping system. 2,456,574, Dec. 14.
- Yeomans, Lucien I., assignor to Lucien I. Yeomans, Inc., Chicago, Ill. Bearing for rotary shafts. 2,448,341, Aug. 31.
- Yeomans, Lucien I., and D. Clausen, assignors to Lucien I. Yeomans, Inc., Chicago, Ill. Table drive mechanism. 2,451,899, Oct. 19.
- Yeomans, Lucien I., Inc., assignee: *See—*
Yeomans, Lucien I.
- Yeomans, Lucien I., and Clausen.
- Yeomans, Theron G., St. Joseph, Mich. Sutureless method of rectosigmoid anastomosis and apparatus therefor. 2,434,030, Jan. 6.
- Yerkes, John A., New York, N. Y. Pencil sharpener. 2,438,628, Mar. 30.
- Yett, Tommy, assignee: *See—*
Markham, Selwyn L.
- Yevick, George J., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Adjustable transmission line. 2,446,863, Aug. 10.
- Yglesias-Paz, Adolfo R., Guatemala City, Guatemala. Gravity flow type drier for coffee beans having material feeding and discharge control. 2,440,884, May 4.
- Yglesias-Paz, Adolfo Raul, Guatemala City, Guatemala. Drying apparatus for coffee beans or the like, comprising a movable agitator and gas circulating means. 2,451,462, Oct. 19.
- Yindrock, John J., and J. Van Vulpen, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Antifreeze drain fitting. 2,456,807, Dec. 21.
- Yingling, Frank B., Hamilton, Ohio. Reversible rotary blower. Re. 23,015, July 6.
- Yingling, Frank B., Hamilton, Ohio. Spot welding apparatus. 2,439,233, Apr. 6.
- Yingling, Frank B., Hamilton, Ohio. Electromechanical railroad locomotive. 2,453,483, Nov. 9.
- Yoars, Fred P., New Orleans, La. Apparatus for filling containers. 2,451,011, Oct. 12.
- Yoch, August H., Melrose, Pa., and W. W. Rice, Jr., Jackson Heights, N. Y., assignors to Air Reduction Company, Incorporated. Billet nicking machine. 2,457,337, Dec. 28.
- Yocum, Reuben J., Omaha, Nebr. Ice skating ring. 2,457,619, Dec. 28.
- Yoder Company, The, assignee: *See—*
Morris, Howard I.
- Yoder, John H.: *See—*
Barler, Richard C., and Yoder.
- Yolles, Seymour: *See—*
Ross, John, Potter, and Yolles.
- Yolles, Seymour, Providence, R. I., assignor to Ridbo Laboratories, Inc., Paterson, N. J. Stabilized abietyl materials and making the same. 2,441,231, May 11.
- Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fused cutout. 2,446,675, Aug. 10.
- Yonkers, Edward H., assignor to Joslyn Manufacturing and Supply Company, Chicago, Ill. Fused cutout. 2,446,676, Aug. 10.
- Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,395, Nov. 9.
- Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,396, Nov. 9.
- Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Fuse. 2,453,688, Nov. 9.
- Yonkers, Edward H., Glencoe, assignor to Joslyn Manufacturing and Supply Corporation, Chicago, Ill. Fuse link. 2,453,397, Nov. 9.
- Yonkers, John L., Northbrook, Ill. Pipe coupling. 2,455,544, Dec. 7.
- Yonkman, William, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead coating ferrous articles. 2,456,235, Dec. 14.
- Yorgiadis, Alexander J., Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Bending fixture. 2,448,133, Aug. 31.
- York Corporation, assignee: *See—*
Groat, Keith P.
- York, Henry: *See—*
Giffin, Harold A., and York.
- York, James M.: *See—*
Mahnke, Kurt, and York.
- York, Otto H.: *See—*
Goodloe, Alfred M., and York.
- Yorke, Nelson R., Trenton, N. J., assignor to St. Regis Paper Company, New York, N. Y. Craze-resistant synthetic resin coated product and process of making it. 2,437,799, Mar. 16.
- Yorke, Robert P., New Orleans, La. Automatic water level control. 2,438,733, Mar. 30.
- Yorkshire Tar Distillers Limited, assignee: *See—*
Milner, David W.
- Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Heating pad. 2,452,622, Nov. 2.
- Youhouse, Joseph, Fairfield, Conn. Combined internal-combustion and turbine engine. 2,456,164, Dec. 14.
- Youmans, Donna I., Los Angeles, Calif. Steel shapes for use in the construction of buildings. 2,445,815, July 27.
- Young, Albert J., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,447,888, Aug. 24.
- Young, Arthur E., and K. D. Bacon, assignors to The Dow Chemical Company, Midland, Mich. Hot-melt coating composition. 2,451,792, Oct. 19.
- Young, Arthur M., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Rotary wing aircraft. 2,457,429, Dec. 28.
- Young, Betty J., assignee, et al.: *See—*
Young, William D., and Harris.
- Young, Carroll L., Westminster, Md. Calf feeder. 2,455,848, Dec. 7.
- Young, Charles A., Springfield, Ohio. Single trigger action for double-barrel shotguns. 2,452,825, Nov. 2.
- Young, Charles F., Philadelphia, Pa. Aircraft cable guide pulley. 2,446,318, Aug. 3.
- Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic signal recording. 2,453,484, Nov. 9.
- Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Diplex transmission by combined frequency-amplitude modulation. 2,453,773, Nov. 16.
- Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Facsimile recording apparatus. 2,454,247, Nov. 16.
- Young, Charles W., Cuyahoga Falls, Ohio. Holder for fishing poles. 2,452,279, Oct. 26.
- Young, Clair I., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Apparatus for applying metal cases to bricks. 2,457,766, Dec. 28.
- Young, Clinton J. T., assignor to Polaroid Corporation, Cambridge, Mass. Windshield structure for use in automotive vehicles employing ant glare light-polarizing illuminating and viewing means. 2,440,133, Apr. 20.
- Young, Cyril C., and D. F. Troupe, assignors to The Vendo Company, Kansas City, Mo. Steam cooker with thermostatic boiler control. 2,444,587, July 6.
- Young, David S., Toronto, Ontario, assignor of one-half to W. Thompson, London, Ontario, Canada. Horse tie. 2,449,189, Sept. 14.
- Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Copolymers of iso-olefins with thiophene sulfones and making same. 2,456,354, Dec. 14.
- Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Lubricant compositions. 2,435,619, Feb. 10.
- Young, David W., Roselle, and H. B. Kellog, Union City, N. J., assignors to Standard Oil Development Company. Polymerization catalysts. 2,440,498, Apr. 27.
- Young, David W., Roselle, and N. M. Elmore, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerization catalyst. 2,443,287; June 15.
- Young, David W., Roselle, and N. M. Elmore, Elizabeth, N. J., assignors to Standard Oil Development Company. Alkoxy polyolefin polymers and making same. 2,445,378, July 20.
- Young, David W., Roselle, and N. M. Elmore, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerizing dialkoxydiolefin and isoolefins. 2,445,379, July 20.
- Young, David W., Roselle, and H. R. Kellog, Union City, N. J., assignors to Standard Oil Development Company. Polymerizing olefinic compounds with metal halide-organic acid double salts. 2,446,897, Aug. 10.
- Young, Dean S., Bethesda, Md. Protection of piezoelectric crystals. 2,440,709, May 4.
- Young, Don H., Valley Stream, and F. R. Mallalieu, Forest Hills, assignors to Dictograph Products Company, Inc., New York, N. Y. Telephone system having a calling and supervisory signaling device. 2,435,302, Feb. 3.
- Young, Dorothy R., assignee, et al.: *See—*
Young, William D., and Harris.
- Young, Douglass A., East Orange, L. J. Lunas, Cedar Grove, and B. E. Lenehan, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,438,027, Mar. 16.
- Young, Edward, assignee, et al.: *See—*
Garehime, Ervin D.
- Young, Eldon H., assignee, trustee: *See—*
Coutchure, Wencel L., and Rollins.
- Young, Eric J., Jersey City, N. J. Hosiery supporting means. 2,437,583, Mar. 9.

- Young, Farrile S., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Bolt protector. 2,456,234, Dec. 14.
- Young, Garth L., assignor to Signal Oil and Gas Company, Los Angeles, Calif. System for corrosion protection. 2,454,956, Nov. 30.
- Young, George O., Robeson, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread tensioning means. 2,442,796, June 8.
- Young, George O., Robeson, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread guide bar mounting for knitting machines. 2,451,187, Oct. 12.
- Young, Irvin, Falmouth, Ky. Combination tie plate and rail joint. 2,439,593, Apr. 13.
- Young, James H., and P. W. Jenkins, assignors to H. H. Robertson Company, Pittsburgh, Pa. Antistick bitumen surfaced building material. 2,440,626, Apr. 27.
- Young, Jean A., assignee, et al.: *See*—
Young, William D., and Harris.
- Young, John C., Pittsburgh, Pa. Downspout strainer. 2,446,256, Aug. 3.
- Young, Joseph K., Bastrop, Tex. Ant exterminator. 2,440,996, May 4.
- Young, Joseph O.: *See*—
Ekin, Hursel L., and Young.
- Young, Kenneth A., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Coaxial transmission line. 2,435,618, Feb. 10.
- Young, Leonard P., Chester, Conn. Core insulator. 2,455,720, Dec. 7.
- Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Jolt molding machine. 2,456,663, Dec. 21.
- Young, Lloyd W.: *See*—
Miller, Alfred, and Young.
- Young, Lyman, San Francisco, Calif. Decatonic keyboard. 2,456,575, Dec. 14.
- Young, Nancy L., assignee, et al.: *See*—
Young, William D., and Harris.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Modulation system. 2,440,320, Apr. 27.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Modulator. 2,441,983, May 25.
- Young Radiator Company, assignee: *See*—
Christensen, Donald W.
Shaw, Joe C.
Skelly, Lawrence E., and Brinen.
- Young, Richard E., Detroit, Mich. Portable fire alarm device. 2,456,038, Dec. 14.
- Young, Richard V.: *See*—
Weissberger, Arnold, Kibler, and Young.
- Young, Richard W., assignor to Morgan Construction Company, Worcester, Mass. Cooling bed. 2,434,632, Jan. 13.
- Young, Thomas, assignor to Durex Products, Incorporated, New York, N. Y. Pessary. 2,443,943, June 22.
- Young, William D., and W. A. Harris, assignors of twenty per cent to W. D. Young, twenty per cent to D. R. Young, twenty per cent to B. J. Young, twenty per cent to J. A. Young, and twenty per cent to N. L. Young, Greenville, S. C. Multiple compartment vending machine. 2,435,526, Feb. 3.
- Young, William G., Chicago, Ill., assignor to Chicago Fire Brick Company. Stack for furnaces. 2,435,172, Jan. 27.
- Young, William S., Philadelphia, Pa., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Apparatus for transfer of light liquid. 2,452,623, Nov. 2.
- Younger, Reat R., San Francisco, Calif. Inverted turbine pressure unit. 2,444,000, June 22.
- Youngusband, James L., Chicago, Ill. Remembrancer. 2,453,955, Nov. 16.
- Younglove, David, Ilion, N. Y. Antiskid tire clamp. 2,449,033, Sept. 7.
- Youngson, Donald A., and R. E. Matthews, Devon, Conn., assignor to General Electric Company. Searchlight control system. 2,453,175, Nov. 9.
- Youngstown Miller Company, The, assignee: *See*—
Gerin, Fernand L.
- Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.
Ditchfield, Frank.
- Younkin, Gavin S., Tulsa, Okla., assignor to The Brown Instrument Company, Philadelphia, Pa. Regulating mechanism responsive to variations in density and temperature of liquids. 2,445,255, July 13.
- Yowell, Howard L.: *See*—
Morrell, Charles E., Small, and Yowell.
- Yula, Henry F., New York, N. Y. Preheating apparatus. 2,457,022, Dec. 21.
- Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic masking using the Clayton effect. 2,444,867, July 6.
- Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic unsharp masking method. 2,455,849, Dec. 7.
- Yungman, Elroy W.: *See*—
Pennow, Willis A., and Yungman.
- Yurgensen, William P., Sharon Hill, Pa. Split chuck for electric welding guns. 2,456,664, Dec. 21.
- Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Valve mounting. 2,456,165, Dec. 14.
- Z B Inc., assignee: *See*—
Greubel, Alfred H.
- Z & W Machine Products, Inc., assignee: *See*—
Kelley, Zar W.
- Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmel Corporation, Chicago, Ill. Culinary utensil. 2,453,354, Nov. 9.
- Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Electrode for discharge devices. 2,441,863, May 18.
- Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Vapor-supplying cartridge. 2,445,706, July 20.
- Zabriskie, Charles L., New York, N. Y., assignor to Security Products Corporation, Plainfield, N. J. Fire extinguisher. 2,443,549, June 15.
- Zabriskie, William F., Detroit, and H. Post, Grosse Pointe, assignors to Gabriel Steel Company, Detroit, Mich. Water service system for railway yards. 2,445,414, July 20.
- Zacharias, Erhard, assignor to Postal Advertising Corporation, New York, N. Y. Combined mailbox and illuminated sign. 2,448,945, Sept. 7.
- Zacher, Vernon B., Ventura, Calif. Apparatus for determining the wall building properties of well drilling fluids. 2,443,781, June 22.
- Zachman, Arnold A., St. Paul, Minn. Clip for holding lapped panes of glass. 2,442,632, June 1.
- Zachrich, Martin H.: *See*—
Edwards, Geraldine K., and Zachrich.
- Zack, William E., Berwyn, Ill. Surgical anastomosis apparatus and method. 2,453,056, Nov. 2.
- Zacks, Florence B., Columbus, Ohio. Shoulder pad. 2,441,785, May 18.
- Zademach, Erich R., Elizabeth, assignor, by mesne assignments, to Metalwash Machinery Company, Newark, N. Y. Cleaning apparatus having rotary conveyor and recirculating liquid system. 2,443,091, June 8.
- Zademach, Erich R., Hillside, and W. W. Clarke, Summit, assignors to Metalwash Machinery Company, Irvington, N. J. Apparatus for treating articles. 2,440,134, Apr. 20.
- Zadig, Ernest A., Norwalk, Conn. Musical toy. 2,442,447, June 1.
- Zaeslin, Hans: *See*—
Martin, Henry, Gysin, Zaeslin, and Margot.
- Zagar, Frank G., Euclid, Ohio. Broach holder. 2,448,342, Aug. 31.
- Zahl, Harold A.: *See*—
Gorham, John E., and Zahl.
- Zahl, Harold A., and G. F. Rouse, Long Branch, and J. E. Gorham, Spring Lake, N. J. Electronic tube. 2,454,298, Nov. 23.
- Zahler, Virgil, assignor to I. J. Fickel, Belle Center, Ohio. Shock absorbing seat structure for tractors. 2,452,280, Oct. 26.
- Zahn, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Evaporation and concentration of liquids. 2,450,774, Oct. 5.
- Zahn, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Concentrating highly colloidal food products. 2,450,775, Oct. 5.
- Zahn, Charles T., Dallas, Tex. Device for production of underwater sound fields. 2,434,682, Jan. 20.
- Zahn, Harold: *See*—
Zahn, Otto C. and H.
- Zahn, Otto C., Cudahy, Wis., and H. Zahn, assignors to O. E. Zahn, South Bend, Ind. Combination washing and drying machine. 2,441,926, May 18.
- Zahn, Otto E., assignee: *See*—
Zahn, Otto C. and H.
- Zahray, Walter K.: *See*—
Allen, Louis N., Jr., and Zahray.
- Zahutnik, Walter A., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Cable clamp. 2,443,155, June 8.
- Zaiger, Louis, Swampscott, Mass. Windshield wiper. 2,449,357, Sept. 14.
- Zaiger, Max, assignee: *See*—
Nesson, Israel.
- Zajc, Karol, New York, N. Y. Door open signal system. 2,437,777, Mar. 16.
- Zalkind, Joseph, New York, N. Y. Bookkeeping appliance. 2,439,537, Apr. 13.
- Zalkind, Philip, New York, N. Y. Fibre reinforced collapsible container. 2,435,917, Feb. 10.
- Zalkind, Philip, New York, N. Y. Fibre reinforced collapsible container. 2,439,998, Apr. 20.
- Zalkind, Philip, New York, N. Y. File cabinet interlock and reinforcing elements. 2,451,012, Oct. 12.
- Zambakian, Irving, Bloomfield, and W. W. Watrous, Jr., Chatham, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical discharge device and base. 2,451,900, Oct. 19.
- Zambito, Arthur J.: *See*—
Snyder, Harold R., and Smith.
- Zamboni, William E., Owatonna, Minn. Toy bombing device. 2,440,885, May 4.
- Zamora, Vicente, Manila, P. I. Ballot box. 2,437,584, Mar. 9.
- Zampieri, Enrico: *See*—
Kurtz, Jacob, and Zampieri.
- Zampino, John A., Brooklyn, N. Y. Combined sewing case and pincushion. 2,457,767, Dec. 28.
- Zander, Otto J., Hugenot, N. Y. Signal and searchlight shutter. 2,439,330, Apr. 6.

- Zandmer, Solis M., Los Angeles, Calif. Projectile. 2,448,343, Aug. 31.
- Zapart, Andrew, Brooklyn, N. Y. Saw filing device. 2,441,786, May 18.
- Zapart, Bruno J., Chicago, Ill., and R. A. Mack, Phoenix, Ariz. Evaporative cooler. 2,438,594, Mar. 30.
- Zappacosta, Amedeo D., Havertown, Pa., assignor to Radio Corporation of America. Echo sounding system with sensitivity control. 2,449,353, Sept. 14.
- Zappia, Anthony T.: *See*—
- Samuelson, Otto H., and Zappia.
- Zaremba Company, assignee: *See*—
- Hughes, Burton S.
- Zarembinski, Clement G.: *See*—
- Johnson, Sigurd W., and Zarembinski.
- Zarwell, Cedric E.: *See*—
- Johnson, Roy W., and Zarwell.
- Zavaleta, Adolfo C. S., Buenos Aires, Argentina. Paint paste. 2,450,072, Sept. 28.
- Zbrszovka Brno Narodni Podnik, assignee: *See*—
- Koucky, Josef and F.
- Zdanaitis, Violet: *See*—
- Zdanaitis, Vit and V.
- Zdanaitis, Vit and V., Fort Wayne, Ind. Bracket supported suspended chair. 2,446,036, July 27.
- Zebroski, Walter, New York, N. Y. Apparatus for making metal powder. 2,440,531, Apr. 27.
- Zee, Leo C., now by judicial change of name: *See*—
- Zehnpfennig, Leo C.
- Zeh, Walter, Wolfen, Kreis Bitterfeld, Wilhelm Schneider and Alfred Fröhlich, Dessau, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Nondiffusing 1-phenyl-5-pyrazolone couplers for color photography. 2,437,063, Mar. 2.
- Zehnpfennig, Leo C., Merkel, Tex., now by judicial change of name Leo C. Zee. Electrical switch. 2,447,452, Aug. 17.
- Zehnpfennig, Leo C., Merkel, Tex., now by judicial change of name Leo C. Zee. Electrical switch. 2,447,453, Aug. 17.
- Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,436,412, Feb. 24.
- Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,436,911, Mar. 2.
- Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding and presser mechanism for sewing machines. 2,445,297, July 13.
- Zeigler, Philip B., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Magnetic chuck and loading device therefor. 2,446,973, Aug. 10.
- Zeischke, Wolfgang M., St. Louis, Mo., assignor to American Cyanamid Company, New York, N. Y. Preparation of α -methacrylonitrile. 2,441,462, May 11.
- Zeise, Alfred A., Minneapolis, Minn. Precision locating tool. 2,437,847, Mar. 16.
- Zeiss, Harold H., Fairlawn-Radburn, assignor to Rldbo Laboratories, Inc., Paterson, N. J. Methylation of methyl 6-hydroxydehydroabietafate. 2,450,706, Oct. 5.
- Zeller, Josef J., Detroit, and W. H. Woods, Garden City, assignors to Square D Company, Detroit, Mich. Altitude switch. 2,442,108, May 25.
- Zellner, Carl N., Elizabeth, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Preparing 1,4-dicyano butene-2 from corresponding halogen compounds. 2,448,755, Sept. 7.
- Zeit, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Encasing assembly. 2,457,023, Dec. 21.
- Zemelman, Roscoe E., University City, Mo. Kaleidoscope. 2,447,623, Aug. 24.
- Zempel, Edward A., Milwaukee, Wis. Boring bar. 2,435,065, Jan. 27.
- Zenith Optical Company: *See*—
- Guttman, Eric S.
- Zenith Radio Corporation, assignee: *See*—
- Adler, Robert.
- Aram, Nathan W.
- Bell, John R.
- Carnahan, Chalon W.
- Emde, Kurt.
- Gustafson, Gilbert E.
- Knight, Cosler D.
- Lipuma, Charles E.
- Thompson, Robert T.
- Wagenknecht, Otto E.
- Zenlea, Benjamin J.: *See*—
- Burbank, H. Russell, and Zenlea.
- Burbank, Henry R., and Zenlea.
- Zenner, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Rotary pump for liquefied gases. 2,455,460, Dec. 7.
- Zentis, William A., Chicago, Ill., assignor to Libby-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for use in designing solar houses. 2,452,417, Oct. 26.
- Zenzes, Alexander M., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y. Sugar compositions. 2,435,248, Feb. 3.
- Zenzes, Alexander M., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y. Sugar base composition. 2,435,249, Feb. 3.
- Zenzes, Alexander M., assignor of one-half to Musher Foundation, Incorporated, New York, N. Y. Fruit flavored food composition. 2,447,550, Aug. 24.
- Zerr, Charles M., Independence, assignor to Union Wire Rope Corporation, Kansas City, Mo. Sling. 2,454,417, Nov. 23.
- Zesbaugh, Lawrence G., Minneapolis, Minn. Article removing means. 2,441,525, May 11.
- Zesbaugh, Lawrence G., Minneapolis, assignor to J. G. O'Neil, Faribault, Minn. Method and apparatus for making grooved caps. 2,442,527, June 1.
- Zideck, Ernest E., Detroit, assignor of one-half to J. Hagler, Ortonville, Mich. Corn popping and dispensing apparatus. 2,435,378, Feb. 3.
- Zideck, Ernest E., Pontiac, assignor of one-half to C. L. Stockstiel, Wayne County, Mich. Solar water heater. 2,448,648, Sept. 7.
- Zidell, William I., assignee: *See*—
- Laskin, Louis J.
- Ziebolz, Herbert, assignor to Electronbeam, Ltd., Chicago, Ill. Multiple regulator system. 2,434,189, Jan. 6.
- Ziebolz, Herbert, assignor to Electronbeam, Ltd., Chicago, Ill. Regulator system. 2,453,563, Nov. 9.
- Ziegler, Edward F., Reading, Mass. System for controlling lighting circuits. 2,446,450, Aug. 3.
- Ziegler, Eugene R.: *See*—
- Wester, Edwin J., and Ziegler.
- Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency stabilization. 2,456,763, Dec. 21.
- Ziegler, Nicholas A., assignor to Crane Co., Chicago, Ill. Ferrous alloy. 2,442,944, June 8.
- Zielinski, George, Brooklyn, N. Y. Fabric slitting machine. 2,441,378, May 11.
- Zienty, Ferdinand B.: *See*—
- Kyrides, Lucas P., and Zienty.
- Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. M-monoformyl-N,N'-di-substituted ethylenediamines. 2,453,057, Nov. 2.
- Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,079, Dec. 21.
- Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,080, Dec. 21.
- Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of 2-thenyl chloride. 2,457,081, Dec. 21.
- Zienty, Ferdinand B., and G. W. Steahly, assignors to Monsanto Chemical Company, St. Louis, Mo. Fungicidal and bactericidal compositions containing 1-(4-isopropylbenzyl)-piperazine. 2,451,645, Oct. 19.
- Zienty, Ferdinand B., St. Louis, and L. P. Kyrides, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Brominating heterocyclic compounds. 2,457,078, Dec. 21.
- Zierdt, Conrad H., Jr., Pittsburgh, Pa. Pulse counting relay system. 2,439,405, Apr. 13.
- Zieschang, Richard, assignor to The Pyrene Company Limited, Brentford, England. Fire-extinguishing pump. 2,439,763, Apr. 13.
- Zimarik, Louis, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Outer and inner cylindrical drum supporting base and actuating mechanism assembly for washing machines. 2,445,593, July 20.
- Zimmer, Eric H., Wyckoff, N. J. Antiskid device. 2,453,611, Nov. 9.
- Zimmer, John C.: *See*—
- Beerbower, Alan, and Zimmer.
- Davis, Garland H. B., and Zimmer.
- Duncan, Gordon W., and Zimmer.
- McNulty, George M., and Zimmer.
- Morway, Arnold J., and Zimmer.
- Rosen, Raphael, and Zimmer.
- Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Grease compositions. 2,436,347, Feb. 17.
- Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Grease composition. 2,444,970, July 13.
- Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Lubricant. 2,447,607, Aug. 24.
- Zimmer, John C., Union, and R. Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company. Oil composition. 2,449,631, Sept. 21.
- Zimmer Manufacturing Company, assignee: *See*—
- Ettinger, Joe J.
- Zimmer, Myron J.: *See*—
- Chandler, James H., and Zimmer.
- Zimmerman, Arthur B., Los Angeles, Calif. Tilting balanced duplex propeller. 2,450,821, Oct. 5.
- Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Control device for airplanes. 2,438,309, Mar. 23.
- Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft propulsion means. 2,452,281, Oct. 26.
- Zimmerman, Ernest F., Orange, assignor of one-half to J. P. Filbert, Los Angeles, Calif. Water-cooling jacket. 2,454,957, Nov. 30.

- Zimmerman, Frances C., Cincinnati, Ohio. Glue converter. 2,441,610, May 18.
- Zimmerman, Frank A., Oak Park, Ill. Governor. 2,438,734, Mar. 30.
- Zimmerman, Harry, New York, N. Y. Xylophone. 2,434,137, Jan. 6.
- Zimmerman, Herman W., deceased, North Newington, Conn.; S. V. M. Zimmerman, administratrix. Torque tool with ratchet signal. 2,449,034, Sept. 7.
- Zimmerman, Karl H., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Apparatus for testing insulation of electrical cables. 2,452,624, Nov. 2.
- Zimmerman, Oswald T., Durham, N. H., assignor to Kerr Manufacturing Co. Hydraulic cement. 2,445,052, July 13.
- Zimmerman, Robert F., assignor to Lathrop-Hoge Construction Company, Cincinnati, Ohio. Electric welding device. 2,442,448, June 1.
- Zimmerman, Robert F., assignor to Lathrop-Hoge Construction Company, Cincinnati, Ohio. Electric welding tool. 2,442,449, June 1.
- Zimmerman, Sylvia V. M., administratrix: *See—* Zimmerman, Herman W.
- Zimmermann, Ernest, Surry Hills, near Sydney, New South Wales, Australia. Hand sawing apparatus. 2,441,379, May 11.
- Zimmermann, Hans J.: *See—* Wickwire, Arthur M., and Zimmermann.
- Zimmermann, Lewis C., Youngstown, Ohio. Conveyor. 2,454,023, Nov. 16.
- Zimmermann, Lukas, Birmingham, Mich. Hydraulic flow divider. 2,454,418, Nov. 23.
- Zimmermann, Waldemar E., Los Angeles, Calif. Tool for cutting insulation and stripping it from wires. 2,451,463, Oct. 19.
- Zimmern, Benno, New York, N. Y. Child's swivel harness. 2,437,585, Mar. 9.
- Zimmern, Benno, New York, N. Y. Bag. 2,451,142, Oct. 12.
- Zinda, Andrew: *See—* Grosjean, Harry W., Sizer, and Zinda.
- Zingaro, Placido W., Hartsdale, N. Y., assignor to Square D Company, Detroit, Mich. Hygrometer. 2,454,584, Nov. 23.
- Zink, Walter L., Dixon, Ill. Fish lure. 2,435,993, Feb. 17.
- Zip Abrasive Company, assignee: *See—* Werder, John F.
- Zippel, Hyman M., Philadelphia, Pa. Hand weaving device. 2,452,011, Oct. 19.
- Zirin, Samuel, Brooklyn, N. Y. Outdoor card game device. 2,450,325, Sept. 28.
- Zirin, Samuel, Brooklyn, N. Y., assignor to Marsam Specialties, Inc. Outdoor card game board. 2,453,292, Nov. 9.
- Ziskal, Joseph F., Cicero, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Apparatus for controlling selective delivery of fluid from a continuous delivery source to a fluid-driven motor. 2,451,013, Oct. 12.
- Ziskind, Samuel, assignor to Safeway Specialty Corporation, New York, N. Y. Window cleaner. 2,446,401, Aug. 3.
- Zisman, William A.: *See—* Baker, Hayward R., and Zisman.
Hain, George M., and Zisman.
- Zisman, William A., Washington, D. C., and H. R. Baker, Mount Rainier, Md., assignors to United States of America, as represented by the Secretary of the Navy. Anticorrosion additives for synthetic lubricants. 2,434,978, Jan. 27.
- Zisman, William A., Washington, D. C., and L. Pickett, Arlington, Va. Clearing water surfaces of oil. 2,447,551, Aug. 24.
- Zisman, William A., Washington, D. C., and G. M. Hain, United States Navy. Grease compositions. 2,448,567, Sept. 7.
- Zitner, Berthold R., Milwaukee, Wis. Quickly adjustable vise. 2,441,683, May 18.
- Zitzewitz, Barbara O., assignee: *See—* Vischer, Alfred, Jr.
- Zitzewitz, Elmer K., assignee: *See—* Vischer, Alfred, Jr.
- Zitzewitz, Gertrude J., assignee: *See—* Vischer, Alfred, Jr.
- Zitzewitz, Walter W., assignee: *See—* Vischer, Alfred, Jr.
- Zmuda, Andrew W.: *See—* Van Degrieff, Thomas C., Zmuda, and Rlopelie.
- Zoegall, Richard R., Los Angeles, Calif. Home barbecue device. 2,455,034, Nov. 30.
- Zola, Leonard: *See—* Masucci, Peter F., and Zola.
- Zollikofer, Otto, St. Gallen, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Positively operating dobby. 2,438,796, Mar. 30.
- Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Automatic water strainer. 2,441,526, May 11.
- Zoromskis, Stanley M., Kenosha, Wis. Internal-combustion engine piston. 2,438,243, Mar. 23.
- Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. High-frequency generator. 2,438,595, Mar. 30.
- Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. Coaxial transmission line. 2,445,380, July 20.
- Zryd, Ernest, Beloit, Ohio. Firing mechanism for guns. 2,441,787, May 18.
- Zschiegner, Herbert E., Ocean Grove, N. J., assignor to E. Honig, Brooklyn, N. Y. Preparation of palladium oxide. 2,450,176, Sept. 28.
- Zublin, John A., Los Angeles, Calif. Producing oil. 2,434,239, Jan. 6.
- Zublin, John A., Saugus, Calif. Preparing roasted fowl. 2,444,127, June 29.
- Zuckerman, Emil, Stamford, Conn. Extension table. 2,452,979, Nov. 2.
- Zuckerman, Roscoe C., Stockton, Calif. Beet digger. 2,452,418, Oct. 26.
- Zu Eltz, Alexander E., New York, N. Y., assignor to Baker Co. Inc., Newark, N. J. Platinum sheet electrode. 2,434,731, Jan. 20.
- Zufelt, Frederick L.: *See—* Erickson, Carl E., and Zufelt.
- Zugehoer, Alfred J., Hamilton, Ohio. Suction device for removing dust from fabric or the like. 2,437,340, Mar. 9.
- Zukerman, Cecil M., Davenport, Iowa. Sterile needle holder. 2,435,994, Feb. 17.
- Zuellig, Otto, Zurich, Switzerland. Sports vehicle. 2,437,903, Mar. 16.
- Zumbrunn, Robert, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Making alpha-aceto, alpha-chloro, gamma-butyrolactone. 2,440,229, Apr. 20.
- Zurcher, Paul, assignor to Continental Oil Company, Ponca City, Okla. Paint containing an alkyl resin and a halogenated amine. 2,448,505, Aug. 31.
- Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic analysis. 2,441,380, May 11.
- Zuvers, Howard E., Scotia, N. Y., assignor to General Electric Company. Electrical discharge device employing a pool-type cathode. 2,437,146, Mar. 2.
- Zweig, Samuel: *See—* Gold, Leon J., and Zweig.
- Zwicker Knitting Mills, assignee: *See—* Wirtz, Emery F.
- Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Purging system for refrigerating systems. 2,450,707, Oct. 5.
- Zwicky, Fritz, Pasadena, F. J. Ewing, Altadena, J. M. Carter, Highway Highlands, and A. J. Stosick, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Operation of jet propulsion motors with nitroparaffin. 2,433,943, Jan. 6.
- Zwiebel, William A., assignor to The Patent Button Company, Waterbury, Conn. Plastic button. 2,452,173, Oct. 26.
- Zwiebelson, Abraham, Mount Vernon, N. Y. Brassière. 2,437,217, Mar. 2.
- Zwillinger, Max, and S. G. Hall, Washington, D. C. Apparatus and method for rectifying and projecting aerial photographs. 2,488,568, Sept. 7.
- Zworykin, Vladimir K.: *See—* Weimer, Paul K., Zworykin, and Wolff.
- Zworykin, Vladimir K., Princeton, N. J., assignor to Radio Corporation of America. Convection current responsive instrument. 2,440,189, Apr. 20.
- Zworykin, Vladimir K., Princeton, and J. Hillier, Cranbury, N. J., assignors to Radio Corporation of America. Optophone. 2,451,014, Oct. 12.
- Zworykin, Vladimir K., and L. E. Flory, Princeton, N. J., assignors to Radio Corporation of America. Electronic reading aid for the blind. 2,457,099, Dec. 21.
- Zwosta, Michael J., Brooklyn, N. Y. Beer control and pipe-cleaning apparatus. 2,443,550, June 15.
- Zwoyer, Ellsworth B. A., Perth Amboy, N. J., assignor to Fuel Research Corporation, New York, N. Y. Colloidal mills of the multiple grinding unit type. 2,437,147, Mar. 2.
- Zychlinski, Lech W. S., Narberth, Pa. Paper clip. 2,452,514, Oct. 26.

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LIST OF DESIGN PATENTEES

- A. B. A. Specialties, Incorporated, assignee: *See*—
Westlake, Edwin.
- A. C. Mfg. Co., assignee: *See*—
Larralde, Edward.
- A M I Incorporated, assignee: *See*—
Reinecke, Jean O.
- AMP. Corporation, assignee: *See*—
Burgess, Archibald R.
- Abate, Charles L.: *See*—
Giambone, Vincent, and Abate.
- Abbatiello, Edward A., Cincinnati, Ohio. Leakproof case for a cigarette package. 148,402, Jan. 20.
- Abrams, Norman H., Indianapolis, Ind. Combined mantel clock and plant receptacles. 148,597, Feb. 10.
- Abrams, William, Chicago, Ill. Cigarette dispenser. 149,328, Apr. 20.
- Accurate Parts Manufacturing Company, assignee: *See*—
Shewitz, Newson, Sloane, and Valksnoras.
- Ace Pump Corporation, assignee: *See*—
Theis, Elmer E.
- Achs, Nicholas, Detroit, Mich. Refrigerator. 149,240, Apr. 13.
- Ackerman, Dolletta M., Los Angeles, Calif. Applicator or similar article for beauty and health treatments. 149,159, Apr. 6.
- Ackerman, Seymour, Bell Harbor, assignor to Parker Watch Company, New York, N. Y. Watch box. 150,283, July 20.
- Ackermans, John W. J., Detroit, Mich. Automobile body. 148,346, Jan. 13.
- Acorn Sheet Metal Works, Inc., assignee: *See*—
Goodman, Samuel.
- Acosta, Pablo M., San Gabriel, Calif. Airplane. 151,948, Dec. 7.
- Acton, Grant M., assignor to Temp-Rite Manufacturing Company, Arkansas City, Kans. Bottle carrier. 149,034, Mar. 23.
- Adams, Charles J., Park Ridge, and H. Z. Benton, Woodstock, Ill. Angle socket. 151,314, Oct. 12.
- Adams, Charles J., Park Ridge, and H. Z. Benton, Woodstock, Ill. Vacuum tube socket. 151,670, Nov. 9.
- Adamson, George H., Tecumseh, Mich. Watch dial. 151,204, Oct. 5.
- Adel Precision Products Corp., assignee: *See*—
Fassin, Gustave.
- Meripol, Ed B.
- Ades, Maurice B., assignee, et al.: *See*—
Wright, Ira E.
- Adler, Benjamin H., Chicago, Ill. Handle for cooking utensils or the like. 149,464, May 4.
- Adler, Edward, New York, N. Y. Rack for nursing bottles or the like. 149,465, May 4.
- Adler, Melvin S., Chicago, Ill. Electrical wall outlet. 150,529, Aug. 17.
- Admiral Lamp Mfg. Corp., assignee: *See*—
Gotliffe, Irving I.
- Advance Creations, Inc., assignee: *See*—
Unger, Alex.
- Aero Lines, assignee: *See*—
Hoffman, Frederick C.
- Air-O-Tomic, Inc., assignee: *See*—
La Barre, Dwight, and Ornas.
- Air-Way Electric Appliance Corporation, assignee: *See*—
Florian, Gordon W.
- Nuffer, Joseph H., and Latta.
- Aitcheson, Thomas G.: *See*—
Armbruster, John T., and Aitcheson.
- Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expandable watch bracelet. 150,530, Aug. 17.
- Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expandable watch bracelet or similar article. 150,746, Aug. 31.
- Albertson & Company, Inc., assignee: *See*—
Albertson, Frank O.
- Albertson, Frank O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Portable power driven tool unit. 150,531, Aug. 17.
- Albright, Franklin C., San Marino, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 150,190, July 13.
- Alderson, William F., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Toothbrush handle. 151,483, Oct. 26.
- Alessandrini, Guido, Grand Rapids, assignor to Townsend Manufacturing Company, Zeeland, Mich. Provincial step table. 148,902, Mar. 9.
- Alexander, Carlyle N., New Rochelle, N. Y. Chair. 149,329, Apr. 20.
- Alexander, Carlyle N., New Rochelle, N. Y. Chair. 149,330, Apr. 20.
- Alexander, Carlyle N., New Rochelle, N. Y. Chair. 149,331, Apr. 20.
- Allegro, Joseph A.: *See*—
Richeson, Sanford E., and Allegro.
- Allen, Alan A.: *See*—
Allen, Dorothy B., and Allen.
- Allen, Dorothy B. and A. A., Los Angeles, Calif. Combined chest and desk. 151,949, Dec. 7.
- Allen, Grosvenor N., and W. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Knife. 149,332, Apr. 20.
- Allen, Grosvenor N., and W. H. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 150,485, Aug. 10.
- Allen, Grosvenor N., Oneida, and M. P. Fleming, Fulton, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 150,486, Aug. 10.
- Allen, Grosvenor N., and W. H. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 150,487, Aug. 10.
- Allen, John S., Montgomery, Ala. Bottle or article of similar nature. 149,394, Apr. 27.
- Allen, Kenneth C.: *See*—
Meeker, David A., and Allen.
- Allen, Philip S., Long Beach, Calif. Cabinet for automatic photographic apparatus. 148,740, Feb. 24.
- Allen, William M.: *See*—
Clark, Kendall, and Allen.
- Allenbaugh, George G., Wadsworth, Ohio. Game board. 150,191, July 13.
- Allison, Willis C., Wichita Falls, Tex. Awning or the like. 151,484, Oct. 26.
- Almy, Eugene E., Sherman Oaks, Calif. Game board. 149,923, June 15.
- Alpert, Arthur, New York, assignor to Arthur Alpert Lamp Co., Brooklyn, N. Y. Table lamp. 149,466, May 4.
- Alpert, Arthur, Lamp Co., assignee: *See*—
Alpert, Arthur.
- Amaru, Joseph, Somerville, Mass. Picture frame border mat or similar article. 148,267, Jan. 6.
- Amaru, Joseph, Somerville, Mass. Border mat for a picture frame or similar article. 148,268, Jan. 6.
- Amato, George D., Astoria, Oreg. Combination ashtray and light. 148,971, Mar. 16.
- Amereel Corporation, assignee: *See*—
Goldmann, Jack M.
- American Blower Corporation, assignee: *See*—
Koch, John B.
- American Brazed Products, assignee: *See*—
Walker, William H.
- American Car and Foundry Company, assignee: *See*—
Kuhler, Otto.
- Kuhler, Otto A.
- American Coach & Body Company, The, assignee: *See*—
Holan, James H., Jr., and Troche.
- American Duplex Company, assignee: *See*—
Schuhmann, Richard L.
- American Machine and Metals, Inc., assignee: *See*—
Johnson, Leon D.
- Miller, Hercheal W.
- American Measuring Instruments Corporation, assignee: *See*—
Stern, Nathan S.
- American Molded Products Co., assignee: *See*—
Caestecker, Charles E.
- American Optical Company, assignee: *See*—
Armbruster, John T.
- Armbruster, John T., and Aitcheson.
- Wells, Raymond L.
- American Seating Company, assignee: *See*—
Barecki, Chester J.
- Bond, Willard H., Jr.
- Tazelaar, Henry J.
- Aminoff, Daniel, Los Angeles, Calif. Sport shirt. 149,395, Apr. 27.
- Aminoff, Daniel, Los Angeles, Calif. Sport shirt. 150,046, June 29.
- Amity Leather Products Co., assignee: *See*—
Reis, John P.
- Rolfs, Robert H.
- Amity Manufacturing Corp., assignee: *See*—
De Mott, Armand.
- Amstutz, Walter R., Chicago, Ill. Food chopper or similar article. 149,603, May 18.
- Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Flashlight housing. 149,726, May 25.
- Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Squeezer for fruit and the like. 150,392, Aug. 3.
- Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Combined putty knife and glass cutter. 150,488, Aug. 10.

- Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 149,102, Mar. 30.
- Anderson, Chester S., St. Charles, Ill. Ski sled or similar article. 148,741, Feb. 24.
- Anderson, E. Harold, administrator: *See—*
Anderson, Ernst G.
- Anderson, Ernst G., deceased, Chicago, by E. H. Anderson, administrator, Lake Bluff, assignor to Simplot Electric Co., Chicago, Ill. Light fixture support. 150,820, Sept. 7.
- Anderson, Frohman, New York, N. Y. Toaster. 149,604, May 18.
- Anderson, Gustave A., Chicago, Ill. Milking machine claw. 150,047, June 29.
- Anderson, Harry W., assignee: *See—*
Haldane, James M.
- Anderson, James D., Albuquerque, N. Mex. Puzzle finger ring. 149,784, June 1.
- Anderson, James W., Jr., Detroit, Mich. Rear vision mirror or similar article. 151,205, Oct. 5.
- Anderson, Lloyd L., and R. F. Hefferan, assignors to Paneva Corporation, Grand Rapids, Mich. Dishwashing appliance. 150,915, Sept. 14.
- Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Opera chair end standard or the like. 148,598, Feb. 10.
- Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Score table. 148,838, Mar. 2.
- Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Masking unit for bowling alley pin setters or the like. 148,839, Mar. 2.
- Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Settee. 149,333, Apr. 20.
- Anderson, Sidney G., San Francisco, Calif. Accessory kit. 151,950, Dec. 7.
- Andres, Lloyd J., assignee: *See—*
Martling, Lockwood, Jr.
- Andres, Lloyd J., Itasca, assignor to Fidelitone Incorporated, Chicago, Ill. Tone arm. 152,133, Dec. 21.
- Angel Bra Corp., assignee: *See—*
Selcow, Jack
- Angell, Otis R., Wollaston, Mass. Bracelet or similar article. 149,924, June 15.
- Animal Trap Company of America, assignee: *See—*
Sakier, George
- Anita-Gay Creations, Inc., assignee: *See—*
Scott, Dorris M., and Steinberg.
- Antole, Nicholas, Norwood, assignor to Ostby & Barton Company, Providence, R. I. Display stand. 149,727, May 25.
- Ansul Chemical Company, assignee: *See—*
La Fountain, Amie, and Guise.
- Appel, George C., assignor to Globe-Union Inc., Milwaukee, Wis. Combined battery vent plug and hydrometer. 150,328, July 27.
- Appell, Lewis and N., New York, N. Y. Occasional table. 151,578, Nov. 2.
- Appell, Lewis and N., New York, N. Y. Occasional table. 151,579, Nov. 2.
- Appell, Nathaniel: *See—*
Appell, Lewis and N.
- Applegate, Kenneth C.: *See—*
Tackenberg, Richard C., and Applegate.
- Appliance Corporation of America, assignee: *See—*
Kinoshita, Robert K.
- Aquillino, Antonio, Providence, R. I. Brooch. 149,925, June 15.
- Arclarius, Charles D., New Canaan, Conn. Jewelry component. 151,024, Sept. 21.
- Arcuni, Joseph P., Long Island, N. Y. Textile fabric or similar article. 149,035, Mar. 23.
- Ardner, Robert L., assignor to Packard Manufacturing Corporation, Indianapolis, Ind. Phonograph cabinet. 149,785, June 1.
- Arenberg, Albert L., Highland Park, and E. C. Zimmerman, Winnetka, assignors to Patent License Corporation, Chicago, Ill. Lighting fixture. 150,104, July 6.
- Arenson, Louis B., Chicago, Ill. Lamp or similar article. 149,728, May 25.
- Argus, Incorporated, assignee: *See—*
Barnes, John W.
Harvey, James E.
Hertzler, Frederick W.
- Arisman, Fred J., Salem, Oreg. Trailer. 149,786, June 1.
- Arlington Chair Co., assignee: *See—*
Hayes, Bertram H., and Pierson.
- Armao, Humbert, Providence, R. I. Brooch or similar article. 149,241, Apr. 13.
- Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Projector or the like. 149,995, June 22.
- Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Contour projector or the like. 151,951, Dec. 7.
- Armbruster, John T., Niagara Falls, and T. G. Aitcheson, Kenmore, N. Y., assignors to American Optical Company, Southbridge, Mass. Microscope or similar article. 151,206, Oct. 5.
- Armstrong Products Corporation, assignee: *See—*
Chatfield, William W.
- Armus, Charlotte T., New York, N. Y. Ash tray. 151,671, Nov. 9.
- Armus, Charlotte T., New York, N. Y. Ash tray. 151,672, Nov. 9.
- Army, United States of America, represented by the Secretary of the, assignee: *See—*
Jones, Thomas H.
- Arndt, Albert H., Hightstown, N. J. Collapsible chair. 149,926, June 15.
- Arnett, Leslie, Chicago, Ill., assignor to Square Manufacturing Company. Beverage dispensing machine. 150,916, Sept. 14.
- Arnoff, Morris P., New York, N. Y. Sport shoe or similar article. 143,451, Jan. 27.
- Aro Equipment Corporation, The, assignee: *See—*
Swygard, Aubrey C.
- Aronek, Max, Altadena, Calif. Lamp. 149,729, May 25.
- Aronek, Max, Altadena, Calif. Lamp. 151,485, Oct. 26.
- Arons, George R., New York, N. Y. Picture frame. 151,315, Oct. 12.
- Arpels, Claude, New York, N. Y. Combined wrist watch and strap therefor. 150,048, June 29.
- Arpels, Claude, New York, N. Y. Combined wrist watch and strap therefor. 150,049, June 29.
- Arpels, Claude, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 150,050, June 29.
- Arpels, Claude, New York, N. Y. Wrist watch or similar article. 150,284, July 20.
- Arpels, Claude, New York, N. Y. Wrist watch or similar article. 150,285, July 20.
- Arpels, Claude, New York, N. Y. Necklace or similar article. 150,329, July 27.
- Arpels, Claude, New York, N. Y. Brooch or similar article. 150,393, Aug. 3.
- Arpels, Claude, New York, N. Y. Brooch or similar article. 151,805, Nov. 23.
- Arpels, Claude, New York, N. Y. Brooch or similar article. 151,864, Nov. 30.
- Arpels, Claude, New York, N. Y. Brooch or similar article. 151,865, Nov. 30.
- Arpels, Claude, New York, N. Y. Bracelet or similar article. 151,866, Nov. 30.
- Arpin, Leonard G., Montclair, N. J. Earring or similar article. 148,599, Feb. 10.
- Arpin, Leonard G., Montclair, N. J. Earring or similar article. 148,600, Feb. 10.
- Arpin, Leonard G., Montclair, N. J. Earring or similar article. 151,673, Nov. 9.
- Arpin, Leonard G., Montclair, N. J. Earring or similar article. 151,674, Nov. 9.
- Asch, Howard, New York, N. Y. Musical lamp or similar article. 150,286, July 20.
- Ash, Charles S., Milford, Mich. Motor vehicle cab. 151,580, Nov. 2.
- Ashdowne, James S., assignor to Joseph Buegeleisen Co., Inc., Detroit, Mich. Belt. 148,903, Mar. 9.
- Ashenfelter, William, Swanton, Ohio. Concrete fence panel. 150,532, Aug. 17.
- Ashkenas, Irving L.: *See—*
Northrop, John K., and Ashkenas.
- Ashman, Albert M., Seal Beach, Calif. Hydraulic press. 150,670, Aug. 24.
- Askins, Ralph W., Toledo, Ohio. Trailer hitch. 148,269, Jan. 6.
- Associated Products, Inc., assignee: *See—*
Jones, Richard C.
Miller, Edith J. B.
- Astatic Corporation, The, assignee: *See—*
Federico, Joseph B.
- Asteroff, J. Leah, New York, N. Y. Dress. 151,316, Oct. 12.
- Athey Products Corporation, assignee: *See—*
Nadherny, Russell J.
- Athletic Shoe Company, assignee: *See—*
Treat, Floyd C.
- Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rotary disc surface finishing machine. 148,514, Feb. 3.
- Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Electric floor polisher. 151,207, Oct. 5.
- Atkins, Allen L., Chicago, Ill. Necktie rack. 149,103, Mar. 30.
- Atkins, Robert B., Keltys, Tex. Toy airplane. 148,670, Feb. 17.
- Atkinson, Alfred H., Minneapolis, Minn. Film developing hanger. 150,330, July 27.
- Atkinson, William E., assignor to Valley Research Corporation, Montague, Mich. Andiron. 148,270, Jan. 6.
- Atkinson, William E., assignor to Valley Research Corporation, Montague, Mich. Andiron. 148,271, Jan. 6.
- Atomiko, Inc., assignee: *See—*
Kern, John A.
- Atwood, John H., Sterling, Ill. Hair curler. 150,105, July 6.
- Auer, Michael J., and T. E. Grade, New York, N. Y. Portable electric stove. 150,331, July 27.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 149,534, May 11.

- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 149,535, May 11.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 149,605, May 18.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 149,927, June 15.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 151,728, Nov. 16.
- Autogiro Company of America, assignee: See—Knack, Frederick J.
- Aviation Corporation, The, assignee: See—Otto, Carl L.
- Avila, John V., San Jose, Calif. Refrigerated display unit. 149,036, Mar. 23.
- Axel Bros., assignee: See—Hollis, Morton.
- Axelrod, William B.: See—Bleich, Michael, and Axelrod.
- Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 151,952, Dec. 7.
- Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 151,953, Dec. 7.
- Babin, Paul E., New Orleans, La. Watch band. 148,671, Feb. 17.
- Babin, Paul E., New Orleans, La. Watch band. 149,396, Apr. 27.
- Baby World Company, Inc., assignee: See—Brecher, Irving.
- Baca, Cristobal, assignor of fifty per cent to A. C. Padilla, Albuquerque, N. Mex. Gate. 150,394, Aug. 3.
- Bach, Alfons: See—Cooper, Benjamin, Hohmann, and Bach.
- Bach, Walter H., Los Angeles, Calif., assignor to Berndt-Bach, Incorporated. Motion picture camera. 149,536, May 11.
- Bachinsky, John: See—Bachinsky, Regina R. and J.
- Bachinsky, Regina R. and J., Pittsfield, Mass. Bottle or similar container. 149,996, June 22.
- Backer, George, New York, N. Y. Woven plastic fabric. 149,037, Mar. 23.
- Baggett, Lee R., Hot Springs, Ark. Short dress belt. 150,533, Aug. 17.
- Baggett, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Toy helicopter. 149,787, June 1.
- Bahr, Harold A., Greendale, Wis. Counter decorative unit or the like. 151,424, Oct. 19.
- Baird, Bill, New York, N. Y. Puppet. 148,272, Jan. 6.
- Baker, George A., Walnut Park, Calif., assignor to M. Weil. Dish or similar article. 149,606, May 18.
- Baker, Joseph L., Wichita, Kans. Double seated vehicle for children. 150,106, July 6.
- Baker, Walter H., Toronto, Ontario, Canada. Nursery cabinet. 150,192, July 13.
- Bakewell, Sidney, Detroit, Mich. Meat tenderizing machine. 150,895, Aug. 3.
- Balcrank, Inc., assignee: See—Field, Richard P.
- Baldocchi, Archie A., San Francisco, Calif. Jar or similar container. 151,954, Dec. 7.
- Baldwin Company, The, assignee: See—Day, Wilbur M.
- Ball Washing Machine Corp., assignee: See—Stratmore, Irwin W.
- Ballard, Wade E., assignor to Modern Plastic Co., Los Angeles, Calif. Condiment dispenser set. 148,452, Jan. 27.
- Bancroft, Abraham, and D. Bennett, Longport, England. Figurine. 149,467, May 4.
- Bancroft, Abraham, and D. Bennett, Longport, England. Figurine. 150,534, Aug. 17.
- Bancroft, Joseph C., New York, N. Y. Scooter. 149,730, May 25.
- Bandt, Helmut F., Plymouth, Wis. Balancing toy. 149,854, June 8.
- Baratelli, Charles A., Cambridge, T. W. F. Chin, Chelsea, H. A. Marsh, Brookline, assignors to Polaroid Corporation, Cambridge, Mass. Automotive visor or similar article. 149,104, Mar. 30.
- Baratelli, Charles A., Newton, assignor to Polaroid Corporation, Cambridge, Mass. Automotive visor or similar article. 148,742, Feb. 24.
- Barbanell, Walter, New York, N. Y. Shrine or similar article. 148,273, Jan. 6.
- Barber-Colman Company, assignee: See—Kennedy, Walter W.
- Barber, Joel D., New York, N. Y. Chair. 149,038, Mar. 23.
- Barbieri, Nicholas, Providence, R. I. Brooch or similar article. 148,403, Jan. 20.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 148,840, Mar. 2.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 149,242, Apr. 13.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 149,334, Apr. 20.
- Bardach, Paul, Providence, R. I. Jewelry finding. 150,193, July 13.
- Bardach, Paul, Providence, R. I. Link chain for a bracelet or similar article. 150,332, July 27.
- Bardach, Paul, Providence, R. I. Link chain for a bracelet or similar article. 150,333, July 27.
- Bardach, Paul, Providence, R. I. Link chain for a bracelet or similar article. 150,334, July 27.
- Bardach, Paul, Providence, R. I. Link chain for a bracelet or similar article. 150,335, July 27.
- Bardach, Paul, Providence, R. I. Link chain for a bracelet or similar article. 150,336, July 27.
- Barecki, Chester J., assignor to American Seating Company, Grand Rapids, Mich. Chair back. 150,535, Aug. 17.
- Barnes, Albert L., Longview, Wash. Bottle carrier. 152,053, Dec. 14.
- Barnes, James F., assignee, et al.: See—Reinecke, Jean O.
- Barnes, John W., assignor to Argus, Incorporated, Ann Arbor, Mich. Flash lamp holder. 151,025, Sept. 21.
- Barnes Manufacturing Co., assignee: See—Thomassen, Amy L.
- Barnes, Margaret M., assignee, et al.: See—Reinecke, Jean O.
- Barnes & Reinecke, assignee: See—Reinecke, Jean O.
- Barnett, Burton J., Los Angeles, Calif. Grooming tray. 149,105, Mar. 30.
- Barnett, Milton A.: See—Fisher, Harvey M., and Barnett.
- Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner. 152,182, Dec. 28.
- Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner casing. 152,183, Dec. 28.
- Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 151,581, Nov. 2.
- Baron, Leonard, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 152,184, Dec. 28.
- Barofsky, Jack, Los Angeles, Calif. Desk. 151,425, Oct. 19.
- Barr, Herman, New York, N. Y. Combined toy sink, water dispenser, and receiver. 152,185, Dec. 28.
- Barre, Robert A., New York, N. Y. Combined watch case and wrist band. 149,039, Mar. 23.
- Barre, Robert A., New York, N. Y. Combined watch case and band. 149,040, Mar. 23.
- Barrett, Harry B., St. Louis, Mo. Building front. 148,743, Feb. 24.
- Barrett, Howard J., Philadelphia, Pa. Folding, portable bar. 150,194, July 13.
- Barrett, Rufus H., San Francisco, Calif. Trailer vehicle. 149,397, Apr. 27.
- Barrett, Rufus H., assignor to California Research Corporation, San Francisco, Calif. Hand tank truck. 150,536, Aug. 17.
- Barrile, Salvatore, Medford, Mass. Chair. 150,537, Aug. 17.
- Barrows, Donald S., Rochester, N. Y. Journal box lid for railway cars. 151,955, Dec. 7.
- Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Head for railroad water hydrants and similar articles. 151,208, Oct. 5.
- Bartholomew, Augusta K., New York, N. Y., assignor to Chicopee Sales Corporation. Textile fabric or similar article of manufacture. 149,537, May 11.
- Bartmann & Bixler, Inc., assignee: See—Dix, Samuel A.
- Barton, Mell M., San Marino, assignor to M. J. Volt Rubber Corporation, Los Angeles, Calif. Kicking tee. 150,195, July 13.
- Bashaw, Willard M., and W. O. Dixon, Wichita, Kans. Velocipede. 149,243, Apr. 13.
- Bashaw, Willard M., and W. O. Dixon, Wichita, Kans. Velocipede. 149,244, Apr. 13.
- Bassett, Bertha A.: See—Van Dirsten, Margaret, and B. A. and H. L. Bassett.
- Bassett, Harry L.: See—Van Dirsten, Margaret, and B. A. and H. L. Bassett.
- Bassick Company, The, assignee: See—Kendall, William A.
- Bates, Jesse H., Wauwatosa, Wis. Child's cart. 151,582, Nov. 2.
- Batchelder, William G., Omaha, Nebr. Game board. 151,486, Oct. 26.
- Bauberger, Charles W., Malverne, N. Y. Faucet. 149,398, Apr. 27.
- Baud, Georges, Paris, France. Box for bottle or similar article. 149,788, June 1.
- Baud, Georges, Paris, France. Bottle or similar article. 149,789, June 1.
- Baud, Georges, Paris, France. Combined holder and containers for perfume. 151,209, Oct. 5.
- Baud, Georges, Paris, France. Container for a perfume bottle or the like. 151,729, Nov. 16.
- Baud, Georges, Paris, France. Container for perfume bottles or the like. 151,730, Nov. 16.
- Baud, Georges, Paris, France. Box for cosmetics or the like. 151,956, Dec. 7.
- Bauer, Clarence E., Norwalk, assignor to Danbury Rubber Co., Inc., Danbury, Conn. Door mat. 150,671, Aug. 24.

- Bauer, Irwin G., Cincinnati, Ohio. Combination lighter, tamper, and knife. 150,196, July 13.
- Bauer, Nicklos A., Chicago, Ill. Necklace. 150,538, Aug. 17.
- Bauman, Howard A., assignor to Enger-Kress Company, West Bend, Wis. Combined billfold, purse, and memorandum pad holder. 152,134, Dec. 21.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 150,539, Aug. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 150,540, Aug. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 150,541, Aug. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 150,542, Aug. 17.
- Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 150,543, Aug. 17.
- Baumgartner, Apollinaris, New York, N. Y. Orphrey or similar article. 150,544, Aug. 17.
- Baumuel, Arthur P., assignee, et al.: *See*—Seidel, Benjamin.
- Baur, John W., and E. Gustafsson, assignor to Binks Manufacturing Company, Chicago, Ill. Spray gun or the like. 148,904, Mar. 9.
- Bausch & Lomb Optical Company, assignee: *See*—O'Dea, Martin J.
Stegeman, Raymond F. E.
Wolfe, Bernard J.
- Bausenbach, Arthur E., Buffalo, N. Y. Jumping stick. 148,515, Feb. 3.
- Baxter, Clement T.: *See*—Poor, Joseph F., and Baxter.
- Bay State Optical Company, assignee: *See*—Hansen, Julius E.
- Beal, Harold R.: *See*—Teague, Walter D., Ensign, Beal, and Fairbank.
- Beall, Herbert S., Norfolk, Va. Chair. 149,399, Apr. 27.
- Beach, John M., Grand Rapids, Mich. Burial casket. 150,197, July 13.
- Beatty, Charles H., Philadelphia, Pa. Combination desk unit. 149,335, Apr. 20.
- Becher, Wesley R., Wethersfield, assignor to The Sillex Company, Hartford, Conn. Filter for coffee makers. 148,601, Feb. 10.
- Beck, Derwood A., Seville, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Airplane. 150,672, Aug. 24.
- Beck, Derwood A., Seville, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Airplane. 151,583, Nov. 2.
- Beck, Morton, Denver, Colo. Display case. 148,274, Jan. 6.
- Beck, William A., Itasca, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,607, May 18.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 150,673, Aug. 24.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Casing for a space heater. 150,674, Aug. 24.
- Becker, Robert H., assignee: *See*—Rixson, Ewing S.
- Becker, Stephen P., Poughkeepsie, N. Y. Hot line tap. 152,135, Dec. 21.
- Beckett, Thomas G., Dallas, Tex. Fluorescent lighting fixture or similar article. 149,245, Apr. 13.
- Beder, Samuel L., New York, N. Y. Figure toy. 149,041, Mar. 23.
- Beech-Nut Packing Company, assignee: *See*—Morrison, Laurence B.
- Beer, Leo, Kew Gardens, and H. Stern, New York, N. Y. Braid. 149,246, Apr. 13.
- Beggs, David T.: *See*—Winkler, Frederic C., and Beggs.
- Beltech, Sol J., and S. Fine, New York, N. Y. Combined telephone stand and pad holder. 151,806, Nov. 23.
- Belcher, Boris, Philadelphia, Pa. Condiment shaker. 148,906, Mar. 9.
- Belden, Perry, assignor to Rotomower, Inc., Lansdale, Pa. Hood for a power rotary mower. 149,731, May 25.
- Bel Geddes, Norman, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver cabinet. 150,126, July 6.
- Bell Aircraft Corporation, assignee: *See*—Sutton, Frank L.
Young, Arthur M.
- Bell & Howell Company, assignee: *See*—Reinecke, Jean O.
- Bell, Sidney R., Stamford, Conn., assignor to I. J. Moritt, Brooklyn, N. Y. Head for a portable sewing machine. 151,584, Nov. 2.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—Dreyfuss, Henry.
Marrison, Warren A., and Thayer.
- Bellsey, David, New York, N. Y. Coat. 149,732, May 25.
- Bemis, Ken E., Oakland, Calif. Waffle. 148,602, Feb. 10.
- Bendix Aviation Corporation, assignee: *See*—Burton, Frank C.
Hruska, Leo J., and Garbutti.
La Barre, Ernoll W.
Platt, Joseph B.
- Benevolent and Protective Order of Elks, United States of America, assignee: *See*—Malley, John F., and Ribera.
- Bennett, Daniel: *See*—Baneroff, Abraham, and Bennett.
- Bennett, Donald F.: *See*—Weber, Henry J., and Bennett.
- Bennett, Harold P., West New York, N. J. Combination chair and chest. 148,744, Feb. 24.
- Bensen, Arthur L., West New Brighton, Staten Island, N. Y. Hand carried support for lighting and camera means. 150,051, June 29.
- Benson, Donald O., Racine, assignor to Ira M. Jones, Milwaukee, Wis. Child's chair. 151,317, Oct. 12.
- Bentley, George K., assignor to McCray Refrigerator Company, Kendallville, Ind. Housing for refrigerator coils. 149,608, May 18.
- Benton, Harold Z.: *See*—Adams, Charles J., and Benton.
- Berby, Ola L., assignor to Clyde Iron Works, Inc., Duluth, Minn. Tandem road roller. 150,396, Aug. 3.
- Berg, Otto E., Washington, D. C. Book-end. 148,603, Feb. 10.
- Berg, Louis: *See*—Smole, Murray, and Berg.
- Berg, Louis B., assignor to Verson Allsteel Press Company, Chicago, Ill. Water closet. 150,397, Aug. 3.
- Berg, Vernon E., Marshfield, Wis. Water bowl for stock. 150,917, Sept. 14.
- Bergen, Drake, and D. Cohl, Chicago, Ill. Fruit juicer. 150,398, Aug. 3.
- Berger, Samuel I., Newark, N. J. Toy typewriter. 148,745, Feb. 24.
- Berger, Samuel I., Newark, N. J. Mechanical toy. 149,928, June 15.
- Berger, Samuel I., Newark, N. J. Mechanical toy. 151,318, Oct. 12.
- Berggren, John W., Chicago, Ill. Phonograph needle. 148,746, Feb. 24.
- Bergstedt, David H., Melvindale, Mich. Vegetable masher. 150,545, Aug. 17.
- Berker, Gabriel C., Atherton, Calif. Wheelbarrow. 148,747, Feb. 24.
- Berkowitz, Hyman C., Newton, Mass. Wine bottle. 151,807, Nov. 23.
- Berlin, Frederick H., Jr., New York, N. Y. Tray. 150,747, Aug. 31.
- Berlin, Irving: *See*—McCann, DeWitt, Berlin, and Graham.
- Berlin Tanning & Mfg. Co., assignee: *See*—Bottge, Harry W.
- Berman, Esther, Chicago, Ill., now by judicial change of name Esther Berryman. Educational appliance. 149,106, Mar. 30.
- Berndt-Bach, Incorporated, assignee: *See*—Bach, Walter H.
- Bernecker, Arthur, Hempstead, N. Y. Lapel ornament or similar article. 150,918, Sept. 14.
- Bernecker, Arthur, Hempstead, N. Y. Lapel ornament or similar article. 150,919, Sept. 14.
- Bernstein, Robert, Omaha, Nebr. Transport tank or similar article. 150,399, Aug. 3.
- Berry, James D., Los Angeles, Calif. Washing device or similar article. 152,136, Dec. 21.
- Berry, William B., Company, assignee: *See*—Jones, Russell G.
- Berryman, Esther, by judicial change of name: *See*—Berman, Esther.
- Bersudsky, Sidney, Sidney, Nova Scotia, Canada. Flash-light or similar article. 152,137, Dec. 21.
- Berwyn Lamp & Shade Manufacturing Co., assignee: *See*—Tatar, Frank.
- Besozi, Mario A., Beechhurst, N. Y. Food mincer. 150,920, Sept. 14.
- Besozi, Mario A., Beechhurst, N. Y. Food mincer. 151,026, Sept. 21.
- Betten, Philip: *See*—Lehrhaupt, Maxwell.
- Betten, Philip, and M. Lehrhaupt, Brooklyn, N. Y. Meat holder and carver's aid. 148,453, Jan. 27.
- Bextel, Robert O., Chicago, Ill. Combination lamp and potted plant bowl. 148,905, Mar. 9.
- Bianchi, Raymond B., assignor of one-half to N. E. Cahen, Chicago, Ill. Telephone holder. 150,821, Sept. 7.
- Bickel, Saul S.: *See*—Cooper, Benjamin, and Bickel.
- Biener, Charles W., Yakima, Wash. Table ornament. 151,116, Sept. 28.
- Biernat, Edward M., assignee, et al.: *See*—Biernat, Walter J.
- Biernat, Joseph L., assignee, et al.: *See*—Biernat, Walter J.
- Biernat Tackle Manufacturing Company, assignee: *See*—Biernat, Walter J.
- Biernat, Thomas A., assignee, et al.: *See*—Biernat, Walter J.
- Biernat, Walter J., assignor to J. L., E. M., T. A., and W. J. Biernat, Detroit, Mich., a partnership doing business under the firm name of Biernat Tackle Manufacturing Company. Fish lure. 149,790, June 1.
- Bigar, Roger, New York, N. Y. Bottle. 148,604, Feb. 10.
- Bigelow, Charles A., Houston, Tex. Airplane. 149,929, June 15.
- Bigins, Roy G., Kansas City, Kans. Pin. 149,609, May 18.
- Bihler, Walter G., Detroit, assignor to Special Machine & Engineering Co., Hazel Park, Mich. Miniature vise. 148,275, Jan. 6.

- Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 149,042, Mar. 23.
- Binder, Sam, Los Angeles, assignor to World Games, Inc., Los Angeles County, Calif. Game board. 149,336, Apr. 20.
- Bingman, Robert E., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Control column. 150,748, Aug. 31.
- Binks Manufacturing Company, assignee: *See*—
Baur, John W., and Gustafsson.
- Binsack, William F., Irondequoit, N. Y. Drapery hanger. 150,921, Sept. 14.
- Bird, Edward, London, England. Rocking chair. 151,675, Nov. 9.
- Bird, Ross H., Houston, Tex. Diving bell. 150,198, July 13.
- Birdie-Brush Manufacturing Company, Unincorporated, assignee: *See*—
Fournier, William J.
- Biro, Jorge, Buenos Aires, Argentina. Perfume applicator. 149,791, June 1.
- Biro, Ladislao J., Buenos Aires, Argentina. Perfume dispenser. 149,400, Apr. 27.
- Birtcher Corporation, The, assignee: *See*—
Cruze, Charles M.
- Bishop, Emerson C., Los Angeles, Calif. Advertising figurine. 151,426, Oct. 19.
- Biva, Lucien, Catskill, assignor to E. F. Timme & Son, New York, N. Y. Rug. 149,107, Mar. 30.
- Bjorncrantz, Carl G., Evanston, and J. W. Hauser, Oak Park, assignors to Sears, Roebuck and Co., Chicago, Ill. Housing for thermostatic control. 148,404, Jan. 20.
- Bjorncrantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen range. 149,045, Mar. 23.
- Bjorncrantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Circulating heater casing. 149,610, May 18.
- Bjorncrantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Space heater casing. 151,487, Oct. 26.
- Bjorncrantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Space heater casing. 151,488, Oct. 26.
- Blacher, Benjamin, Providence, R. I., assignor to Blacher Brothers, Inc. Bag frame or similar article. 150,107, July 6.
- Blacher Brothers, Inc., assignee: *See*—
Blacher, Benjamin.
- Black, Albert C., Los Angeles, Calif. Combined radio cabinet, clock, and lamp. 150,922, Sept. 14.
- Black, Robert A., assignee, et al.: *See*—
Murray, Victor E.
- Blackburn, Luther A., Lynwood, Calif. Oil well pumping unit. 148,405, Jan. 20.
- Blake, Octave, Plainfield, N. J. Brooch or similar article. 151,731, Nov. 16.
- Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Ceramic table tile. 148,454, Jan. 27.
- Blecher, Boris, Philadelphia, Pa. Book end. 148,748, Feb. 24.
- Blecher, Boris, Philadelphia, Pa. Calendar stand. 148,972, Mar. 16.
- Blecher, Boris, Philadelphia, Pa. Penholder. 148,973, Mar. 16.
- Blecher, Boris, Philadelphia, Pa. Pipe stand. 149,401, Apr. 27.
- Blecher, Boris, Philadelphia, Pa. Ash tray. 149,611, May 18.
- Blecher, Boris, Philadelphia, Pa. Condiment shaker. 150,749, Aug. 31.
- Blecher, Boris, Philadelphia, Pa. Thermometer. 151,027, Sept. 21.
- Bleich, Arthur M., Cambridge, Ohio. Nursery bed unit. 150,822, Sept. 7.
- Bleich, Michael, and W. B. Axelrod, New York, N. Y. Stenographers' notebook stand or similar article. 148,455, Jan. 27.
- Bletcher, James H.: *See*—
Bletcher, Ralph E., and Bucknell.
- Bletcher, Pearl W.: *See*—
Bletcher, Ralph E., and Bucknell.
- Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif., assignors of ten percent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half per cent to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, 10 per cent to J. H. Bletcher, ten per cent to E. B. Skinner, ten per cent to C. R. B. Robertson. Shower head. 152,054, Dec. 14.
- Bletzinger, Frederick, Sr., Chicago, Ill. Paper roll holder or similar article. 151,676, Nov. 9.
- Blevins, Albert C., assignor to Comet Battery Charger Company, Ltd., Dallas, Tex. Battery charging machine or similar article. 151,117, Sept. 28.
- Bley & Spurgeon, assignee: *See*—
Bley, William G.
- Bley, William G., Bustleton, assignor to W. G. Bley and R. C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa. Lady's stocking. 151,732, Nov. 16.
- Bley, William G., Bustleton, assignor to W. G. Bley and R. C. Spurgeon, copartners trading as Bley & Spurgeon, Philadelphia, Pa. Lady's stocking. 151,733, Nov. 16.
- Blickman, Manuel, New York, N. Y., assignor to S. Blickman, Inc., Weehawken, N. J. Coffee-making apparatus casing. 148,347, Jan. 13.
- Blickman, S., Inc., assignee: *See*—
Blickman, Manuel.
- Blitzstein, William, assignor to Sunset, Incorporated, Chicago, Ill. Bottle. 151,028, Sept. 21.
- Bloch Freres, Inc., assignee: *See*—
Bloch, Mathieu.
- Bloch, Mathieu, assignor to Bloch Freres, Inc., New York, N. Y. Font of type. 151,677, Nov. 9.
- Blouin, Leo W., Middleboro, Mass. Bobby pin and hair-pin holder. 151,678, Nov. 9.
- Blum, Nicholas J., Detroit, Mich. Change handler. 150,199, July 13.
- Elumenthal, David, and H. L. Seiden, assignors to Phil-Mar Mfg. Corp., Chicago, Ill. Hostess tray. 149,046, Mar. 23.
- Boal, Stewart, Winnetka, assignor to Randolph Laboratories, Inc., Chicago, Ill. Fire extinguisher or similar article. 148,276, Jan. 6.
- Bockus, Robert C., assignor to Gem Crib & Cradle Company, Gardner, Mass. Panel toy. 150,489, Aug. 10.
- Bodie, Russell, Honesdale, and S. C. Bronson, Seelyville, Pa. Shoe or similar article. 149,160, Apr. 6.
- Boecking, Ewald, Great Kills, Staten Island, assignor to Manufacturers Machine & Tool Co., Inc., Mount Vernon, N. Y. Housing for a motion picture projector or similar article. 149,247, Apr. 13.
- Boeing Aircraft Company, assignee: *See*—
Owens, Wayne F.
- Boeringer, Barbara J., Minneapolis, Minn. Protective head covering. 151,957, Dec. 7.
- Boes, W. W., Company, The, assignee: *See*—
Clark, Kendall, and Allen.
- Boettge, Harry W., assignor to Berlin Tanning & Mfg. Co., Berlin, Wis. Lined overshoe. 150,200, July 13.
- Bogoff, Herman, Chicago, Ill. Pin. 148,277, Jan. 6.
- Bogoff, Herman, Chicago, Ill. Earring. 148,278, Jan. 6.
- Bogoff, Herman, Chicago, Ill. Earring. 148,279, Jan. 6.
- Bogoff, Herman, Chicago, Ill. Earring. 148,280, Jan. 6.
- Bogoff, Herman, Chicago, Ill. Earring. 148,406, Jan. 20.
- Bogoff, Herman, Chicago, Ill. Link bracelet. 149,468, May 4.
- Bogoff, Herman, Chicago, Ill. Link bracelet. 149,469, May 4.
- Bogoff, Herman, Chicago, Ill. Link bracelet. 149,470, May 4.
- Bogoff, Herman, Chicago, Ill. Link bracelet. 150,675, Aug. 24.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Earring. 151,867, Nov. 30.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 151,868, Nov. 30.
- Bogoff, Henry, Chicago, Ill. Link bracelet. 151,869, Nov. 30.
- Bogoff, Herman, Chicago, Ill. Necklace or the like. 151,958, Dec. 7.
- Boldt, James E., Richmond, assignor to California Trailer Company, El Cerrito, Calif., a co-partnership composed of Preston Perdue and Edwin Gilbert. Trailer. 148,749, Feb. 24.
- Bolle, Georges, assignor to Thurgar Bolle Limited, Church Way, Wellingborough, England. Spectacle frame. 148,974, Mar. 16.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 149,161, Apr. 6.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 149,162, Apr. 6.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 149,855, June 8.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 151,210, Oct. 5.
- Bonzani, Giovanni N., San Mateo County, Calif. Flag. 149,612, May 18.
- Bookman, Charles F., Jr., University Heights, and Z. H. Jammé, assignors to Railley Corporation, Cleveland, Ohio. Bracket lamp socket. 148,750, Feb. 24.
- Bookman, Charles F., Jr., University Heights, and Z. H. Jammé, assignors to Railley Corporation, Cleveland, Ohio. Combined bracket lamp socket and control switch. 151,489, Oct. 26.
- Booxbaum, Maxwell M., Mount Vernon, N. Y. Golf club head protector. 150,052, June 29.
- Borg, George W., Corporation, The, assignee: *See*—
Laing, Gordon F., and Haggstrom.
Newman, Herbert A.
- Borg-Warner Corporation, assignee: *See*—
Ingersoll, Roy C.
Keller, Leonard.
- Borgerson, Birger J., -Chicago, Ill. Traveling lawn sprinkler. 151,118, Sept. 28.
- Bossard, Gisbert L., Cleveland, Ohio. Electric signalling device. 150,287, July 20.
- Boston Manufacturing Co., assignee: *See*—
Mason, Vincent I.
- Boston Stove Foundry Company, assignee: *See*—
Covey, Laird F.
- Botany Mills, Inc., assignee: *See*—
Goldsmith, Berthold, Jr.

- Botham, Arthur R., Great Barrington, Mass. Electrically operated hair brush or the like. 150,201, July 13.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 148,672, Feb. 17.
- Boucher, Marcel, New York, N. Y. Pin or similar article. 148,751, Feb. 24.
- Boucher, Marcel, New York, N. Y. Earring. 150,546, Aug. 17.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,029, Sept. 21.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,490, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,491, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,492, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,493, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,494, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,495, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,496, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,497, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,498, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,499, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,500, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,501, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,502, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,503, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,504, Oct. 26.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 151,505, Oct. 26.
- Boucher, Marcel, New York, N. Y. Clip or similar article. 151,734, Nov. 16.
- Boucher, Marcel, New York, N. Y. Clip or similar article. 151,735, Nov. 16.
- Boucher, Marcel, New York, N. Y. Earring or similar article. 151,808, Nov. 23.
- Bouligny, Lawrence A., Miami, Fla. Aquarium table. 149,043, Mar. 23.
- Boutelle, Allen O., Jefferson, and R. C. Kuder, assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Tube lamp fixture. 150,923, Sept. 14.
- Bowden, Ralph T., and G. B. Roberts, Brunswick, Ga. Play yard equipment. 150,400, Aug. 3.
- Bowers, Bailey T., Chicago, Ill. Desk unit. 151,959, Dec. 7.
- Boyco, Inc., assignee: *See*—Nelson, Adolph J.
- Boyd, Francis O.: *See*—Johanson, John E., and Boyd.
- Boyden, Robert E.: *See*—Clary, Hugh L., and Boyden.
- Boyes, James C., San Pedro, Calif. Airplane. 148,673, Feb. 17.
- Bozoti, Joseph, Parma, Ohio. Combined drinking glass and toothbrush holder. 150,752, Aug. 31.
- Bozoti, Joseph, Parma, Ohio. Soap dish. 150,750, Aug. 31.
- Bozoti, Joseph, Parma, Ohio. Wall bracket. 150,751, Aug. 31.
- Bradbury, Joseph W., Bridgeport, Conn. Soap dish. 151,211, Oct. 5.
- Bradley, C. C., & Son, Inc., assignee: *See*—During, William J., and Punke.
- Bradley, Elizabeth K., New York, N. Y., assignor to B. D. Gilbert, Stamford, Conn. Slipper. 151,870, Nov. 30.
- Bradley Washfountain Co., assignee: *See*—Stevens, Clifford B.
- Brandenburg, Edna E., New York, N. Y. Doll. 149,402, Apr. 27.
- Brandt, Paul B., Augusta, Kans. Denture brush. 151,319, Oct. 12.
- Branham, Mareck & Duepner, Inc., assignee: *See*—Duepner, Charles A.
- Brannon, Herbert E., Dryden, Mich. Teakettle. 148,348, Jan. 13.
- Brannon, Herbert E., deceased, Dryden, Mich.; C. W. Hayner, administrator. Pressure cooker. 148,605, Feb. 10.
- Brannon, Herbert E., deceased, Dryden, Mich.; C. W. Hayner, administrator. Pressure cooker. 148,606, Feb. 10.
- Brasfield, George A., Berkeley, Calif. Tank vehicle. 151,960, Dec. 7.
- Brasfield, George A., Berkeley, Calif. Tank vehicle. 152,055, Dec. 14.
- Brass Products Co.: *See*—Haldane, James M.
- Bratt, Bert J., Chicago, Ill. Holder for playing cards. 149,538, May 11.
- Bratt, Bert J., Chicago, Ill. Articulate poker chip container. 149,930, June 15.
- Braun, Gustav F.: *See*—Dann, Charles W., Braun, and Somers.
- Braun, Samuel, Rockville Centre, and M. Crystal, Forest Hills, N. Y. Watch and jewelry display box. 149,792, June 1.
- Braun, Samuel, Rockville Centre, and M. Crystal, Forest Hills, N. Y. Watch and jewelry display box. 151,679, Nov. 9.
- Brecher, Irving, Flushing, assignor to Baby World Company, Inc., New York, N. Y. Baby bathing device. 149,403, Apr. 27.
- Breslow, Leon, New York, N. Y. Baby bottle holder. 149,108, Mar. 30.
- Bresn, Allan, Chicago, Ill. Hair comb. 151,427, Oct. 19.
- Breuer Electric Mfg. Company, assignee: *See*—Lanter, Clarence W.
- Briam Industrial Corporation, assignee: *See*—De Kadt, Maurits and J.
- Brickson, Thomas B., Minneapolis, Minn. Coaster car. 150,401, Aug. 3.
- Briggs, Charles B., Horbury, assignor to Slazengars Limited, London, and William Sykes Limited, Horbury, England. Racquet press. 151,680, Nov. 9.
- Briggs & Stratton Corporation, assignee: *See*—Oehrlein, Willard J., Lechtenberg, and Stevens.
- Stevens, Clifford B., Oehrlein, and Lechtenberg.
- Bright, Roy L., assignor to Du Bois Plastic Products, Inc., Buffalo, N. Y. Sun spectacles. 150,924, Sept. 14.
- Brillhart, Arnold, Ltd., assignee: *See*—Galehouse, Clark F.
- Brill, Edward F., Milwaukee, Wis. Self-service refrigerated display case. 151,681, Nov. 9.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Movie projector carrying case. 149,856, June 8.
- Briskin, Jack, and J. J. Golick, assignors to Revere Camera Company, Chicago, Ill. Camera. 148,975, Mar. 16.
- Briskin, Jack, and C. Peto, assignors to Revere Camera Company, Chicago, Ill. Movie projector. 148,976, Mar. 16.
- Briskin, Jack, and J. J. Golick, assignors to Revere Camera Company, Chicago, Ill. Camera. 148,977, Mar. 16.
- Bristol Manufacturing Corporation, assignee: *See*—Campagna, Michele.
- Bristol Steel & Iron Works, Inc., assignee: *See*—Ferguson, Robert O.
- Broadbent, Hugh W., Ogden, Utah. Display device. 148,607, Feb. 10.
- Brogan, Frank, Cincinnati, Ohio. Automobile. 148,516, Feb. 3.
- Brohwn, Philip J., New York, N. Y., assignor to International Engraving Machine Corp. Engraving machine. 151,212, Oct. 5.
- Bromberg, Louis, Rockaway Park, N. Y. Piano. 151,585, Nov. 2.
- Bronson, Stanley C.: *See*—Bodie, Russell.
- Brooking, Walter J., assignor to Letourneau Technical Institute of Texas, Longview, Tex. Badge or similar article. 149,857, June 8.
- Brooks, Charles, Glendale, Calif. Bird figure or similar article. 148,517, Feb. 3.
- Brothers, Lewis R., North Hollywood, Calif. Combined radio and bed lamp. 151,320, Oct. 12.
- Brown & Bigelow, assignee: *See*—Woofter, Cecil B.
- Brown, Burton J., Detroit, Mich. Automobile. 149,539, May 11.
- Brown, Chester A., and H. Faber, Grand Rapids, Mich. Radio service bench. 149,044, Mar. 23.
- Brown, George B., assignor to The Cinch Company, Kansas City, Mo. Bottle. 150,490, Aug. 10.
- Brown, Henry C., New York, N. Y. Collapsible garment hanger. 149,858, June 8.
- Brown, Robert C., Amarillo, Tex. Service station. 150,491, Aug. 10.
- Brown & Mills, Inc., assignee: *See*—Zborovszky, Andrew.
- Brown, Philip M., Elmhurst, Ill. Book cover. 148,674, Feb. 17.
- Brown, Russell A., assignee: *See*—Lown, John C.
- Brown & Sharpe Manufacturing Company, assignee: *See*—Twamley, William E.
- Brown, Violet, Wrentham, Mass., assignor to R. M. Jordan & Company, Inc. Desk ornament. 149,163, Apr. 6.
- Brown, Violet, Wrentham, Mass., assignor to R. M. Jordan & Company, Inc. Desk ornament. 149,164, Apr. 6.
- Brown, Violet, Wrentham, Mass., assignor to R. M. Jordan & Company, Inc. Desk ornament. 149,248, Apr. 13.
- Brown, Violet, Wrentham, Mass., assignor to R. M. Jordan & Company, Inc. Desk ornament. 149,249, Apr. 13.
- Bruck, Michael, assignor, by mesne assignments, of one-half to R. Frankfield, New York, N. Y. Game board. 149,931, June 15.
- Brull, Stephen C., Chicago, Ill. Door handle. 152,056, Dec. 14.
- Bruner, Charles C., Wichita, Kans. Milking stool. 151,213, Oct. 5.
- Brunmark, Elmer H., Worcester, Mass. Display cabinet. 150,053, June 29.

- Brunswick-Balke-Collender Company, The, assignee: *See*—Anderson, Robert L., and Hoeker.
Gillett, Edward C.
- Brusseau, Mary J., Detroit, Mich. Combined illuminable clock, telephone stand, and calendar. 150,676, Aug. 24.
- Bruynzeel's Deurenfabriek N. V., assignee: *See*—Staartjes, Johannes.
- Bryce, Betty A., Tacoma, Wash., now by decree of marriage B. A. Dobiash. Sweater. 152,057, Dec. 14.
- Buchhart, Prosper W., Closter, N. J. Semiautomatic table lighter. 152,186, Dec. 28.
- Buck, Cecil H., Birmingham, Ala. Glider swing. 149,932, June 15.
- Buckley, Nadja, New York, N. Y. Spectacle frame or similar article. 151,030, Sept. 21.
- Bucknell, Ernest H.: *See*—Bletcher, Ralph E., and Bucknell.
- Bucknell, Mabel: *See*—Bletcher, Ralph E., and Bucknell.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Table. 150,547, Aug. 17.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet. 150,548, Aug. 17.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Chest or similar article. 150,823, Sept. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Credenza or similar article. 150,824, Sept. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Chest or similar article. 150,825, Sept. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet or similar article. 151,214, Oct. 5.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet or similar article. 151,215, Oct. 5.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet or similar article. 151,216, Oct. 5.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Table. 151,586, Nov. 2.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Sofa. 151,587, Nov. 2.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Night table. 151,588, Nov. 2.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Dresser. 151,589, Nov. 2.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Dressing table. 151,590, Nov. 2.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Bed. 151,961, Dec. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Commode. 151,962, Dec. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Cabinet. 151,963, Dec. 7.
- Buckner, Anthony J., assignor to Grosfeld House, Inc., New York, N. Y. Commode. 151,964, Dec. 7.
- Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 148,518, Feb. 3.
- Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 150,925, Sept. 14.
- Buegeleisen, Joseph, Co., Inc., assignee: *See*—Ashdowne, James S.
- Buehren, Mary, Winnetka, Ill. Combined ashtray, glass and poker chip holder. 151,217, Oct. 5.
- Bugbee, Richard, Milner, British Columbia, Canada. Combined compact and scent spray. 150,826, Sept. 7.
- Bullian, Eli D., assignee: *See*—Tecca, Umberto.
- Bullock, Alden D., Seattle, Wash. Combined aquarium and coffee table. 148,608, Feb. 10.
- Bulova Watch Company, Inc., assignee: *See*—Fachon, Emil E.
- Bunn, Robert D., and B. L. Hayes, Asheville, N. C. Shoe heel. 151,591, Nov. 2.
- Burge, Harry W., Overland, Mo. Match book dispenser. 149,733, May 25.
- Burgess, Archibald R., assignor to AMP Corporation, St. Louis, Mo. Beverage dispenser. 150,827, Sept. 7.
- Burke & James, Inc., assignee: *See*—Drucker, Albert.
- Burkett, C. W., assignee: *See*—Fehrenbach, Henry.
- Burkett, Charles F., Cumberland, Md. Lamp. 149,997, June 22.
- Burnelli, Vincent J., Red Bank, N. J. Transport airplane. 150,926, Sept. 14.
- Burnham, Benjamin F., Huntington Woods, assignor to Kerr Manufacturing Company, Detroit, Mich. Hand blowtorch. 152,187, Dec. 28.
- Burns, Bruce: *See*—Grandon, Matthew R., and Burns.
- Burns, Thomas R., Washington, D. C. Combination automobile and airplane. 149,404, Apr. 27.
- Burst, Francis J.: *See*—Hillenbrand, William A., and Burst.
- Burst, Francis J., assignor to Hill-Rom Company, Inc., Batesville, Ind. Support bracket for over-bed table. 149,793, June 1.
- Burton, Frank C., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 148,675, Feb. 17.
- Burton, Frank C., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 148,907, Mar. 9.
- Burton, Frank C., Grand Rapids, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 150,108, July 6.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wall paper or the like. 149,734, May 25.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wall paper or the like. 149,735, May 25.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wallpaper or the like. 149,736, May 25.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wallpaper or the like. 149,737, May 25.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wallpaper or the like. 149,738, May 25.
- Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Decorative paper. 149,859, June 8.
- Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,592, Nov. 2.
- Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,593, Nov. 2.
- Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,594, Nov. 2.
- Burton, William, River Forest, assignor to United Wallpaper, Inc., Chicago, Ill. Wallpaper or the like. 151,595, Nov. 2.
- Busch, Fred W., assignor to Milsteel Products Co., Milwaukee, Wis. Electric iron. 151,321, Oct. 12.
- Push, Leon D., Chicago, Ill. Cake ornament. 148,841, Mar. 2.
- Bushman, Edwin F., Aurora, Ill. Dispensing holder for bottles or the like. 149,933, June 15.
- Bustin, Leo, New York, N. Y. Grille guard for motor vehicles. 152,058, Dec. 14.
- Bustin, Leo, New York, N. Y. Grille guard for motor vehicles. 152,059, Dec. 14.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,752, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,753, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,754, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,755, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,756, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,757, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,758, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,759, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,760, Feb. 24.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,978, Mar. 16.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,979, Mar. 16.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 148,980, Mar. 16.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 151,596, Nov. 2.
- Butler, Arvilla K.: *See*—Potts, Clifford.
- Butler, Arvilla K., assignee, et al.: *See*—Potts, Clifford.
- Butler Brothers, assignee: *See*—Amstutz, Walter R.
- Butler, Louis A.: *See*—Potts, Clifford.
- Butler, Louis A., assignee, et al.: *See*—Potts, Clifford.
- Byrnes, Harold J.: *See*—Gallegos, Louis D., and Byrnes.
- C-Eight Laboratories, assignee: *See*—Caruso, Mario.
- Cabot, Thomas H., Jr.: *See*—Chapin, Bernard L., Davis, and Cabot.
- Caestecker, Charles E., Kenilworth, assignor to American Molded Products Co., Chicago, Ill. Poker chip. 149,613, May 18.
- Cahen, Ned. E., assignee: *See*—Bianchi, Raymond B.
- Calco Company, The, assignee: *See*—Cicerchia, John.
- California Research Corporation, assignee: *See*—Barrett, Rufus H.
- California Thimble Corporation, assignee: *See*—Howser, Claude M.
- California Trailer Company, assignee: *See*—Boldt, James E.
- Cal-Pan Associates, assignee: *See*—Mungen, Edward S.

- Cameron, Paul P., assignor to Parker Products Company, Flint, Mich. Child's desk. 151,218, Oct. 5.
- Campagna, Michele, assignor to Bristol Manufacturing Corporation, Bristol, R. I. Athletic shoe or the like. 148,519, Feb. 3.
- Campion, Walter A., South St. Paul, Minn. Can punch. 152,060, Dec. 14.
- Canal National Bank of Portland, Maine, The, assignee, trustee: *See—*
Parsons, Wallace E., and Randall, Shepard, Ernest L.
- Candlin, James E., Jr.: *See—*
Murphy, Frank L., and Candlin, Jr.
- Cantor, Jacob J., Los Angeles, Calif. Ear drum protector. 148,908, Mar. 9.
- Capillo, Salvatore, Ossining, N. Y. Walking figure toy. 149,165, Apr. 6.
- Caplin, Harold, assignor to Seamprufe, Incorporated, New York, N. Y. Lady's slip. 150,492, Aug. 10.
- Capozzi, Arthur, Bridgeport, Conn. Lady's sandal. 148,281, Jan. 6.
- Caputo, Nicholas F., Kearny, N. J. Ash tray. 149,337, Apr. 20.
- Cardox Corporation, assignee: *See—*
Harper, Henry R.
- Carli, Ralph, Newark, N. J. Insulating support for an electrical heating element. 148,282, Jan. 6.
- Carapellotti, Charles J., Philadelphia, Pa. Ravioli. 151,871, Nov. 30.
- Carl-Art, Inc., assignee: *See—*
Demmler, Eugene.
- Carlson, George W., Minneapolis, Minn. Scythe. 148,909, Mar. 9.
- Carlson, Gustave W., Superior, Wis. Candy sucker. 149,338, Apr. 20.
- Carlson, Joseph, deceased, Grosse Pointe Farms, Mich., assignor, by court order, to M. E. H. W. Carlson. Fishing rod. 150,402, Aug. 3.
- Carlson, Marie E. H. W., assignee: *See—*
Carlson, Joseph.
- Carmody, James, Collingswood, N. J. Rocket car. 148,761, Feb. 24.
- Carnell, Francis J., New York, N. Y. Wrench. 150,677, Aug. 24.
- Carpenter, Harry L., Kalamazoo, Mich., assignor to Crystal Manufacturing Co., Inc., Chicago, Ill. Merchandise display stand. 149,471, May 4.
- Carr, Charles M., assignor to Modern Plastic Co., Los Angeles, Calif. Razor and blade holder. 149,614, May 18.
- Carr, Elmer P., Buffalo, N. Y. Test mount for miniature engines. 150,753, Aug. 31.
- Carr, William L., Eldon, Mo. Bottle display fixture. 152,061, Dec. 14.
- Carrière, Laurier, Rockford, Ill., assignor to The Maytag Company, Newton, Iowa. Frozen food locker or similar article. 148,762, Feb. 24.
- Carrière, Laurier, Rockford, Ill., assignor to The Maytag Company, Newton, Iowa. Frozen food locker or similar article. 149,615, May 18.
- Carrom Industries, Inc., assignee: *See—*
Smith, Lee, and Mueckler.
- Carssow, Harriet F., assignee: *See—*
Carssow, John F.
- Carssow, John F., Los Angeles, Calif., assignor to R. B. and H. F. Carssow, San Antonio, Tex. Water compass sundial. 151,872, Nov. 30.
- Carssow, Rudolf B., assignee: *See—*
Carssow, John F.
- Carter, George I., Longmeadow, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Housing for air conditioning apparatus or the like. 148,520, Feb. 3.
- Cartier, Inc., assignee: *See—*
Desouches, Gerard B.
Graeter, Harold.
Toussaint, Jeanne.
- Caruso, Anna, assignee, et al.: *See—*
Caruso, Mario.
- Caruso, Anthony M., assignee, et al.: *See—*
Caruso, Mario.
- Caruso, Isabella M., assignee, et al.: *See—*
Caruso, Mario.
- Caruso, Josephine L., assignee, et al.: *See—*
Caruso, Mario.
- Caruso, Mario R., assignee, et al.: *See—*
Caruso, Mario.
- Caruso, Mario, Maplewood, N. J., assignor, by mesne assignments, to M. A. M. R. and R. V. Caruso, T. M. C. Teaban, A. M. I. M., and J. L. Caruso, individually, and t/a C-Tight Laboratories. Vending machine cabinet. 149,794, June 1.
- Caruso, Rosa V., assignee, et al.: *See—*
Caruso, Mario.
- Carver, J. Paul, assignee: *See—*
Parker, Ralph E.
- Cary, Arthur P., assignor to Cary Products, Dallas, Tex., a partnership consisting of A. P. Cary and B. Norbury. Holder for paper napkins or similar articles. 148,676, Feb. 17.
- Cary Products, assignee: *See—*
Cary, Arthur P.
- Cascade Plastics Inc., assignee: *See—*
Jahn, Herbert, and Zaremba.
- Casciano, Augustus, Providence, R. I., assignor to R. M. Jordon & Company, Inc. Brooch or the like. 151,031, Sept. 21.
- Casco Products Corporation, assignee: *See—*
Florian, Gordon W.
- Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Knife rack. 148,283, Jan. 6.
- Case, J. Elliott and W. J., assignors to Kinkfolds Incorporated, Little Valley, N. Y. Container for carrying implements. 149,540, May 11.
- Case, J. I., Company, assignee: *See—*
Hedquist, Milton T., and Haley.
- Case, Wyatt J.: *See—*
Case, J. Elliott and W. J.
- Castleton China, Incorporated, assignee: *See—*
Yee, Ching-Chih.
Zeisel, Eva S.
- Cavin, William L., assignor of one-half to F. H. King, Terrel, Tex. Tire. 150,754, Aug. 31.
- Celander, Phillip A., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Electric switch housing. 149,109, Mar. 30.
- Cenci, Salvatore, Kansas City, Mo. Dough extrusion device or like article. 151,322, Oct. 12.
- Century Sportswear Co., Inc., assignee: *See—*
Cohen, Oscar H.
- Cerasoli, Felix A., Seattle, Wash. Tricycle. 150,755, Aug. 31.
- Chain Belt Company, assignee: *See—*
Fleischmann, George A.
Hilkemeier, Louis G.
Hilkemeier, Louis G., and Knab, Stevens, Clifford B.
- Chalom, Maurice, assignor to Gloria Vanderbilt Corporation, New York, N. Y. Bottle. 149,616, May 18.
- Chapin, Bernard L., Winchester, N. L. Davis, Melrose, and T. H. Cabot, Jr., Boston, assignors to New England Carbid Tool Company, Inc., Cambridge, Mass. Scissors sharpener. 151,323, Oct. 12.
- Chapin, Bernard L., Winchester, N. L. Davis, Melrose, and T. H. Cabot, Jr., Boston, assignors to New England Carbid Tool Company, Inc., Cambridge, Mass. Knife sharpener. 151,324, Oct. 12.
- Chapman, Dave, assignor to Club Aluminum Products Company, Chicago, Ill. Cover for the serving bowl of a coffee maker. 148,677, Feb. 17.
- Chapman, Dave, Chicago, Ill., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Portable electric rectifier. 149,166, Apr. 6.
- Chapman, David, Chicago, Ill., and W. Ramsay, assignors to Hanksdraft Company, Madison, Wis. Baby dish. 150,288, July 20.
- Chase Candy Company, assignee: *See—*
Yantis, William A.
- Charles of The Ritz, Inc., assignee: *See—*
Colwell, Laurence J.
- Chatfield, William W., assignor to Armstrong Products Corporation, Huntington, W. Va. Electric heater casing. 152,062, Dec. 14.
- Chattanooga Implement & Manufacturing Co., assignee: *See—*
Morin, Luke O., Jr., and Warner.
- Chautauqua Hardware Corporation, assignee: *See—*
Gane, Robert W.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or the like. 148,763, Feb. 24.
- Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 148,910, Mar. 9.
- Chernow, Michael, New York, N. Y. Earring or similar article. 149,167, Apr. 6.
- Chernow, Michael, New York, N. Y. Earring or similar article. 149,168, Apr. 6.
- Chernow, Michael, New York, N. Y. Earring or the like. 149,169, Apr. 6.
- Chernow, Michael, New York, N. Y. Earring or the like. 149,170, Apr. 6.
- Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 149,250, Apr. 13.
- Chernow, Michael, New York, N. Y. Bracelet or similar article. 149,472, May 4.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or the like. 149,473, May 4.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 149,739, May 25.
- Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 149,998, June 22.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,054, June 29.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,055, June 29.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,056, June 29.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,057, June 29.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,109, July 6.
- Chernow, Michael, New York, N. Y. Jewelry finding. 150,202, July 13.
- Chernow, Michael, New York, N. Y. Earring or the like. 150,203, July 13.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,204, July 13.

- Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 150,337, July 27.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 150,338, July 27.
- Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 150,403, Aug. 3.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,549, Aug. 17.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,550, Aug. 17.
- Chernow, Michael, New York, N. Y. Earring or the like. 150,551, Aug. 17.
- Chernow, Michael, New York, N. Y. Earring or the like. 150,552, Aug. 17.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,553, Aug. 17.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,678, Aug. 24.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,756, Aug. 31.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,927, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,928, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,929, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,930, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,931, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or similar article. 150,932, Sept. 14.
- Chernow, Michael, New York, N. Y. Earring or the like. 151,325, Oct. 12.
- Chernow, Michael, New York, N. Y. Earring or the like. 151,326, Oct. 12.
- Chernow, Michael, New York, N. Y. Chain for a bracelet or similar article. 151,682, Nov. 9.
- Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 151,736, Nov. 16.
- Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 151,737, Nov. 16.
- Chernow, Michael, New York, N. Y. Scarf holder or similar article. 151,738, Nov. 16.
- Cherry-Burrell Corporation, assignee: *See—*
Lippold, Adolph J.
- Chicago Electric Manufacturing Company, assignee: *See—*
Haase, Lawrence H.
- Chicago Electric Manufacturing Company, assignee: *See—*
- Chicopee Sales Corporation, assignee: *See—*
Bartholomew, Augusta K.
- Chin, Stanley, New York, N. Y. Toy house. 150,493, Aug. 10.
- Chin, Thomas W. F.: *See—*
Baratelli, Charles A., Chin, and Marsh.
- Chirite, John D., Detroit, Mich. Combined telephone support, ash tray, and amplifying loud speaker. 149,339, Apr. 20.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 149,795, June 1.
- Christmas, William T., University City, assignor to The Wallace Corporation, St. Louis County, Mo. Multiple clothespin block. 149,110, Mar. 30.
- Cicerchia, John, North Providence, assignor to The Calco Company, Providence, R. I. Brooch. 148,456, Jan. 27.
- Cincinnati Iron Fence Company-Save-a-Sink, assignee: *See—*
Jensen, Donald G.
Stiles, Harry L.
- Cinch Company, The, assignee: *See—*
Brown, George B.
- Cities Service Oil Company, assignee: *See—*
White, Lysander T.
- City of New York, The, assignee: *See—*
Lorimer, Allan G.
- Civita, Victor, New York, N. Y. Container for pens and pencils. 148,457, Jan. 27.
- Civita, Victor, New York, N. Y., assignor to Consolidated Cosmetics, Chicago, Ill. Combined display stand and perfume bottles. 149,251, Apr. 13.
- Clafin, Roland S., Park Ridge, Ill. Child's spoon. 151,739, Nov. 16.
- Clafin, Ruth S., Park Ridge, Ill. Child's play pad. 149,474, May 4.
- Clark & Coombs Company, assignee: *See—*
Hoeckele, Anton.
- Clark, Earle W., assignor to Keeler Brass Company, Grand Rapids, Mich. Clip for mirrors or glass panels. 151,597, Nov. 2.
- Clark, Harry J., Monrovia, Calif. Housing for a space heater. 150,933, Sept. 14.
- Clark, Kendall, Dayton, and W. M. Allen, Hamilton, assignor to The W. W. Boes Company, Dayton, Ohio. Nut-cracker or similar article. 149,047, Mar. 23.
- Clark, Robert H., assignee: *See—*
Cruze, Charles F., and Killoran.
Wilson, Harry C.
- Clark, William J., Bexley, Ohio, assignor to Curtiss-Wright Corporation. Airplane. 152,063, Dec. 14.
- Clarke, James R., Oneida, N. Y. Powder blender. 151,683, Nov. 9.
- Clarke Sanding Machine Company, assignee: *See—*
Atkin, Kenneth C.
- Clarke, William A., Jr., New Lexington, Ohio. Clock. 148,284, Jan. 6.
- Clary, Hugh L., Pasadena, and R. E. Boyden, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Key-board for calculating machines or similar articles. 148,458, Jan. 27.
- Clary Multiplier Corporation, assignee: *See—*
Clary, Hugh L., and Boyden.
- Classic Weaving Corporation, assignee: *See—*
Mitschke, Walter.
- Clauser, Milton U., Los Angeles, and A. N. Hatch, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Turbine jet aircraft engine. 151,219, Oct. 5.
- Claus, Herman E., Afton, Mo. Vise-jaw holder and support therefor. 151,423, Oct. 19.
- Claus, Herman E., Afton, Mo. Adjustable vise-jaw holder and support therefor. 151,429, Oct. 19.
- Cleary, Walter J., Philadelphia, Pa. Clothes hanger. 148,407, Jan. 20.
- Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Projector. 148,764, Feb. 24.
- Clement, Theodore G., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. 148,765, Feb. 24.
- Clement, Theodore G., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriter. 149,796, June 1.
- Clemetsen, Erling A., Long Grove, Ill. Swimming pool. 149,340, Apr. 20.
- Clemetsen, Erling A., Long Grove, Ill. Swimming pool. 149,341, Apr. 20.
- Cless, John M., West Los Angeles, Calif. Coat hanger. 148,981, Mar. 16.
- Cleveland Automatic Machine Company, The, assignee: *See—*
Dulaney, William B.
- Cleveland Base Ball Corporation, assignee: *See—*
Morse, Charles F., Jr.
- Cline, Sylvia G., Chicago, Ill. Window cornice or similar article. 150,554, Aug. 17.
- Clist, Albert D., Purdy, N. Y. Scatter rug or similar article of manufacture. 148,521, Feb. 3.
- Club Aluminum Products Company, assignee: *See—*
Chapman, Dave.
- Cluett, Peabody & Co., Inc., assignee: *See—*
Dimling, Edwin C.
- Clyde Iron Works, Inc., assignee: *See—*
Berby, Ola L.
- Coates, Raymond C., Wesleyville, Pa. Airplane. 151,327, Oct. 12.
- Cobb, Jay T., Altus, Okla. Plier wrench. 149,934, June 15.
- Cobbs, Henry, Little River, Fla. Perfume diffuser. 148,766, Feb. 24.
- Cobbs, Henry, Little River, Fla. Perfume diffuser. 149,252, Apr. 13.
- Cobbs-Hopkins Company, assignee: *See—*
Hopkins, Horner H.
- Coble, Wayne H., Ann Arbor, Mich. Clothespin. 149,111, Mar. 30.
- Coburn, Frank H.: *See—*
Dickerman, Donald H., and Coburn.
- Coca-Cola Company, The, assignee: *See—*
Loewy, Raymond.
Naiden, Anthony.
- Cochran, Jacqueline, assignee: *See—*
Von Miklos, Josephine.
- Coen, Aaron, Newark, N. J. Spectacle frame. 149,999, June 22.
- Coen, Jesse L., Washington, D. C. Combined lamp and desk unit. 150,404, Aug. 3.
- Cofrin, Austin E., Green Bay, and S. N. Hope, Wauwatosa, assignors to Fort Howard Paper Company, Green Bay, Wis. Napkin dispenser. 148,285, Jan. 6.
- Cohen, Jerome, Arverne, N. Y. Coffee maker stand. 149,171, Apr. 6.
- Cohen, Louis L., Chicago, Ill. Candle holder. 150,000, June 22.
- Cohen, Oscar H., Brighton, assignor to Century Sportswear Co., Inc., Boston, Mass. Skirt ensemble or similar article of wearing apparel. 152,133, Dec. 21.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,205, July 13.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,206, July 13.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,207, July 13.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,208, July 13.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,209, July 13.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,934, Sept. 14.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 150,935, Sept. 14.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,430, Oct. 19.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,506, Oct. 26.
- Cohl, David: *See—*
Bergen, Drake, and Cohl.
- Cohn, Herbert, Baltimore, Md. Door knocker. 151,873, Nov. 30.

- Cohn, Irwin, Leominster, Mass. Rolly-poly doll. 149,935, June 15.
- Cohn, Julius, New York, N. Y. Adjustable brassière. 151,593, Nov. 2.
- Colby, Hazel M., Chicago, Ill. Girdle. 151,740, Nov. 16.
- Cole, Charles W., Los Angeles, Calif. Tie clasp. 151,874, Nov. 30.
- Cole, Josephine M., Detroit, Mich. Fish lure. 150,110, July 6.
- Cole of California, Inc., assignee: *See*—Laszlo, Margit F.
- Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 152,064, Dec. 14.
- Collura, Francesco: *See*—Polivka, John N., and Collura.
- Colm, Jack, New York, N. Y. Toy rattle or similar article. 151,599, Nov. 2.
- Colm, Jack, New York, N. Y. Toy rattle or similar article. 151,600, Nov. 2.
- Colonial Radio Corporation, assignee: *See*—Ferar, Monte.
- Coltman, Bertram W., Kenilworth, assignor to Republic Molding Corporation, Chicago, Ill. Knife holder. 148,836, Feb. 24.
- Coltman, Bertram W., Kenilworth, assignor to Republic Molding Corporation, Chicago, Ill. Knife holder. 148,837, Feb. 24.
- Columbia Protokosit Co., Inc., assignee: *See*—Lux, Eugene J.
- Columbia Protokosit Company, Inc., assignee: *See*—Lux, Eugene J.
- Uteley, Lewis S.
- Colwell, Laurence J., assignor to Charles of The Ritz, Inc., New York, N. Y. Bottle. 151,507, Oct. 26.
- Comeau, Ernest J., Plattsburg, N. Y. Ladle. 148,911, Mar. 9.
- Comet Battery Charger Company, Ltd., assignee: *See*—Blevins, Albert C.
- Coneglio, Louis J., Cleveland, Ohio. Lighting fixture. 150,405, Aug. 3.
- Conger, Clyde R., San Francisco, Calif. Doll swing. 148,522, Feb. 3.
- Conklin Pen Company Inc., The, assignee: *See*—Starr, Joseph.
- Conman, Maxwell H., New Kensington, Pa. Container closure or similar article. 149,617, May 13.
- Connors, Ray R., Jr.: *See*—Wisting, George H., and Connors.
- Connors, John S., Cleveland, Ohio. Tray. 151,323, Oct. 12.
- Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 149,253, Apr. 13.
- Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 149,254, Apr. 13.
- Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 149,255, Apr. 13.
- Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 151,741, Nov. 16.
- Consolidated Cosmetics, assignee: *See*—Civita, Victor.
- Consolidated Molded Products Corporation, assignee: *See*—Jones, William T.
- Consolidated Vultee Aircraft Corporation, assignee: *See*—Albright, Franklin C.
- Hall, Theodore P.
- Constantine, George, Brookline, Mass. Dress. 151,329, Oct. 12.
- Continental L-P Products Company, assignee: *See*—Pitzer, Starr L.
- Continental Optical Company, Inc., assignee: *See*—Lauber, John A.
- Converted Rice, Inc., assignee: *See*—Harwell, Gordon L.
- Cook, William H., Toledo, Ohio. Electric connector plug or similar article. 148,459, Jan. 27.
- Cookman, Helen C., assignor to M. E. Cookman, New York, N. Y. Work coat. 148,912, Mar. 9.
- Cookman, Helen C., assignor to M. E. Cookman, New York, N. Y. Lady's one-piece overall. 149,256, Apr. 13.
- Cookman, Mary E., assignee: *See*—Cookman, Helen C.
- Cooper, Benjamin, and S. S. Bickel, New York, N. Y. Dress. 149,048, Mar. 23.
- Cooper, Benjamin, New York, N. Y., A. F. Hohmann, Teaneck, N. J., and A. Bach, Stamford, Conn.; said Hohmann and said Bach assignors to said Cooper. Combination orange juicer and liquefying unit. 150,936, Sept. 14.
- Cooper, Benjamin, New York, N. Y., A. F. Hohmann, Teaneck, N. J., and A. Bach, Stamford, Conn.; said Hohmann and said Bach assignors to said Cooper. Lipped glass or similar article. 151,431, Oct. 19.
- Co-Operative Bicycle Manufacturing Company, The, assignee: *See*—Jaye, Frank C.
- Corey, James J., Elmhurst, N. Y. Water cooler or similar article. 149,257, Apr. 13.
- Coro, Inc., assignee: *See*—Katz, Adolph.
- Corwin, Boyd W., Orange, Calif. Wall vase. 148,408, Jan. 20.
- Cory Corporation, assignee: *See*—Blakeslee, Herbert G.
- Richards, Harper.
- Cosby, Eric L. H., London, England. Combined shaving bowl and styptic pencil holder. 149,797, June 1.
- Cotnareanu, Leon, New York, N. Y., assignor to Coty, Inc. Perfume bottle holder or similar article. 151,601, Nov. 2.
- Coty, Inc., assigns: *See*—Cotnareanu, Leon.
- Covey, Baird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Combined top, back guard panel, timer and utility compartment for a cooking range. 152,139, Dec. 21.
- Cozad, Robert F.: *See*—Wheeler, Richard, and Cozad.
- Crabtree, Glenn J., Farmington, Mo. Fishing lure. 151,875, Nov. 30.
- Craig, Mildred R., Erwin, W. Va. Crocheted doily or the like. 150,828, Sept. 7.
- Craig, William D., Webster Groves, Mo. Table top extension. 150,210, July 13.
- Crain, Lloyd S., Evanston, Ill. Magazine rack. 149,740, May 25.
- Crain, Lloyd S., Evanston, Ill. Magazine rack. 149,741, May 25.
- Crain, Lloyd S., Evanston, Ill. Costumer or the like. 151,220, Oct. 5.
- Cramer, Roy A., Kansas City, Mo. Chair. 148,286, Jan. 6.
- Crandall, Charles E., assignor to Keystone View Company, Meadville, Pa. Stereoscopic instrument. 150,211, July 13.
- Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Box camera. 150,239, July 13.
- Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Box camera. 151,965, Dec. 7.
- Cravero, Joseph A., East Farmingdale, Long Island, and A. S. Milligan, Farmingdale, N. Y.; said Milligan assignor to said Cravero. Wheelbarrow. 148,287, Jan. 6.
- Crawford, Marion B., Western Springs, and E. C. Mitchell, Oak Park, assignors to United Air Lines, Inc., Chicago, Ill. Cargo container. 152,140, Dec. 21.
- Crawford, Marion B., Western Springs, and E. C. Mitchell, Oak Park, assignors to United Air Lines, Inc., Chicago, Ill. Cargo container. 152,141, Dec. 21.
- Crawford, Richard W., Flint, Mich. Chair. 149,798, June 1.
- Cresale Incorporated, assignee: *See*—Kelley, Miles J.
- Crimmins, Inez C., Minneapolis, Minn. Serving tray or similar article. 150,058, June 29.
- Cristell, Anton, Newark, N. J. Toy automobile. 149,936, June 15.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Handle for a sanding pad. 148,913, Mar. 9.
- Cross, Robert C., Western Springs, assignor to Sears, Roebuck and Co., Chicago, Ill. Boiler section. 150,212, July 13.
- Crot, André, Topanga, assignor to Motion Picture Research Council, Inc., Hollywood, Calif. Camera boom. 151,966, Dec. 7.
- Crowder, Wiley K., Detroit, Mich. Flying model helicopter toy. 148,768, Feb. 24.
- Crowder, Wiley K., Detroit, Mich. Toy aircraft or similar article. 151,432, Oct. 19.
- Crowley, John C., Willoughby, Ohio. Combined tire gauge and key holder. 152,065, Dec. 14.
- Crowley, John C., Willoughby, Ohio. Combined tire gauge and key holder. 152,066, Dec. 14.
- Crum, Harvey E., Santa Monica, Calif. Safety knife. 150,111, July 6.
- Cruze, Charles M., assignor to The Birtcher Corporation, Los Angeles, Calif. Lamp casing. 148,982, Mar. 16.
- Cruze, Charles F., and R. H. Killoran, assignors to R. H. Clark, Los Angeles, Calif. Box. 151,433, Oct. 19.
- Crystal Manufacturing Co., Inc., assignee: *See*—Carpenter, Harry L.
- Crystal, Max: *See*—Braun, Samuel, and Crystal.
- Crystalite Company, assignee: *See*—Engel, Irving.
- Cunningham, Allan C.: *See*—Sparks, George A., and Cunningham.
- Cunningham, Jack B., North Hollywood, Calif. Chair. 150,339, July 27.
- Cunningham, Jack B., North Hollywood, Calif. Table. 150,340, July 27.
- Cunningham, Jack B., North Hollywood, Calif. Chair. 151,967, Dec. 7.
- Cunningham, Walter C., Horsham, England, assignor to The National Marking Machine Company, Cincinnati, Ohio. Racking table. 150,679, Aug. 24.
- Cunningham, Walter C., Horsham, England, assignor to The National Marking Machine Company, Cincinnati, Ohio. Marking table. 150,757, Aug. 31.
- Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Power winch. 152,067, Dec. 14.
- Curtis-Wright Corporation, assignee: *See*—Clark, William J.
- Steele, Frederick I.

- Cushman, Gordon S., assignor to Cushman's Sons, Inc., New York, N. Y. Showcase. 148,842, Mar. 2.
- Cushman, Walt W., Webb City, Mo. Faucet or similar article. 150,112, July 6.
- Cushman, Walt W., Webb City, Mo., and R. H. Hansen, East Greenbush, N. Y. Showerhead or similar article. 150,113, July 6.
- Cushman's Sons, Inc., assignee: *See*—Cushman, Gordon S.
- O. F. H. Novelty Furniture Co., Inc., assignee: *See*—Low, Stanley.
- Dabrowski, Alexandra A., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 149,258, Apr. 13.
- Daché, Lilly, New York, N. Y. Brassière. 151,742, Nov. 16.
- D'Addario, Thomas D., New York, N. Y., assignor to Ju-C-Orange of America, Lebanon, Pa. Bottle. 149,618, May 18.
- Daggett Chocolate Company, assignee: *See*—Daggett, Fred L.
- Daggett, Fred L., Newton, assignor to Daggett Chocolate Company, Cambridge, Mass. Confectionery display stand. 149,860, June 8.
- Dahlen, Herbert E., Portland, Oreg. Comb holder. 151,032, Sept. 21.
- Dahm, Hubert J., Los Angeles, Calif. Folding tray table. 149,619, May 13.
- Dailey, Donald E., Bryn Mawr, assignor to Proctor Electric Company, Philadelphia, Pa. Toaster. 149,937, June 15.
- D'Alberto, Benedetto, Brooklyn, N. Y. Hair clip. 148,461, Jan. 27.
- Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 149,541, May 11.
- Dallas Engineering Company, assignee: *See*—Mathews, Ollie Z.
- Dalton, Thomas L., Kansas City, Mo. Combined turn signal, extremity marker, and rearview mirror. 152,188, Dec. 28.
- Danbury Rubber Co., Inc., assignee: *See*—Bauer, Clarence E.
- Daniels, Elmer H., Pasadena, assignor to Na Mac Products Corp., Los Angeles, Calif. Grater. 149,259, Apr. 13.
- Danielson, Carl E., North Sacramento, Calif. Cabinet for shoe shining machines. 151,968, Dec. 7.
- Dann, Charles W., Malden, Mass., and G. F. Braun, Elizabeth, and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Dictating machine. 152,142, Dec. 21.
- Danz, Louella C., Detroit, Mich. Figurine. 149,260, Apr. 13.
- Daon, Rene, assignor to Yankee Metal Products Corp., Norwalk, Conn. Automobile rear view mirror and support therefor. 148,523, Feb. 3.
- Darby, Albert S., Big Spring, Tex. Shoe rack. 149,112, Mar. 30.
- D'Arcy, James M., assignee: *See*—Rose, Alexander.
- Darr, Harold W., assignor to Midwestern Metal Products Co., Minneapolis, Minn. Hydraulic bumper jack. 148,460, Jan. 27.
- Darr, Harold W., assignor to The Kalla Co., Minneapolis, Minn. Rotary toothbrush. 149,620, May 13.
- Daubenberger, Charles J., Pacific Palisades, assignor to Dauby Equipment Company, Santa Monica, Calif. Control unit. 148,914, Mar. 9.
- Dauby Equipment Company, assignee: *See*—Daubenberger, Charles J.
- Davis, Burton S., Kingston, N. Y. Stereoptican viewer. 149,861, June 8.
- Davis, Frances P., Atlanta, Ga. Baby bed. 151,969, Dec. 7.
- Davis, Graham G., Victoria, British Columbia, Canada. Shoe. 150,001, June 22.
- Davis, Herman S., New York, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Envelope or similar article. 150,494, Aug. 10.
- Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Flour sifter. 148,760, Feb. 24.
- Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Egg beater. 148,770, Feb. 24.
- Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Vegetable peeler. 148,771, Feb. 24.
- Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Condiment container. 149,049, Mar. 23.
- Davis, John E., Sherman Oaks, assignor to Na Mac Products Corp., Los Angeles, Calif. Knife sharpener. 149,342, Apr. 20.
- Davis, Joseph, Plastics Co., assignee: *See*—Davis, Morton.
- Davis, Malcolm C., Jersey City, N. J. Jewelry holder. 150,059, June 29.
- Davis, Morton, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Combined handle and teething ring or similar article. 150,114, July 6.
- Davis, Noble L.: *See*—Chapin, Bernard L., Davis, and Cabot.
- Davis, Robert D., Gary, Ind. Game board. 149,621, May 18.
- Davis, Wesley J., Los Angeles, Calif. Helicopter. 148,772, Feb. 24.
- Dawson, Francis A., assignor to Kingston Products Corporation, Kokomo, Ind. Radio receiving set. 148,288, Jan. 6.
- Dawson, Stephen V.: *See*—Doyle, Robert A., and Dawson.
- Dawson, William M., Dallas, Tex. Trailer. 150,680, Aug. 24.
- Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 150,060, June 29.
- Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 150,061, June 29.
- Daystrom Corporation, assignee: *See*—Kipp, Karl.
- Dazey, Jack P., St. Louis, Mo. Churn. 150,115, July 6.
- Dean, John M., assignor to The General Phonograph Manufacturing Company, Putnam, Conn. Stylus point support for phonographs. 148,524, Feb. 3.
- Dearborn Stove Company, assignee: *See*—Becker, Aloysius W.
- Deho, Homer C., Los Angeles, Calif. Child's chair. 148,462, Jan. 27.
- Decker, Otto, New York, N. Y. Revolving file. 148,915, Mar. 9.
- Deere Manufacturing Co., assignee: *See*—Dreyfuss, Henry.
- De Groodt & Associates, Inc., assignee: *See*—Melillo, Joseph.
- De Jur-Amsco Corporation, assignee: *See*—Moomaw, Lewis H.
- De Kadt, Jacques: *See*—De Kadt, Maurits and J.
- De Kadt, Maurits and J., assignors to Briam Industrial Corporation, New York, N. Y. Carpet sweeper casing. 148,773, Feb. 24.
- De Lescinskis, Leonid, New York, N. Y. Perfume bottle. 150,406, Aug. 3.
- De Mattio, Carl V., Rockford, Ill. Game board. 151,602, Nov. 2.
- De Mott, Armand, Fords, assignors to Amity Manufacturing Corp., Perth Amboy, N. J. Holder for a cylindrical fire extinguisher or similar article. 149,261, Apr. 13.
- Demmler, Eugene, Providence, R. I., assignor to Carl-Art, Inc. Bracelet. 151,603, Nov. 2.
- Denney, Alfred, Los Angeles, Calif. Coupler for towing vehicles. 151,604, Nov. 2.
- Dente, James V., Staten Island, N. Y. Sewing rack. 151,508, Oct. 26.
- Dentist's Supply Company of New York, The, assignee: *See*—Warren, William O.
- Denys, Lucian, assignor to Hautau Tuynman Company, Detroit, Mich. Fishing reel. 150,213, July 13.
- Derby, George T.: *See*—Raine, Russell W., and Derby.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Pack for fragile articles. 150,758, Aug. 31.
- De Sanders, Neil J., Dallas, Tex. Automobile hood louver. 151,330, Oct. 12.
- Design Fabricators, Inc., assignee: *See*—Jackson, George M.
- Desouches, Gerard B., Paris, France, assignor to Cartier, Inc., New York, N. Y. Combined wrist watch and strap therefor. 152,189, Dec. 28.
- Detrex Corporation, assignee: *See*—Dinley, Clarence F.
- Devlin, Leo J.: *See*—Heinemann, Edward H., and Devlin.
- De Vries, Roger, Plainfield, N. J. Doll. 149,172, Apr. 6.
- De Weese, Mary A., Glendale, Calif. Bathing suit. 149,343, Apr. 20.
- De Weese, Mary A., Glendale, Calif. Bathing suit. 151,331, Oct. 12.
- De Weese, Mary A., Glendale, Calif. Bathing suit. 151,332, Oct. 12.
- D'Hennery, Marguerite C., Paris, France. Box. 149,742, May 25.
- D'Hennery, Marguerite C., Paris, France. Bottle. 149,938, June 15.
- D'Hennery, Marguerite C., Paris, France. Bottle. 150,062, June 29.
- D'Hennery, Marguerite C., Paris, France. Box. 150,063, June 29.
- Di Addario, Thomas D., Buffalo, N. Y. Clock. 150,555, Aug. 17.
- Di Addario, Thomas D., Buffalo, N. Y. Clock. 150,556, Aug. 17.
- Dickerman, Donald H., Newport Beach, Calif., and F. H. Coburn, Sea Cliff, N. Y. Table top. 148,916, Mar. 9.
- Dickinson, Wilbur K., Lynn, Mass., assignor to General Electric Company, Transformer. 130,214, July 13.
- Diedrich, Carl R., Chicago, Ill. Projector. 152,190, Dec. 28.
- Dierking, Leslie H., Detroit, Mich. Toy hand car. 150,064, June 29.
- Di Lemme, Philip, New York, N. Y. Overhead whirling toy. 149,542, May 11.
- Dille, John F., Evanston, Ill. Pistol. 149,113, Mar. 30.
- Dillon-Beck Manufacturing Company, assignee: *See*—Selby, William E., Jr.
- Dilts, George, Davenport, Iowa. Roadside lunchroom. 152,191, Dec. 28.

- Dimling, Edwin C., Flushing, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Store display fixture. 148,678, Feb. 17.
- Dingeldein, Karl A., Chicago, Ill., assignor to St. Louis Metalcrafts, Inc., St. Louis, Mo. Child's metal drinking cup. 149,799, June 1.
- Dinges, Wilton C., assignor to Emeco Corporation, Baltimore, Md. Chair. 150,759, Aug. 31.
- Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Solvent recovery machine. 150,557, Aug. 17.
- Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Dry cleaning machine. 150,558, Aug. 17.
- Dion, William A., North Attleboro, Mass., assignor to Evans Case Co. Receptacle for cosmetics and other articles. 149,114, Mar. 30.
- Discher, Edward W., Milwaukee, Wis. Bench. 148,289, Jan. 6.
- Dispensers, Inc., assignee: *See—*
Lloyd, Charles W.
- Ditto, Arthur, assignor to Marine Optical Mfg. Co., Boston, Mass. Spectacle frame. 151,221, Oct. 5.
- Ditto, Arthur, assignor to Marine Optical Mfg. Co., Boston, Mass. Spectacle frame. 151,222, Oct. 5.
- Dix, Samuel A., assignor to Bartmann & Bixer, Inc., New York, N. Y. Textile fabric or similar article. 151,223, Oct. 5.
- Dix, Samuel A., assignor to Bartmann & Bixer, Inc., New York, N. Y. Textile fabric or similar article. 151,224, Oct. 5.
- Dix, Samuel A., assignor to Bartmann & Bixer, Inc., New York, N. Y. Textile fabric or similar article. 151,225, Oct. 5.
- Dix, Samuel A., assignor to Bartmann & Bixer, Inc., New York, N. Y. Textile fabric or similar article. 151,226, Oct. 5.
- Dix, Samuel A., assignor to Bartmann & Bixer, Inc., New York, N. Y. Textile fabric or similar article. 151,227, Oct. 5.
- Dixon, Orien T., Miami, Okla. Flower holder. 148,290, Jan. 6.
- Dixon, Willis O.: *See—*
Bashaw, Willard M., and Dixon.
- Doane, Leroy C., Essex, assignor to The Sight Light Corporation, Deep River, Conn. Floor lamp. 151,228, Oct. 5.
- Dobiash, Betty A., by decree of marriage: *See—*
Bryce, Betty A.
- Doblin, Jay B., Laurelton, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Kansas City, Mo. Loud speaker casing. 149,800, June 1.
- Doblin, Jay B., Laurelton, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Kansas City, Mo. Loud speaker casing. 149,801, June 1.
- Dobson, Clifford B., Berkeley, Calif. Hobby horse. 151,333, Oct. 12.
- Dock, Ronald O., Minneapolis, Minn. Game board. 150,065, June 29.
- Dodds, John G., North Hollywood, A. D. MacKillop, Glendale, and C. C. Sansom, Studio City, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flight engineer's trainer or similar device. 149,405, Apr. 27.
- Doggett, David L.: *See—*
Schier, Wallace, and Doggett.
- Dolan, Tom, Berwyn, assignor to Standard Business Machines Company, Chicago, Ill. Desk lamp. 151,605, Nov. 2.
- Dominick, Margaret, New Brunswick, N. J. Illuminable statue base. 148,679, Feb. 17.
- Donahue, A. J., Corporation, The, assignee: *See—*
Grannito, James.
- Donahue, Ann, New York, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,407, Aug. 3.
- Donchi, Samuel R., South Orange, N. J. Multigem setting or similar article. 152,068, Dec. 14.
- Donohue, Kathryn P., Brentwood, Pa. Christmas stocking. 149,050, Mar. 23.
- Doolin, Royal, Newark, N. J. Illuminable horological instrument or similar article. 149,262, Apr. 13.
- Doucette, Joseph W., Waltham, Mass. Tube and toothbrush holder. 150,829, Sept. 7.
- Dougherty, James D., Minneapolis, Minn. Fruit slicing utensil. 149,622, May 18.
- Douglas Aircraft Company, Inc., assignee: *See—*
Clausner, Milton U., and Hatch.
Glasgow, Charles S., and Wood.
Heinemann, Edward H., and Devlin.
- Douglas, Conrad, Houston, Tex. Motor vehicle. 148,680, Feb. 17.
- Douglas, Eugene, Brooklyn, N. Y. Pen or like article. 148,917, Mar. 9.
- Douglas, Gordon, Los Angeles, Calif. Combination coffee table and bar. 149,862, June 8.
- Douglas, Gordon, Los Angeles, Calif. Combination coffee table and bar. 152,143, Dec. 21.
- Doux, Alfredo W., assignor to Snap-Lite Corporation, New York, N. Y. Lighter. 148,843, Mar. 2.
- Doux, Alfredo W., assignor to Snap-Lite Corporation, New York, N. Y. Lighter. 148,844, Mar. 2.
- Dow, Walter K., Longmeadow, Mass. Internal length comparator gauge. 151,743, Nov. 16.
- Doyle, Robert A., Chicago, and S. V. Dawson, Evanston, assignors to Orange-Crush Company, Chicago, Ill. Beverage dispenser. 148,409, Jan. 20.
- Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Ash tray or article of similar nature. 148,918, Mar. 9.
- Drell, William, New York, N. Y. Button or similar article. 151,606, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,607, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,608, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,609, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,610, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,611, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,612, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 151,613, Nov. 2.
- Drell, William, New York, N. Y. Button or similar article. 152,192, Dec. 28.
- Drewniak, Matthew L., Buffalo, N. Y. Glider swing. 152,144, Dec. 21.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle or similar article. 148,681, Feb. 17.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. End cover for a suction cleaner casing or similar article. 149,475, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. End cover for a suction cleaner casing or similar article. 149,476, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner casing. 149,477, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Combined brush and nozzle. 149,478, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner casing. 149,479, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. End cover for a suction cleaner casing or similar article. 149,480, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. End cover for a suction cleaner casing or similar article. 149,481, May 4.
- Dreyfuss, Henry, New York, N. Y., assignor to Deere Manufacturing Co. Radiator grille and enclosure structure. 150,760, Aug. 31.
- Dreyfuss, Henry, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hand telephone. 151,614, Nov. 2.
- Dreyfuss, Henry, Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 151,809, Nov. 23.
- Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Photographic enlarger. 150,681, Aug. 24.
- Drugs Limited, assignee: *See—*
Gimelli, Samuel.
- Dubin, Rubin M., Los Angeles, Calif. Combination confectioners' and bakers' mixer and cooker. 148,525, Feb. 3.
- Du Bois Plastic Products, Inc., assignee: *See—*
Bright, Roy L.
- Duckwall, Alva L., Jr., Abilene, Kans. Ash tray. 151,334, Oct. 12.
- Duda, Clifford A., Detroit, Mich. Scriber. 152,193, Dec. 28.
- Duepner, Charles A., assignor to Branham, Mareck & Duepner, Inc., Minneapolis, Minn. Lighting fixture. 150,830, Sept. 7.
- Duepner, Charles A., assignor to Branham, Mareck & Duepner, Inc., Minneapolis, Minn. Lighting fixture. 150,831, Sept. 7.
- Duester, Hans J., assignor to J. Major and H. J. Duester, Chicago, Ill. Extensible band for watch bracelet or analogous article. 150,682, Aug. 24.
- Dulaney, William B., Cincinnati, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio. Milling machine. 149,173, Apr. 6.
- Dunberg, David W., New York, N. Y. Cigarette dispenser. 150,495, Aug. 10.
- Duncan, Callie, The Dalles, Oreg. Food tongs. 148,919, Mar. 9.
- Dunlop Tire and Rubber Corporation, assignee: *See—*
Hardeman, William E., and Parker.
Lambourn, Leonard J., and Jones.
- Duo Coach Company, assignee: *See—*
Stopa, Walter T.
- Duranol Products, Inc., assignee: *See—*
Newman, Monroe H.
- During, William J., Fayetteville, and J. J. Punke, Dewitt, assignors to C. C. Bradley & Son, Inc., Syracuse, N. Y. Drink vending machine. 152,145, Dec. 21.
- Duvallet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 151,335, Oct. 12.

- Duvallet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 151,684, Nov. 9.
- Dynes, Marvin W.: *See—*
Furedy, Frank, and Dynes.
- Dzlewit, Walter, Detroit, Mich. Cocktail table. 150,408, Aug. 3.
- E. A. Laboratories, Inc., assignee: *See—*
Hutcheson, Ray R.
- Eachus, Iredell, Wayne, Pa., and N. Macbeth, Jr., New York, N. Y. Photographic color-transparency analysis machine. 151,615, Nov. 2.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 150,683, Aug. 24.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Tilt-back chair. 150,684, Aug. 24.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 150,685, Aug. 24.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Table. 151,119, Sept. 28.
- Eames, Kenneth R., Worcester, Mass. Toy figure. 151,434, Oct. 19.
- Eastern Jewelry Finding Works, Inc., assignee: *See—*
Hoeckele, Karl F.
- Eastern Metal Products Co., assignee: *See—*
Troy, Arnold.
- Eastman Kodak Company, assignee: *See—*
Clement, Theodore G.
Crapsey, Arthur H., Jr.
Hutchison, Miller R., Jr.
Knowles, Frederick G.
Main, Charles E.
Van Dyck, Kenneth A.
- Eaton Manufacturing Company, assignee: *See—*
Price, Gordon.
- Eaton, Wilfred A., assignor to Sanford Products, Inc., Woodbury, Conn. Boxlike container. 149,174, Apr. 6.
- Eberle, Philip F., and L. E. Sans, San Francisco, Calif. Bootie. 151,685, Nov. 9.
- Eckles, Howard W., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Casing for a fan or the like. 150,559, Aug. 17.
- Eckman, Meril L., Canton, Ohio. Combined table and bookholder. 151,336, Oct. 12.
- Eddy, Donald F., South Gate, Calif. Swimming flipper. 151,229, Oct. 5.
- Eddy, William R., et al.: *See—*
St. Clair, Theodore A., and Eddy.
- Edison, Thomas A., Incorporated, assignee: *See—*
Dann, Charles W., Braun, and Somers.
- Ed-U-Cards, Inc., assignee: *See—*
Kaufer, Shirley.
- Edwards, Harley W., Groton, Vt. Insulator applying and removing hammer. 151,876, Nov. 30.
- Edwards, Herbert E., Wellesley Hills, assignor to T. J. Edwards, Inc., Boston, Mass. Transfer ribbon unit for marking machines. 149,051, Mar. 23.
- Edwards, T. J., Inc., assignee: *See—*
Edwards, Herbert E.
- Eggleston, Allen J., Hamden, Conn., assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 151,744, Nov. 16.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 151,745, Nov. 16.
- Ehrhardt, Fred H., Orlando, Fla. Flower pot or similar article. 150,066, June 29.
- Eisenberg, Ben, Larchmont, and O. B. Schwarz, New York, N. Y., assignors to Lektra Laboratories, Inc. Film splicer or the like. 150,002, June 22.
- Eisenberg, Henry, New York, N. Y. Scraper or similar article. 148,920, Mar. 9.
- Ekco Products Company, assignee: *See—*
Beck, William A.
Eggleston, Allen J.
Glass, Henry P.
Hatcher, Betty D.
Hvale, James L.
Hvale, James L., and Murray.
Lueneburg, Walter C.
Roblin, George H.
Zimmer, Myron J.
- Eldon, Kemp, assignee, et al.: *See—*
Pitzer, Starr L.
- Eldridge, Joseph G., Spring Valley, assignor to Sears, Roebuck and Co., Chicago, Ill. Thermostat cover. 152,146, Dec. 21.
- Electric-Aire Engineering Corporation, assignee: *See—*
Hewitt, Elmer S.
- Electronic Units Inc., assignee: *See—*
Vaars, Eugene P.
- Elgort, Samuel S., assignee, et al.: *See—*
Wolf, Leo.
- Elk-Manster, Inc., assignee: *See—*
Herbster, George B.
- Elkins, Ben, Brooklyn, N. Y. Holding pin. 150,116, July 6.
- Elkonin, Aaron, Brooklyn, N. Y. Pin or similar article. 151,616, Nov. 2.
- Ellberg, Ernest, assignor to B. F. Mead, Warren, Pa. Semi-trailer. 151,970, Dec. 7.
- Ellen Lace & Embroidery Co., assignee: *See—*
Riedel, Arno E.
- Eller, Harry E., Chicago, Ill. Portable collapsible motion picture projection screen stand. 151,337, Oct. 12.
- Elleson, G. M., Company, assignee: *See—*
Elleson, George M.
- Elleson, George M., Bridal Veil, Oreg., assignor to G. M. Elleson Company, Chicago, Ill. Watch band clip. 152,147, Dec. 21.
- Ellmore Silver Co., Inc., The, assignee: *See—*
Lipman, Isadore A.
Malinowski, Harry A.
McKiernan, Thomas B.
- Elmes, Army O., assignor of one-half to C. H. Taylor, Duluth, Minn. Wrench. 149,052, Mar. 23.
- Elsinger, Louis S., Tampa, Fla. Fishing reel. 151,120, Sept. 28.
- Ely, John M.: *See—*
Ely, Laurence D., Jr., and J. M.
- Ely, Laurence D., Jr., and J. M., Daytona Beach, Fla. Sail propelled wheeled vehicle. 149,543, May 11.
- Emanuel, Robert, Brooklyn, assignor to William Jay Emanuel Co., New York, N. Y. Glockenspiel. 148,291, Jan. 6.
- Emanuel, William Jay, Co., assignee: *See—*
Emanuel, Robert.
Jay, Benjamin F.
- Emeco Corporation, assignee: *See—*
Dinges, Wilton C.
- Emerson Electric Manufacturing Company, The, assignee: *See—*
Eckles, Howard W.
Veltman, John C., and Michelsen.
- Emerson, Frank P., Los Angeles, Calif. Popcorn dispensing machine. 151,033, Sept. 21.
- Emslie, Olive: *See—*
Schladermundt, Peter, and Emslie.
- Engel, Irving, assignor to Crystalite Company, East Orange, N. J. Combined radio, clock, and lamp. 149,406, Apr. 27.
- Enger-Kress Company, assignee: *See—*
Bauman, Howard A.
- Engineering and Research Corporation, assignee: *See—*
Lane, Frank B.
- Ensign, Robert H.: *See—*
Teague, Walter D., Ensign, Beal, and Fairbank.
- Enterprise Aluminum Company, The, assignee: *See—*
Krause, Richard F.
- Enterprise Manufacturing Co., The, assignee: *See—*
Hess, Frederick P., and Wormeck.
- Epstein, Herman, Kansas City, Mo. Plant support. 149,053, Mar. 23.
- Epstein, Ralph, New York, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Display stand or similar article. 151,435, Oct. 19.
- Epstein, Sol, New York, N. Y. Handbag. 149,802, June 1.
- Erie City Manufacturing Company, assignee: *See—*
Leslie, John G., and Robinson.
- Erickson, C. E., Company, Inc., assignee: *See—*
Erickson, Ernest R.
- Erickson, Clifford E., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone desk unit. 151,121, Sept. 28.
- Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Divider for a milk bottle case or the like. 150,496, Aug. 10.
- Erwin, Darrett S., Sarasota, Fla. Lamp standard or similar article. 151,877, Nov. 30.
- Essick, Bryant, Los Angeles, Calif. Road roller. 148,292, Jan. 6.
- Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Stove. 150,341, July 27.
- Esterbrook Pen Company, assignee: *See—*
May, Robert A., and Steinberg.
- Ethington, Eberly R., Santa Monica, Calif. Walking stick. 151,746, Nov. 16.
- Etkin, Simon, New York, N. Y. Jacket. 148,682, Feb. 17.
- Etkin, Simon, New York, N. Y. Jacket. 148,683, Feb. 17.
- Etkin, Simon, New York, N. Y. Jacket. 150,560, Aug. 17.
- Eto Ring Co.: *See—*
Shapiro, Joseph.
- Eugene Manufacturing Corp., assignee: *See—*
Gilbert, Felix.
- Evans Case Co., assignee: *See—*
Dion, William A.
- Evans, James S., San Marino, Calif. Roundabout. 149,407, Apr. 27.
- Evans Products Company, assignee: *See—*
Eames, Charles.
- Evans, Rhys O., St. Paul, Minn. Cribbage board. 149,863, June 8.
- Everett, Harvey L., Mount Vernon, N. Y. Phonograph or the like. 148,921, Mar. 9.
- Everlast Metal Products Corp., assignee: *See—*
Schnitzer, Louis M.
- Evins, Inc., assignee: *See—*
Levin, David E.
- Ewing, Ralph, New York, N. Y. Handbag or similar article. 151,436, Oct. 19.
- Ewing, Ralph, New York, N. Y. Handbag or similar article. 151,437, Oct. 19.
- Ewing, Ralph, New York, N. Y. Handbag or similar article. 151,438, Oct. 19.
- Ewing, Ralph, New York, N. Y. Handbag or similar article. 151,439, Oct. 19.

- Excel Movie Products, Inc., assignee: *See*—
Ubaldi, Mario C.
- Exhibit Supply Company, assignee: *See*—
Meyer, Clare G.
- Extensole Corporation, assignee: *See*—
Thornquist, Russell A.
- F. & N. Lawn Mower Company, The, assignee: *See*—
Kluter, Marlowe H.
- FR Corporation, The, assignee: *See*—
Nevell, Thomas G. W.
Nevell, Thomas G. W., and Samet.
- Faber, Henry: *See*—
Brown, Chester A., and Faber.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Expandable link chain for a bracelet or similar article. 151,034, Sept. 21.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Expandable link chain for a bracelet or similar article. 151,230, Oct. 5.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Expandable link chain for a bracelet or similar article. 151,509, Oct. 26.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Expandable link chain for a bracelet or similar article. 151,510, Oct. 26.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Bracelet or similar article. 151,747, Nov. 16.
- Faeder, Jack P., Beverly Hills, Calif. Combined cup and saucer display stand. 150,686, Aug. 24.
- Fairbank, Murry N.: *See*—
Teague, Walter D., Ensign, Beal, and Fairbank.
- Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,748, Nov. 16.
- Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,749, Nov. 16.
- Fairbanks, Morse & Co., assignee: *See*—
Grutzner, Fritz P.
Loewy, Raymond.
- Fairchild Engine & Airplane Corporation, assignee: *See*—
Thieblot, Armand J.
- Falk, Rolf J., assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 149,623, May 18.
- Falk, Rolf J., assignor to Shawnee Pottery Company, Zanesville, Ohio. Lamp bracket. 149,624, May 18.
- Falk, Rolf J., assignor to Shawnee Pottery Company, Zanesville, Ohio. Darner. 149,625, May 18.
- Falk, Rolf J., assignor to Shawnee Pottery Company, Zanesville, Ohio. Cookie jar. 151,810, Nov. 23.
- Falling, Bert C., Baker, Calif. Combined spoon and bottle opener. 149,939, June 15.
- Famous Bathrobe Co., Inc., assignee: *See*—
Strauss, Kate R.
- Fanelli, Walter, South Euclid, Ohio, and C. A. Laystrom, Chicago, assignors to Faries Manufacturing Company, Decatur, Ill. Shelf for bathroom cabinet or similar article. 149,175, Apr. 6.
- Faries Manufacturing Company, assignee: *See*—
Fanelli, Walter, and Laystrom.
Masterson, William F.
- Farnam, Helen R., and B. S. Wheeler, Minneapolis, Minn. Child's doll. 151,338, Oct. 12.
- Fassin, Gustave, Los Gatos, assignor to Adel Precision Products Corp., Burbank, Calif. Camera. 148,983, Mar. 16.
- Fauteux, Henri A., Jr., Ottawa, Ontario, Canada. Clothespin. 148,526, Feb. 3.
- Fay, Benton L., St. Joseph, Mich. Desk. 148,774, Feb. 24.
- Fay, Benton L., St. Joseph, Mich. Desk. 148,775, Feb. 24.
- Fay, Benton L., St. Joseph, Mich. Multiple desk unit. 148,776, Feb. 24.
- Fearn, George E., assignor to Kaufman-Ruderman Co. Inc., New York, N. Y. Barrage or similar article. 148,410, Jan. 20.
- Federal Manufacturing & Engineering Corp., assignee: *See*—
Kaplowitz, Morris.
- Federal Telephone and Radio Corporation, assignee: *See*—
Bel Geddes, Norman.
Knipf, Louis, Jr.
Schier, Wallace, and Doggett.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,117, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,118, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,119, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,120, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,121, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,122, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,123, July 6.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,215, July 13.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,216, July 13.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 150,217, July 13.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Microphone or the like. 150,687, Aug. 24.
- Feeny, George A.: *See*—
Gudell, Rudolph T., and Feeny.
- Fehrenbach, Henry, assignor of one-half to C. W. Burkett, Maricopa, Ariz. Pendant. 150,003, June 22.
- Feigl, Charles, New York, N. Y. Handbag. 151,750, Nov. 16.
- Feigl, Charles, New York, N. Y. Handbag. 151,751, Nov. 16.
- Feigl, Charles, New York, N. Y. Handbag. 151,752, Nov. 16.
- Feist, Herbert B., Ripley, Tenn. Display stand. 149,864, June 8.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Handle for oven doors and the like. 150,342, July 27.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Handle for oven doors and the like. 150,343, July 27.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Condiment and clock unit for cooking stoves. 150,344, July 27.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Oven control knob for gas stoves. 150,345, July 27.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Burner knob for gas stoves. 150,346, July 27.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Gas stove. 150,561, Aug. 17.
- Felver, Richard I., Pittsburgh, Pa., assignor to Standard Gas Equipment Corporation, Baltimore, Md. Splash panel accessory unit for cooking stoves. 151,339, Oct. 12.
- Fenenbock, Estelle M., North Hollywood, Calif. Clock. 150,832, Sept. 7.
- Fenety, John G., New York, N. Y. Table fork. 148,984, Mar. 16.
- Ferar, Monte, Detroit, Mich., assignor to Colonial Radio Corporation, Buffalo, N. Y. Pick up arm for electrical phonographs. 150,347, July 27.
- Ferar, Montgomery: *See*—
Ferar, Montgomery.
Reeves, Herbert M., and Ferar.
Sunberg, Carl W., and Ferar.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Gas cookstove. 150,348, July 27.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Gas cookstove. 150,349, July 27.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Combined lamp bracket and timer for cookstoves. 150,350, July 27.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Space heater. 150,562, Aug. 17.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Gas cookstove. 150,688, Aug. 24.
- Ferar, Montgomery, Detroit, Mich., assignor to Florence Stove Company, Gardner, Mass. Handle for cookstove oven doors. 150,937, Sept. 14.
- Feraud, Roger, Neuilly-sur-Seine, France. Chair or the like. 151,617, Nov. 2.
- Ferber, Fred, Englewood, N. J., assignor to Rolla Ball Pen Corp., New York, N. Y. Fountain pen clip or similar article. 149,263, Apr. 13.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 148,527, Feb. 3.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 148,528, Feb. 3.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 148,529, Feb. 3.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Traffic signal. 148,669, Feb. 10.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Combined syringe bag and tube support. 151,636, Nov. 9.
- Ferris Factories, Inc., assignee: *See*—
Ferris, William P.

- Ferris, William P., assignor to Ferris Factories, Inc., York, Pa. Combination spatula, spoon, and scraper. 148,777, Feb. 24.
- Fettinger, John G., Utica, assignor to Robert Gair Company, Inc., New York, N. Y. Display carton. 152,069, Dec. 14.
- Fhagen, Theodore, Long Island City, N. Y. Helicopter toy. 149,803, June 1.
- Fidelitone Incorporated, assignee: *See—*
Andres, Lloyd J.
- Field, Richard P., Cincinnati, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio. Cabinet for lubricating equipment. 152,148, Dec. 21.
- Fielding, Faith H., La Jolla, Calif. Cushion seat for toilet cover. 149,626, May 18.
- Finch Telecommunications, Inc., assignee: *See—*
Teague, Walter D.
- Fine, Alex, assignor to Stuart Inc., St. Paul, Minn. Doll. 152,149, Dec. 21.
- Fine, Lewis, assignor to Stuart Inc., St. Paul, Minn. Display case for bottles or the like. 151,971, Dec. 7.
- Fine, Semual: *See—*
Beitch, Sol J., and Fine.
- Finkelstein, Nathan, New York, N. Y. Jacket. 148,845, Mar. 2.
- Finkelstein, Nathan, New York, N. Y. Jacket. 148,846, Mar. 2.
- Finkelstein, Nathan, New York, N. Y. Jacket. 151,440, Oct. 19.
- Finkelstein, Nathan, New York, N. Y. Jacket. 151,441, Oct. 19.
- Firan Co., The, assignee: *See—*
Fitch, Raymond L.
- First Industrial Corporation, assignee: *See—*
Celandier, Phillip A.
- Firth, Harry, Toronto, Ontario, Canada. Combined tail light and end piece for motorcycle fenders. 151,122, Sept. 28.
- Fischer, Howard L., St. Paul, Minn. Knife. 150,689, Aug. 24.
- Fischett, Charles, South Ozone Park, N. Y. Hourglass frame or similar article. 150,124, July 6.
- Fisher, Harvey M., and M. A. Barnett, St. Louis, Mo. Game board. 148,847, Mar. 2.
- Fishter, Jacob F., Santa Monica, assignor to Panogear Industries, Los Angeles, Calif. Camera tripod head or similar article. 148,778, Feb. 24.
- Fisk, Earl R., Depew, Okla. Combined lamp and smoking stand. 151,687, Nov. 9.
- Fitch, Raymond L., West Los Angeles, assignor to The Firan Co., Santa Monica, Calif. Electric heater. 149,264, Apr. 13.
- Fitter, Emil H., Woodside, assignor to Fitter Valve Division of the Tumpame Company, Long Island City, N. Y. Water faucet. 149,344, Apr. 20.
- Fitter Valve Division of the Tumpame Company, assignee: *See—*
Fitter, Emil H.
- Fitz Gerald, Harold G., Los Angeles, Calif. Projector for handling transparent plates. 151,878, Nov. 30.
- Fitzgerald, James R., and Z. S. Levine, Duluth, Minn. Illuminable sign. 151,442, Oct. 19.
- Flagg, Lucian M., Mount Penn, near Reading, Pa. Sun glasses. 150,833, Sept. 7.
- Flaker, Jacob E., Barberton, Ohio. Rubber doily or similar article. 148,609, Feb. 10.
- Flauder, Alfred J., Trumbull, assignor to Weidlich Bros. Manufacturing Company, Bridgeport, Conn. Condiment holder. 148,530, Feb. 3.
- Flauder, Alfred J., Trumbull, assignor to Weidlich Bros. Manufacturing Company, Bridgeport, Conn. Cigarette lighter. 151,340, Oct. 12.
- Flato, Paul, assignor, by mesne assignments, to D. Lisner & Co., Inc., New York, N. Y. Pin or similar article. 150,351, July 27.
- Flato, Paul, assignor, by mesne assignments, to D. Lisner & Co., Inc., New York, N. Y. Pendant or similar article. 150,352, July 27.
- Flaxman, George, Brooklyn, N. Y. Lipstick case. 150,004, June 22.
- Fleischer, William A., Grand Island, Nebr. Machine seat. 148,922, Mar. 9.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Tilting type concrete mixer. 149,176, Apr. 6.
- Fleishman, Myron, Bronx, N. Y. Toy helicopter. 149,865, June 8.
- Fleming, Clyde H., Fort Worth, Tex. Combination garden tool. 150,067, June 29.
- Fleming, Jacob W. P., Memphis, Tenn. Frozen food storage and display cabinet. 151,035, Sept. 21.
- Fleming, Jacob W. P., Memphis, Tenn. Frozen food storage and display cabinet. 151,036, Sept. 21.
- Fleming, Mary P.: *See—*
Allen, Grosvenor N., and Fleming.
- Fletcher Aircraft: *See—*
Fletcher, Frank P.
- Fletcher Aviation Corp., assignee: *See—*
Fletcher, Frank P.
- Fletcher, Frank P., Pasadena, assignor to W. S., F. P., and M. C. Fletcher, co-partners doing business as Fletcher Aircraft, Burbank, Calif. Bicycle frame. 148,531, Feb. 3.
- Fletcher, Frank P., Pasadena, assignor to W. S., F. P., and M. C. Fletcher, co-partners doing business as Fletcher Aircraft, Burbank, Calif. Household utility cart. 148,684, Feb. 17.
- Fletcher, Frank P., assignor to Fletcher Aviation Corp., Pasadena, Calif. Desk with external shelves. 149,804, June 1.
- Fletcher, Maurice C., assignee: *See—*
Fletcher, Frank P.
- Fletcher, Wendell S., assignee: *See—*
Fletcher, Frank P.
- Flock, Arthur E.: *See—*
Pulver, Wilfrid A., and Flock.
- Florence Stove Company, assignee: *See—*
Ferar, Montgomery.
Kruck, Ralph E.
Reeves, Herbert M., and Ferar.
- Florian, Gordon W., Long Hill, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Range receptacle. 148,349, Jan. 13.
- Florian, Gordon W., assignor to Casco Products Corporation, Bridgeport, Conn. Wall clock. 148,923, Mar. 9.
- Florian, Gordon W., Bridgeport, Conn., assignor to Airway Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 150,690, Aug. 24.
- Flour City Ornamental Iron Company, assignee: *See—*
Swenson, Erich S.
- Foier, Joseph, Brooklyn, N. Y. Container for poker chips. 148,685, Feb. 17.
- Foier, Joseph, Brooklyn, N. Y. Combined poker chip holder and card-case. 148,686, Feb. 17.
- Fol-Dee Seat Company, assignee: *See—*
Neufeld, Leonard C.
- Fordyce, Charles L., assignor to United Thermo-Stable Corporation, New York, N. Y. Electrical switch. 150,005, June 22.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,834, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,835, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,836, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,837, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,838, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,839, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,840, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,841, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,842, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,843, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,844, Sept. 7.
- Forrer, Walter O., Milwaukee, assignor of one-half to Tip Top Cookies Inc., Ripon, and one-half to Kiddie Kookies Co., Fairwater, Wis. Cooky. 150,845, Sept. 7.
- Forsell, Carl F., Rockford, Ill. Putting aid device for a golf club. 150,497, Aug. 10.
- Forstner Chain Corporation, assignee: *See—*
Mealy, Charles A.
- Fort Howard Paper Company, assignee: *See—*
Cofrin, Austin E., and Hope.
- Forthman, William, Buchanan, Mich. Ash tray. 152,194, Dec. 28.
- Fosgood Corporation, assignee: *See—*
Richards, Harry C.
Ulvad, Bernard.
- Fossum, Erling G., and S. J. Zielinski, assignors to Stewart-Warner Corporation, Chicago, Ill. Wall desk. 149,627, May 18.
- Foster, Charles H., New York, N. Y. Airplane control toy. 151,688, Nov. 9.
- Foster & Davies, Inc., assignee: *See—*
Giammatteo, Aurelia.
- Fouch, James L., assignee: *See—*
Karlstad, Andrew C.
- Foulke, Louise M. J., Brooklyn, N. Y. Toy wheeled barge. 151,879, Nov. 30.
- Fountain Server Co., Inc., assignee: *See—*
Weinberg, David H.
- Fournier, George E., Pawtucket, R. I. Bracelet or similar article. 149,345, Apr. 20.
- Fournier, William J., Toledo, Ohio, assignor to Birdie-Brush Manufacturing Company. Combination shoe brush and dirt picker. 150,218, July 13.
- Fowler, Charles A., Los Angeles, Calif. Heater. 149,115, Mar. 30.

- Fowler, Herman J., Chicago, Ill. Folding rack or similar article. 149,628, May 18.
- Fox, Gerald B.: *See*—
Meeker, David A., Fox, and Sullenberger.
- Fox West Coast Theatres Corporation, assignee: *See*—
Moeller, Carl G.
Walker, Albert R.
- Fraim, E. T., Lock Company, assignee: *See*—
Fraim, Edward T., II.
- Fraim, Edward T., II, assignor to E. T. Fraim Lock Company, Lancaster, Pa. Door knocker. 151,443, Oct. 19.
- Frank, Joseph, Forest Hills, and S. R. Geist, New York, assignors to Gemloid Corporation, Elmhurst, Long Island, N. Y. Lamp. 151,037, Sept. 21.
- Frankel, Leo, Chicago, Ill. Photographic viewer. 150,290, July 20.
- Frankfield, Robert, assignee: *See*—
Bruck, Michael.
- Franklin Sales & Manufacturers, Inc., assignee: *See*—
Fukal, Alfred F.
- Frazita, Josephine, New York, N. Y. Dress. 148,779, Feb. 24.
- Free Sewing Machine Co., assignee: *See*—
Nessen, Walter F.
Reinecke, Jean O.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 150,409, Aug. 3.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,811, Nov. 23.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,812, Nov. 23.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,813, Nov. 23.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,814, Nov. 23.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,880, Nov. 30.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 151,881, Nov. 30.
- Freedman, Stephen B., New York, N. Y. Embossed leather or similar article. 148,924, Mar. 9.
- Freedman, Stephen B., New York, N. Y. Embossed leather or similar article. 149,805, June 1.
- Freeman, Clair D.: *See*—
Lamb, Eddy, and Freeman.
- Freeman, Max, New York, N. Y. Pin or the like. 149,743, May 25.
- Frei, Otto, New York, assignor to O. A. Scheurmann, Bay-side, N. Y. Lace or similar article. 149,054, Mar. 23.
- Frei, Otto, New York, assignor to O. A. Scheurmann, Bay-side, N. Y. Lace or similar article. 149,055, Mar. 23.
- Frei, Otto, New York, assignor to O. A. Scheurmann, Bay-side, N. Y. Lace or similar article. 149,056, Mar. 23.
- Freimauer, Samuel, and J. Skoloff, Hillside, N. J. Fish type harmonica. 151,972, Dec. 7.
- Frettoloso, Lawrence P., Brooklyn, assignor to Udall & Landan Manufacturing Co. Inc., New York, N. Y. Pry-off type container cap removing tool. 151,973, Dec. 7.
- Frick-Gallagher Manufacturing Company, The, assignee: *See*—
Krag, Erik P.
- Frickel, John, Greenwich, Conn., assignor to Vulcanized Rubber and Plastics Company (Incorporated), New York, N. Y. Comb. 151,753, Nov. 16.
- Friden Calculating Machine Co., Inc., assignee: *See*—
Machado, Anthony B.
- Fried, Benjamin F., assignee, et al.: *See*—
Seidel, Benjamin.
- Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,610, Feb. 10.
- Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,611, Feb. 10.
- Friedman, Joseph, New York, N. Y. Shadow box mirror. 148,612, Feb. 10.
- Friedman, Joseph L., New York, N. Y. Handbag. 151,754, Nov. 16.
- Friedman, Max, New York, N. Y. Hat or similar article. 151,882, Nov. 30.
- Friedman, Max, New York, N. Y. Hat or similar article. 151,883, Nov. 30.
- Friese, Kurt P., Norwalk, Conn. Work holder. 150,291, July 20.
- Fruit, Edmund W., Chicago, assignor to R. T. and J. E. Welsh and E. W. Fruit, a partnership doing business as J. Edmund Regor Company, Rockford, Ill. Electric fan. 150,938, Sept. 14.
- Fry, William J., Chicago, Ill. Protecting jar for a paper milk carton. 149,866, June 8.
- Fuhs, Royal J., Louisville, Ky. Bicycle. 149,408, Apr. 27.
- Fukal, Alfred F., Cambridge, assignor to Franklin Sales & Manufacturers, Inc., Columbus, Ohio. Combined cigarette case and lighter. 151,341, Oct. 12.
- Fuller Brush Company, The, assignee: *See*—
Le Febvre, Alfred L.
- Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Beverage dispenser. 148,463, Jan. 27.
- Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric organ. 150,939, Sept. 14.
- Fuller, Richard P., Los Angeles, Calif. Twin vision transparency viewer. 152,195, Dec. 28.
- Fulton Company, The, assignee: *See*—
Riemann, Howard C.
- Fulton Frame Mfg. Co., assignee, et al.: *See*—
Kruger, Maurice J., and Megdall.
- Funderburg, John E., Ashland, Ky. Game board. 151,231, Oct. 5.
- Funfrock, John G., Morgantown, W. Va. Transparent paper weight. 149,116, Mar. 30.
- Funfrock, John G., Morgantown, W. Va. Transparent paper weight. 149,117, Mar. 30.
- Fung, Ernest S. K., Honolulu, Hawaii. Tumble head toy. 150,006, June 22.
- Furedy, Frank, and M. W. Dynes, assignors to Sun-Kraft, Inc., Chicago, Ill. Pipe. 150,219, July 13.
- Furth, Hertha, New York, N. Y. Tablecloth or similar article. 149,544, May 11.
- Gaboury, Eugene, Detroit, Mich. Dump trailer. 149,806, June 1.
- Gagnon, Lawrence J., Bay Village, Ohio, assignor to J. Schrader Company. Lamp or similar article. 151,815, Nov. 23.
- Gaines, Frank E., Alhambra, Calif. Hand truck or similar article. 148,532, Feb. 3.
- Gair, Robert, Company, Inc., assignee: *See*—
Fettingner, John G.
- Gaitskill, Billie B., Los Angeles, Calif. Manicurist's table top. 149,807, June 1.
- Gaitskill, Billie B., Los Angeles, Calif. Manicurist's kit. 149,808, June 1.
- Galehouse, Clark F., Manhasset, assignor to Arnold Brilliant, Ltd., Great Neck, N. Y. Lampstand or similar article. 148,533, Feb. 3.
- Galehouse, Clark F., Manhasset, assignor to Arnold Brilliant, Ltd., Great Neck, N. Y. Lampstand or similar article. 148,687, Feb. 17.
- Gallegos, Louis D., and H. J. Byrnes, Los Angeles, Calif. Puzzle game board. 149,118, Mar. 30.
- Gambardella, Ralph, Warwick, R. I., assignor to Narragansett Machine Company. Bumper engaging member for an automobile jack. 151,974, Dec. 7.
- Gamble, Harold R., and D. J. Peeps, Toledo, Ohio. Air compressing unit. 149,545, May 11.
- Gamble Stores Incorporated, assignee: *See*—
Greer, Carl S., Jr.
- Gane, Robert W., assignor to Chautauqua Hardware Corporation, Jamestown, N. Y. Drawer pull. 151,689, Nov. 9.
- Ganser, Harry A., New York, N. Y. Coaster or similar article. 148,925, Mar. 9.
- Gantner, John O., Jr., San Francisco, Calif. Swimming suit. 151,038, Sept. 21.
- Gardel, Robert, New York, N. Y. Connecting link for a necklace or similar article. 151,232, Oct. 5.
- Gardner, Archibald M., Los Angeles, Calif. Soap dish. 150,761, Aug. 31.
- Gardner, James W., Bremerton, Wash. Heat applicator for human use. 150,125, July 6.
- Garbutt, William W.: *See*—
Hruska, Leo J., and Garbutt.
- Garvin, John L., New York, N. Y. Ornamental link. 149,482, May 4.
- Geduldig, Markus, New York, N. Y. Combined bracelet and watch casing. 150,127, July 6.
- Geduldig, Markus, New York, N. Y. Combined bracelet and detachable watch casing. 150,128, July 6.
- Geduldig, Markus, New York, N. Y. Combined bracelet and closeable watch casing. 150,129, July 6.
- Gehr, Theodore L., St. Petersburg, Fla. Christmas ornament. 151,816, Nov. 23.
- Geib, Arthur H., Milwaukee, Wis. Duplicating machine. 151,975, Dec. 7.
- Geib, Charles A., Chicago, Ill. Toy construction piece. 149,346, Apr. 20.
- Geib, Charles A., Chicago, Ill. Toy construction piece. 149,347, Apr. 20.
- Geib, Charles A., assignor to The Norwood Company, Chicago, Ill. Phonograph tone arm. 151,630, Nov. 2.
- Geist, Sidney R.: *See*—
Frank, Joseph, and Geist.
- Geistert, Albert G., Grand Rapids, Mich. Vacuum cleaner casing. 150,220, July 13.
- Gelb, Abe, New York, N. Y. Embroidered lace. 149,483, May 4.
- Gelb, Abe, New York, N. Y. Embroidered lace. 149,484, May 4.
- Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Washing machine or similar article. 149,119, Mar. 30.
- Geller, William, New York, N. Y. Electric heater. 148,293, Jan. 6.
- Gelmoid Corporation, assignee: *See*—
Frank, Joseph, and Geist.
- Gem Crib & Cradle Company, assignee: *See*—
Bockus, Robert C.
- Gem Die & Mold Company, assignee: *See*—
Stacey, Ted R.
- General Electric Company, assignee: *See*—
Dickinson, Wilbur K.
Rex, Charles H.
Welch, Alanson U., Jr.
- General Hardware Mfg. Co. Inc., assignee: *See*—
Smith, Roger P.
- General Mills, Inc., assignee: *See*—
Polivka, John N., and Collura.

- General Motors Corporation, assignee: *See*—
Haviland, Glenford M.
Hulyk, Myron.
Lauve, Henry de S.
Loewy, Raymond.
Markestein, John.
- General Phonograph Manufacturing Company, The, assignee: *See*—
Dean, John M.
- General Time Instruments Corporation, assignee: *See*—
Schlenker, Max E.
- Generale, John T., Pelham Manor, N. Y. Combined knife holder and towel rack. 149,177, Apr. 6.
- Genske, Hugh, Philadelphia, Pa. Bottle. 149,178, Apr. 6.
- Geron, Harry E., Springfield, Ohio. Paperweight or like ornament. 149,629, May 18.
- Gerth, William: *See*—
Allen, Grosvenor N., and Gerth.
- Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Products, Inc., North Bergen, N. J. Glass jar. 151,976, Dec. 7.
- Gest, Morris, Los Angeles, Calif. Lamp. 150,563, Aug. 17.
- Gezari, Zvi, New York, N. Y. Scooter. 148,848, Mar. 2.
- Giacalone, Charles, assignee: *See*—
Giambone, Vincent, and Abate.
- Giambone, Vincent, and C. L. Abate; said Giambone assignor to C. Giacalone, Brooklyn, N. Y. Hamper. 149,867, June 8.
- Giammatteo, Aurelia, New York, N. Y., assignor to Foster & Davies, Inc., Cleveland, Ohio. Connector plug. 150,410, Aug. 3.
- Giannillo, Matteo, Brooklyn, N. Y. Combined cigarette and jewelry container. 150,292, July 20.
- Giegold, Andrew G., Jr., Mount Vernon, N. Y. Book end or similar article. 149,409, Apr. 27.
- Giegold, Andrew G., Jr., Mount Vernon, N. Y. Picture holder or similar article. 150,221, July 13.
- Gifford, Robert E., Farnsworth, Ill. Planter lamp. 151,817, Nov. 23.
- Gifford, Zilpah C., Oakland, Calif. Combination figurine and beverage set. 151,977, Dec. 7.
- Gilbert, Benjamin D., assignee: *See*—
Bradley, Elizabeth K.
- Gilbert, Felix, assignor to Eugene Manufacturing Corp., New York, N. Y. Film viewer. 149,348, Apr. 20.
- Gile, Everett L., Billerica, Mass. Tire chain tool. 150,222, July 13.
- Gill, Marvin L., assignee: *See*—
Hallgarth, William.
- Gillett, Edward C., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Span measuring device for bowling balls and the like. 148,780, Feb. 24.
- Gilmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Powdered soap dispenser or the like. 150,353, July 27.
- Gimelli, Samuel, Berne, Switzerland, assignor to Drugs Limited, London, England. Atomizer spray attachment for a container. 148,411, Jan. 20.
- Gimelli, Samuel, Bern, Switzerland, assignor to Drugs Limited, London, N. England. Atomizer spray attachment for a container. 151,618, Nov. 2.
- Gina, Francis X.: *See*—
Ketchum, Morris, Jr., Gina, and Sharp.
- Giordano, Salvatore, Forest Hills, N. Y. Handbag frame or similar article. 150,007, June 22.
- Giordano, Salvatore, Forest Hills, N. Y. Handbag frame or similar article. 150,008, June 22.
- Giovagnoni, Violet, New York, N. Y. Negligee. 148,688, Feb. 17.
- Giovagnoni, Violet, New York, N. Y. Negligee. 150,691, Aug. 24.
- Giovagnoni, Violet, New York, N. Y. Negligee. 151,123, Sept. 28.
- Giovagnoni, Violet, New York, N. Y. Negligee. 152,070, Dec. 14.
- Glasgow, Charles S., Los Angeles, and C. C. Wood, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 150,692, Aug. 24.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,613, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,614, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,615, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,616, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,617, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,618, Feb. 10.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,689, Feb. 17.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,849, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,850, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,851, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,852, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,853, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,854, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 148,855, Mar. 2.
- Glass, Beatrice, New York, N. Y. Brooch or similar article. 149,546, May 11.
- Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 151,342, Oct. 12.
- Glass, Marvin, Chicago, Ill. Toy figure. 152,150, Dec. 21.
- Glavies, Mike A., Campbell, Ohio. Garment hanger. 151,978, Dec. 7.
- Gleason, Mancer H.: *See*—
Young, Arthur M., and Gleason.
- Glenmore Distilleries Company, assignee: *See*—
Kelley, Henry E., Jr.
Oberwinder, John F.
- Glickman, Irving, New York, N. Y. Dress. 148,781, Feb. 24.
- Glidden, Arthur R., Seattle, Wash. Combination key holder and bottle opener. 152,196, Dec. 28.
- Globe Jewelry and Chain Manufacturing Co., assignee: *See*—
Schwartz, Andrew.
- Globe-Union Inc., assignee: *See*—
Appel, George C.
- Gloria Vanderbilt Corporation, assignee: *See*—
Chalom, Maurice.
- Glowiak, Stanley J., Fresno, Calif. Cigarette and cigar case. 150,354, July 27.
- Gluck, Abraham, assignee: *See*—
Shapiro, Joseph, and Gluck.
- Gluckman, Maxfield, Jackson Heights, N. Y. Merchandise display case. 149,630, May 18.
- Gluff, Gordon F., Chicago, Ill. Electric wall lamp, fixture. 149,631, May 18.
- Gluhareff, Michael E.: *See*—
Katzenberger, Edward F., and Gluhareff.
Sikorsky, Igor I., and Gluhareff.
- Glunz, Eugene B., and M. D. Offen, Fresno, Calif. Christmas ornament. 151,755, Nov. 16.
- Glynn, David H., Richmond Heights, Mo. Wall switch plate. 149,547, May 11.
- Goebel, Herman L., assignor to Mitchell Manufacturing Company, Chicago, Ill. Desk lamp or the like. 150,940, Sept. 14.
- Goessling, Gerald A., Richmond Heights, assignor to Quick Point Pencil Co., St. Louis, Mo. Combination pen and pencil. 151,233, Oct. 5.
- Gold, Irving, New York, N. Y. Combined rouge brush and casing therefor. 148,294, Jan. 6.
- Goldberg, Abraham M., Denver, Colo. Scarf. 148,926, Mar. 9.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 150,941, Sept. 14.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 150,942, Sept. 14.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 150,943, Sept. 14.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 150,944, Sept. 14.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 150,945, Sept. 14.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,444, Oct. 19.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Jacket. 151,690, Nov. 9.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,818, Nov. 23.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,819, Nov. 23.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 151,820, Nov. 23.
- Golden, A. George, Brooklyn, N. Y. Picture frame. 149,120, Mar. 30.
- Golden, A. George, Brooklyn, N. Y. Picture frame. 149,121, Mar. 30.
- Golden, David M., Chicago, Ill. Lamp. 150,355, July 27.
- Golden, Harry, New York, N. Y. Vanity mirror for automobiles. 149,548, May 11.
- Golden, Harry, New York, N. Y. End plate for bicycle pedals. 150,762, Aug. 31.
- Golden, Harry, New York, N. Y. Bicycle and automobile jewel and support. 150,763, Aug. 31.
- Golden, Harry, New York, N. Y. Fender flap for bicycles. 150,764, Aug. 31.
- Goldenstein, Sally, Brooklyn, N. Y. Decorative scarf or the like. 151,756, Nov. 16.
- Goldman, Oliver D., Philadelphia, Pa. Combined telephone stand and memorandum pad holder. 148,464, Jan. 27.
- Goldmann, Jack M., assignor to Amereel Corporation, New York, N. Y. Film reel. 151,619, Nov. 2.
- Goldman, Robert, and R. Nemzer, Brooklyn, N. Y. Lamp base. 148,782, Feb. 24.
- Goldsmith, Berthold, Jr., Woodmere, N. Y., assignor to Botany Mills, Inc., Passaic, N. J. Font of type or similar article. 149,057, Mar. 23.
- Goldsmith, Edwin B., assignee: *See*—
Kapphan, Elwood D.
- Goldsmith, Lang, Brookline, Mass. Brooch. 148,534, Feb. 3.
- Goldstein, Jean H., now by change of name: *See*—
Harber, Jean.

- Goldstein, Joseph, Brookline, Mass. Slipper. 149,549, May 11.
- Goldstein, Julius J., New York, N. Y. Supporting belt. 151,039, Sept. 21.
- Golick, Joseph J.: *See*—
Briskin, Jack, and Golick.
- Gombeg, George, Chicago, Ill. Multiple fluorescent lighting unit. 151,631, Nov. 2.
- Gombeg, George, Chicago, Ill. Fluorescent lighting unit. 151,632, Nov. 2.
- Goodall, Leonard B., Warrensburg, Mo. Power mowing machine. 150,411, Aug. 3.
- Goodes, George, Jersey City, N. J. Lolly pop. 151,124, Sept. 28.
- Goodkind, Aaron, Brooklyn, N. Y. Watch dial. 150,628, Aug. 17.
- Goodman, Samuel, assignor to Acorn Sheet Metal Works, Inc., Chicago, Ill. Vending cart or similar article. 148,412, Jan. 20.
- Goodrich, B. F., Company, The, assignee: *See*—
Billingsley, William F.
- Goodwin, Grant M., San Francisco, Calif. Automobile tailpipe extension. 149,122, Mar. 30.
- Goodyear Aircraft Corporation, assignee: *See*—
Beck, Derwood A.
- Goodyear Footwear Corporation, assignee: *See*—
Hard, John E.
- Goodwin, Fred W., Berkeley, Calif. Fire grate. 152,151, Dec. 21.
- Gordon, David, Los Angeles, Calif. Charm or similar article. 148,465, Jan. 27.
- Gordon, Eli, and H. Sanders, Los Angeles, Calif. Viewer case. 148,690, Feb. 17.
- Gordon, Eli, and H. Sanders, Los Angeles, Calif. Perfume bottle. 151,125, Sept. 28.
- Gordon, Herman L., Silver Spring, Md. Microfilm viewer. 150,412, Aug. 3.
- Gordon, Jack, Los Angeles, Calif. Table lamp. 150,564, Aug. 17.
- Gordon, James L., Amarillo, Tex. Building. 148,466, Jan. 27.
- Gordon, James M., Los Angeles, Calif. Meat lug. 149,809, June 1.
- Gordon, Peggy T., Los Angeles, Calif. Wall plaque. 150,130, July 6.
- Goshen Manufacturing Company, The, assignee: *See*—
Rink, Robert M.
- Gothlie, Irving I., New York, N. Y., assignor to Admiral Lamp Mfg. Corp., Chicago, Ill. Lamp fixture. 150,946, Sept. 14.
- Gottlieb, Abraham, New York, N. Y. Lace or the like. 148,413, Jan. 20.
- Gottlieb, Abraham, New York, N. Y. Lace or the like. 150,413, Aug. 3.
- Goudreau, Delphus, Northbridge, Mass. Dual cross communion set. 148,467, Jan. 27.
- Gougler, Marcelline, Chicago, Ill., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,783, Feb. 24.
- Goulland, Rene, New York, N. Y. Carpenter's plane. 151,979, Dec. 7.
- Gourieli Inc., assignee: *See*—
Medgyes, Ladislav.
- Gowen, Harlan F., assignee: *See*—
Walker, Robert A.
- Graboi, Michael, New York, N. Y. Thermometer casing and minute glass unit. 151,633, Nov. 2.
- Grabowski, Stanley F., San Mateo, and J. M. Sawaya, San Anselmo, Calif. Music cabinet. 151,620, Nov. 2.
- Grade, Tullio E., *See*—
Auer, Michael J., and Grade.
- Graef, John G., Dallas, Tex. Display cabinet. 148,691, Feb. 17.
- Graef, John N., Winnetka, assignor to Swain Nelson Engineering and Equipment Company, Glenview, Ill. Combination flashlight and compact. 149,810, June 1.
- Graeter, Harold, Blairstown, N. J., assignor to Cartier, Inc., New York, N. Y. Clip brooch or the like. 149,811, June 1.
- Graham, Elizabeth N., New York, N. Y. Container for a perfume bottle or the like. 148,619, Feb. 10.
- Graham, Elizabeth N., New York, N. Y. Cosmetic display box. 148,692, Feb. 17.
- Graham, Elizabeth N., New York, N. Y. Combined sachet bag and perfume bottle container. 148,927, Mar. 9.
- Graham, Elizabeth N., New York, N. Y. Beach bag. 151,040, Sept. 21.
- Graham, Elizabeth N., New York, N. Y. Combined eye shadow and rouge case. 151,234, Oct. 5.
- Graham, Elizabeth N., New York, N. Y. Container for perfumed bath tablets or the like. 151,884, Nov. 30.
- Graham, Elizabeth N., New York, N. Y. Combined twin lipstick case and mirror compartment or the like. 151,980, Dec. 7.
- Graham, Elizabeth N., New York, N. Y. Combined air travel bag and cosmetic case. 151,981, Dec. 7.
- Graham, Frank L.: *See*—
McCann, DeWitt, Berlin, and Graham.
- Graham, Willard H., Lansing, Mich. Combined reading lamp, bank, and smoking stand. 150,223, July 13.
- Graham, William T., Amarillo, Tex. I-beam clamp. 150,131, July 6.
- Grand Products, Inc., assignee: *See*—
Yaeger, Henry C.
- Grandon, Matthew R., Beverly Hills, and B. Burns, Los Angeles, Calif. Leash reel housing. 150,947, Sept. 14.
- Granning, Thomas, assignee: *See*—
Schildknecht, Paul.
- Granitto, James V., assignor to The A. J. Donahue Corporation, Milford, Conn. Tape or similar article. 151,982, Dec. 7.
- Grant, Albert E., Kansas City, Mo. Casing for chronometric record device. 149,485, May 4.
- Grant, Robert Y., Jr., Townsend, Mass. Toy whistle. 150,293, July 20.
- Grasfeld House, Inc., assignee: *See*—
Buckner, Anthony J.
- Graven, Nettie E., Wooster, Ohio. Combined ash tray and receptacle or similar article. 150,565, Aug. 17.
- Graven, Nettie E., Wooster, Ohio. Cream pitcher or similar article. 151,511, Oct. 26.
- Gray Manufacturing Company, The, assignee: *See*—
Spillman, Raymond.
- Spillman, Raymond, and White.
- Green Company, Incorporated, The, assignee: *See*—
Manry, Thornton J.
- Green, George G., San Jose, Calif. Combined mixer and mold for margarine and other food products. 148,620, Feb. 10.
- Green, Irwin W., Bell Gardens, Calif. Combined nutcracker and tray. 151,621, Nov. 2.
- Green, Joseph, New York, N. Y. Musical instrument or similar article. 150,132, July 6.
- Green, Joseph, New York, N. Y. Musical toy or similar article. 151,445, Oct. 19.
- Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Stratford Pen Corporation, New York, N. Y. Mechanical pencil. 149,486, May 4.
- Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Stratford Pen Corporation, New York, N. Y. Fountain pen barrel. 150,224, July 13.
- Green, Warren B.: *See*—
Schladermundt, Peter, and Green.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,784, Feb. 24.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,785, Feb. 24.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Furnace. 148,786, Feb. 24.
- Green, Warren B., Darien, Conn., assignor to Sears, Roebuck and Co., Chicago, Ill. Lavatory. 149,632, May 18.
- Greenawald, Lawrence D., Solon, Iowa. Toothbrush holder. 150,133, July 6.
- Greenbaum, Bernard J., Westport, Conn. Toy box. 149,940, June 15.
- Greenberg, Charles B., New York, N. Y. Wrist watch strap buckle. 150,009, June 22.
- Greenberg, Charles B., New York, N. Y. Wrist watch strap or similar article. 150,010, June 22.
- Greenberger, Harry J., Morristown, N. J. Slip. 151,446, Oct. 19.
- Greenhouse, David, assignee: *See*—
Hoffschmidt, Edward.
- Greenlaw, Harvey K.: *See*—
Harman, Hugh, McGill, and Greenlaw.
- Greer, Carl S., Jr., Albion, Mich., assignor to Gamble Stores Incorporated, Minneapolis, Minn. Cabinet for space heaters or the like. 150,846, Sept. 7.
- Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 150,847, Sept. 7.
- Greer, Carl S., Jr., Albion, Mich., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Cabinet for space heaters or the like. 150,848, Sept. 7.
- Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 150,849, Sept. 7.
- Greer, Carl S., Jr., assignor to Lonergan Manufacturing Company, Albion, Mich. Cabinet for space heaters or the like. 150,850, Sept. 7.
- Grefe, Russell W., Merrick, N. Y. Charm bracelet. 150,566, Aug. 17.
- Greger, George G., Detroit, Mich. Tray for desk articles. 151,343, Oct. 12.
- Gregg, Jon, New Hope, Pa. Slipper or similar article. 149,179, Apr. 6.
- Gregg, Jon, New Hope, Pa. Slipper or similar article. 149,180, Apr. 6.
- Gregory, Everett E., Kansas City, Mo. Tobacco pipe. 149,410, Apr. 27.
- Greig, James V., assignor to Woodall Industries Incorporated, Detroit, Mich. Vehicle body. 150,567, Aug. 17.
- Grenfell, Clarence J., assignee, et al.: *See*—
Haglund, Vern N.
- Greppin, Ernest H., and J. A. Salvia, assignors to Wilmot Castle Company, Rochester, N. Y. Combined dental operating lamp and support. 149,744, May 25.
- Greppin, Ernest H., and J. A. Salvia, assignors to Wilmot Castle Company, Rochester, N. Y. Dental operating lamp. 149,745, May 25.
- Grey, Ira J., New York, N. Y. Photographic film viewer. 149,123, Mar. 30.
- Grey, Lanny, New York, N. Y. Ash tray. 149,265, Apr. 13.
- Grey, Lanny, New York, N. Y. Combined ash tray, cigarette lighter, and book end. 149,633, May 18.

- Greyson, William L., Flushing, N. Y. Stool. 149,349, Apr. 20.
- Grier, Kay M., North Hollywood, Calif. Road roller. 148,350, Jan. 13.
- Griffin, Steve, Alameda, Calif. Infant's shoe. 150,568, Aug. 17.
- Grinoch, Jacob B., New York, N. Y. Pleated necktie. 150,851, Sept. 7.
- Groos, Eleanor, Mount Vernon, N. Y. Ring box or similar article. 148,295, Jan. 6.
- Groos, Eleanor, Mount Vernon, N. Y. Ring box or similar article. 148,296, Jan. 6.
- Groos, Eleanor, Mount Vernon, N. Y. Ring box or similar article. 149,058, Mar. 23.
- Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.
- Gross, Nathan, Brooklyn, N. Y. Brooch or similar article. 148,414, Jan. 20.
- Grosvenor, Richard B., Piqua, Ohio. Combined spoon and rattle. 148,693, Feb. 17.
- Grosvenor, Richard B., Piqua, Ohio. Toy animal figure. 149,550, May 11.
- Grover, Frederic S., Brighton, assignor to Richardson Corporation, Rochester, N. Y. Roadside refreshment stand. 148,694, Feb. 17.
- Grover, Frederic S., and K. D. Maier, Rochester, assignors to International Business Machines Corporation, New York, N. Y. Combined typewriter and support therefor. 148,985, Mar. 16.
- Grover, Frederic S., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Combined typewriter and desk support therefor. 148,986, Mar. 16.
- Grover, Frederic S., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Combined typewriter and desk support therefor. 148,987, Mar. 16.
- Gruber, Eli H., Malvern, Pa. Xylophone. 148,856, Mar. 2.
- Gruber, Paul R., Waterbury, Conn. Pastry implement. 149,551, May 11.
- Gruenberger, George, Milwaukee, Wis. Child's vehicle. 149,552, May 11.
- Grutznier, Fritz P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Locomotive body. 149,553, Guariglia, John, Benicia, Calif. Noisemaking airplane toy. 150,011, June 22.
- Gudell, Rudolph T., North Chicago, and G. A. Feeny, Chicago, Ill. Portable altar. 151,041, Sept. 21.
- Guertin, Gabriel C., Boston, Mass. Combination hassock and coffee table. 151,983, Dec. 7.
- Guertin, Gabriel C., Boston, Mass. Combination circular hassock and coffee table. 151,984, Dec. 7.
- Guild, Lurelle, Darien, Conn., assignor to Servel, Inc., New York, N. Y. Water heater. 150,225, July 13.
- Guild, Lurelle, Noroton, Conn., assignor to Westinghouse Electric Corporation, Toaster. 149,350, Apr. 20.
- Guild, Lurelle, Noroton, Conn., assignor to Westinghouse Electric Corporation, Toaster. 150,134, July 6.
- Guise, Arthur B.: *See*—
La Fountain, Amie, and Guise.
- Gulley, Hollie C., Los Angeles, Calif. Egg tray or the like. 150,414, Aug. 3.
- Gunklach, Carl E., Oakwood, Ohio. Shuffleboard cue head. 151,821, Nov. 23.
- Gunn, Carl D.: *See*—
Whitman, George L., and Gunn.
- Gurczak, Adam J., Buffalo, N. Y. Comb holder. 150,852, Sept. 7.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell, & Moore, Inc., Muskegon, Mich. Bridge crane. 152,197, Dec. 28.
- Gustafson, Lewis H., and L. J. Halberstadt, assignor to Pro-phy-lactic Brush Company, Northampton, Mass. Clock case. 149,868, June 8.
- Gustafson, Wayne A., assignor to M. S. Aviation Co., Minneapolis, Minn. Portable electric space heater. 149,266, Apr. 13.
- Gustafsson, Eric: *See*—
Baur, John W., and Gustafsson.
- Guth, Edwin F., Company, The, assignee: *See*—
Guth, Edwin F., and Koegel.
- Koegel, Ervin C.
- Guth, Edwin F., Florissant, and E. C. Koegel, assignors to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,695, Feb. 17.
- Guth, Edwin F., Florissant, and E. C. Koegel, assignors to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 150,853, Sept. 7.
- Guth, Edwin F., Company, The, assignee: *See*—
Guth, Edwin F., and Koegel.
- Guth, Stern & Co. Inc., assignee: *See*—
Schlotterbeck, Fred.
- Guzman, Samuel, and H. Rappaport, New York, N. Y. Tray or similar article. 150,693, Aug. 24.
- Haase, Lawrence H., Evansville, Ind., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 148,696, Feb. 17.
- Haddad, Saleem: *See*—
Jebiley, Jessie, and Haddad.
- Haft, Morris W., & Bros., Inc., assignee: *See*—
Cohen, Sidney.
- Freedman, Jules.
- Goldberg, Harry.
- Hagen, Albert O., Seattle, Wash. Pea sheller handle. 149,487, May 4.
- Haglund, Vern N., Lakewood, assignor of one-third to C. J. Grenfell and one-third to C. F. Meffley, both of Denver, Colo. Lawn mower housing. 150,226, July 13.
- Haggstrom, Arthur C.: *See*—
Laing, Gordon F., and Haggstrom.
- Haggstrom, Arthur C., assignor to Style Line Products Co., Rockford, Ill. Animal trap. 151,691, Nov. 9.
- Haines, Harold E., Binghamton, N. Y. Hearing aid. 148,697, Feb. 17.
- Halberstadt, Lewis J.: *See*—
Gustafson, Lewis H., and Halberstadt.
- Halbritter, Percy H., Los Angeles, Calif. Slide viewer. 149,554, May 11.
- Halbritter, Percy H., Los Angeles, Calif. Slide viewer. 151,447, Oct. 19.
- Haldane, James M., Palos Heights, assignor to H. W. Anderson, doing business as Brass Products Co., Chicago, Ill. Gas valve. 148,787, Feb. 24.
- Hale, Florence E., Kit Carson, Colo. Cream skimmer. 149,181, Apr. 6.
- Hale, George E., assignee: *See*—
Ruskin, Henry.
- Haley, James: *See*—
Hedquist, Milton T., and Haley.
- Hall, Theodore P., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane. 149,812, June 1.
- Haller, André, Zurich, Switzerland. Chest for storing and displaying surgical instruments. 151,622, Nov. 2.
- Haller, Robert B., Wilkensburg, assignor to Mine Safety Appliance Company, Pittsburgh, Pa. Respirator. 150,569, Aug. 17.
- Hallgarth, William, Harbor, assignor of one-half to M. L. Gill, Lansdale, Pa. Frying pan. 151,448, Oct. 19.
- Halls, Simon A., Zumbrota, Minn. Feed carrier. 151,985, Dec. 7.
- Halpern, Rose, New York, N. Y. Collapsible display and serving stand. 149,488, May 4.
- Halvas, Andrew, Astoria, N. Y. Airplane toy. 152,152, Dec. 21.
- Haman, Ralph W., Flossmoor, and S. W. Kay, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway vehicle. 150,415, Aug. 3.
- Hamilton, Bertis F., Columbus, Ind. Waste can. 151,986, Dec. 7.
- Hamilton, Conrad D.: *See*—
Niederhausen, William, and Hamilton.
- Hamilton, Conrad D., New York, N. Y. Bracelet. 148,351, Jan. 13.
- Hamilton, Frank E., Jr., Milwaukee, Wis. Combination bottle opener and muddler. 148,535, Feb. 3.
- Hamilton, Josef N., Bellingham, Wash. Bathing suit. 151,885, Nov. 30.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 149,351, Apr. 20.
- Hammer, John J., Detroit, Mich. Traffic signal. 149,352, Apr. 20.
- Hammerly, Agnes S., Duluth, Minn. Doll. 150,227, July 13.
- Hammers, Oscar E., Chicago, Ill. Juicer. 151,822, Nov. 23.
- Hammers, Oscar E., Chicago, Ill. Sanitary juice collector. 151,823, Nov. 23.
- Hampden Sales Associates, Inc., assignee: *See*—
Leavin, William H.
- Hamrah, Frederick P., near Charlotte, N. C. Salt and pepper dispenser. 148,988, Mar. 16.
- Hand, Thomas L., Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y. Heater. 148,536, Feb. 3.
- Hanes, Howard B., Fort Dodge, Iowa. Spinning bird's wing toy. 148,698, Feb. 17.
- Haney, Michael E., Toledo, Ohio. Merchandise display rack. 149,941, June 15.
- Haney, Myron L., Evanston, Ill. Bowling ball case. 149,869, June 8.
- Hankscraft Company, assignee: *See*—
Chapman, David, and Ramsay.
- Hanna, Jay, New York, N. Y. Clock dial or similar article. 151,634, Nov. 2.
- Hannay, Clifford B., and Son, Inc., assignee: *See*—
Rehm, William H. C.
- Hanrahan, Emery M., Kenosha, Wis. Comb holder. 149,059, Mar. 23.
- Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Nonmetallic temple for spectacles or similar article. 149,634, May 18.
- Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Spectacle front. 149,870, June 8.
- Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Nonmetallic temple for spectacles or similar article. 150,948, Sept. 14.
- Hansen, Robert H.: *See*—
Cushman, Walt W., and Hansen.
- Hansen, William, Chicago, Ill. Portable magazine rack. 148,788, Feb. 24.

- Harber, Jean, Weehawken, N. J., now by change of name, J. H. Goldstein. Bead collar or similar article. 151,512, Oct. 26.
- Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Overshoe or similar water-proof article. 148,699, Feb. 17.
- Hardell, LeRoy W., assignor to Stewart-Warner Corporation, Chicago, Ill. Radio and phonograph cabinet. 148,297, Jan. 6.
- Hardeman, William E., Solihull, and S. C. Parker, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 150,416, Aug. 3.
- Hardeman, William E., Solihull, and S. C. Parker, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 151,886, Nov. 30.
- Hardesty, Jean A., Altadena, assignor to Signal Oil Company, Los Angeles, Calif. Automobile service station island. 148,928, Mar. 9.
- Hardman, Rena B., Los Angeles, Calif. Overshoe. 150,694, Aug. 24.
- Harker, Frederick A., San Francisco, Calif. Lamp. 149,871, June 8.
- Harley, Bertron G., Penn Yan, assignor to Mercury Aircraft, Inc., Hammondsport, N. Y. Frame for wheeled stroller vehicle. 149,411, Apr. 27.
- Harley-Davidson Motor Company, assignee: *See*—Stevens, Clifford B.
- Harman, Gerald J., Beverly Hills, Calif. Trailer vehicle. 151,235, Oct. 5.
- Harman, Hugh, Beverly Hills, C. F. McGirl, Van Nuys, and H. K. Greenlaw, Los Angeles, Calif. Bicycle. 150,765, Aug. 31.
- Harper, Henry R., Evanston, assignor to Cardox Corporation, Chicago, Ill. Wheeled fire extinguishing unit or similar device. 148,415, Jan. 20.
- Harper, Henry R., Evanston, assignor to Cardox Corporation, Chicago, Ill. Motor propelled fire extinguishing unit or similar device. 148,416, Jan. 20.
- Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Combined ash tray and pipe smoker's accessory. 150,294, July 20.
- Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Smoker's stand or the like. 151,236, Oct. 5.
- Harper, Robert J.: *See*—Teague, Walter D., and Harper.
- Harper-Wyman Company, assignee: *See*—Harper, Philip S.
- Harrington, King, San Francisco, Calif. Pendant or similar article. 148,989, Mar. 16.
- Harris, Kenneth, and O. A. May, Chicago, Ill. Toothbrush. 151,237, Oct. 5.
- Harris Manufacturing Company, assignee: *See*—Inskeep, Oliver M.
- Harris, Morrison E., Venice, Calif. Combined inter-office communicating unit and accounting device. 149,635, May 18.
- Harrison, Raymond B., Dover, N. H. Binding strip for shoe soles. 151,042, Sept. 21.
- Harris, Todd, Brooklyn, N. Y. Beverage stirrer. 148,537, Feb. 3.
- Harris, Walter B., Southold, N. Y. Combined ejector pump and strainer base plate. 151,757, Nov. 16.
- Harris, William M., Greenwich, Conn., assignor to National Dairy Products Corporation, New York, N. Y. Ice cream dispensing unit. 149,872, June 8.
- Hart, Frederick D., assignor to Tennessee Enamel Manufacturing Co., Nashville, Tenn. Heater. 150,949, Sept. 14.
- Hart, Frederick D., assignor to Tennessee Enamel Manufacturing Co., Nashville, Tenn. Heater. 150,950, Sept. 14.
- Hart, Roy R., San Jose, Calif. Game piece set. 151,758, Nov. 16.
- Hartford Products Corporation, The, assignee: *See*—Muller-Munk, Peter.
- Hartnett, Paul L., Leominster, Mass. Picture frame. 148,929, Mar. 9.
- Harvey, James E., assignor to Argus, Incorporated, Ann Arbor, Mich. Camera. 150,228, July 13.
- Harvey, James W., Lakeville, Conn. Game implement. 148,298, Jan. 6.
- Harvey, Norman J., Bellevue, Nebr. Step. 152,153, Dec. 21.
- Harvey-Whipple, Incorporated, assignee: *See*—Carter, George I.
- Harvuot, Richard E., Inglewood, assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Brush attachment for vacuum cleaners. 149,060, Mar. 23.
- Harvuot, Richard E., Inglewood, assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Drink dispenser cabinet. 149,942, June 15.
- Harwell, Gordon L., assignor to Converted Rice, Inc., Houston, Tex. Pin. 150,356, July 27.
- Haskell, Edward F., New York, N. Y. Cake of soap. 150,695, Aug. 24.
- Hatch, Arlton N.: *See*—Clauser, Milton U., and Hatch.
- Hatcher, Betty D., Harvey, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,636, May 18.
- Hathaway, William R., West Haven, assignor to United Advertising Corporation, New Haven, Conn. Barbecue grill. 151,344, Oct. 12.
- Haugard, Hans H., Little Falls, N. Y. Traffic signal light. 150,229, July 13.
- Hauser, John W.: *See*—Bjorncrantz, Carl G., and Hauser.
- Hauser, Jon W., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Water heater. 151,987, Dec. 7.
- Haviland, Glenford M., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 151,345, Oct. 12.
- Hawkins, Douglas F., Los Angeles, and W. A. Moore, West Hollywood, assignors to Wm. R. Whittaker Co., Ltd., Los Angeles, Calif. Camera. 150,135, July 6.
- Hay, Daisy B., Anniston, Ala. Combined soap cakes and display package unit. 149,873, June 8.
- Hay, Daisy B., Anniston, Ala. Combined soap cakes and display package unit. 149,874, June 8.
- Hay, Daniel C., Santa Monica, Calif. Pull for doors and the like. 152,198, Dec. 28.
- Hayes, Bernard L.: *See*—Bunn, Robert D., and Hayes.
- Hayes, Bertram H., Leominster, Mass., and R. G. Pierson, Jr., New York, N. Y., assignors to Arlington Chair Co., Gardner, Mass. High chair. 149,637, May 18.
- Hayman, Fred J., Forest Hills, N. Y. Combined cigar, cigarette, and match holder. 151,513, Oct. 26.
- Hayman, Fred J., Forest Hills, N. Y. Dental dispensing unit. 151,988, Dec. 7.
- Hayner, Charles W., administrator: *See*—Brannon, Herbert E.
- Hays, Roy W., Rockford, Ill. Wiener cooker. 150,012, June 22.
- Hazelton, Charles J., Tournapull, Ga. Tape dispenser frame. 150,498, Aug. 10.
- Hecht, Jack F., Chicago, Ill. Combination television lens and mounting means therefor. 150,136, July 6.
- Hefferan, Robert F.: *See*—Anderson, Lloyd L., and Hefferan.
- Heider, Theodore P., East Orange, N. J. Sewing kit. 149,638, May 18.
- Heim, Jacques, Paris, France. Combined bottle and stand therefor. 150,499, Aug. 10.
- Heineke, Henry L., Springfield, Ill. Scythe. 150,570, Aug. 17.
- Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 150,137, July 6.
- Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 151,346, Oct. 12.
- Heintzelman, Leo A., Grand Rapids, Mich. Paring knife. 151,238, Oct. 5.
- Helehan, Marie L., Portland, Oreg. Combined flag and staff therefor. 149,639, May 18.
- Heller, David, New York, N. Y. Household duster. 151,623, Nov. 2.
- Heller, Harold S., Cleveland Heights, Ohio. Stapling machine or similar article. 151,692, Nov. 9.
- Henkel, Andrew L., Chicago, Ill. Tire holder. 148,538, Feb. 3.
- Henne, Julius A., Rochester, assignor to Webster Industries, Inc., New York, N. Y. Photographic film camera. 149,267, Apr. 13.
- Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Automobile. 150,571, Aug. 17.
- Hedquist, Milton T., and J. Haley, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor. 148,299, Jan. 6.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,062, Mar. 23.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,063, Mar. 23.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,064, Mar. 23.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,065, Mar. 23.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,268, Apr. 13.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 149,353, Apr. 20.
- Herbst, John, New York, N. Y. Perfume bottle stopper or similar article. 150,068, June 29.
- Herbster, George B., assignor to Elk-Manster, Inc., Cleveland, Ohio. Combined air circulator and diffuser. 150,357, July 27.
- Herman, Fred, Cleveland, Ohio. Wrench. 148,621, Feb. 10.
- Herman, Irving, Chicago, Ill. Automobile seat cover or similar article. 148,352, Jan. 13.
- Herman, Irving, Chicago, Ill. Automobile seat cover or similar article. 148,353, Jan. 13.
- Herrera, Mauro, Jr., Hollywood, Calif. Container for liquid cosmetics. 150,854, Sept. 7.
- Herter, Albert H.: *See*—Zeller, Henry, and Herter.
- Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Camera. 150,230, July 13.

- Herzog, Herman, Detroit, Mich. Mechanical toy bird figure. 148,354, Jan. 13.
- Healy, Edward, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp break. 150,013, June 22.
- Hess, Frederick P., and H. A. Wormeck, assignors to The Enterprise Manufacturing Co., Philadelphia, Pa. Food chopper. 151,514, Oct. 26.
- Hettrich Manufacturing Company, The, assignee: *See*—Smith, William I.
- Hewitt, Elmer S., Wilmette, assignor to Electric-Aire Engineering Corporation, Chicago, Ill. Electric drier casing. 151,515, Oct. 26.
- Hewitt, Norman B., Sunbury-on-Thames, England. Spot lamp or similar article. 149,124, Mar. 30.
- Hibbard, Hall L., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Cargo compartment for airplanes or similar device. 149,555, May 11.
- Hickman, Bertram M., London, England. Child's brick. 148,930, Mar. 9.
- Hickok, Ward, assignee: *See*—Boysler, Hudson B.
- Hicks, Ford S., Tucson, Ariz. Mantle ornament or similar article. 149,943, June 15.
- Highway Trailer Company, assignee: *See*—Stephen, James.
- Hilenski, Ferdinand A., Salem, Mass. Float for bar soap or the like. 150,766, Aug. 31.
- Hilenski, Ferdinand A., Salem, Mass. Support for a soap tray or the like. 151,126, Sept. 23.
- Hilkemeier, Louis G., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 148,539, Feb. 3.
- Hilkemeier, Louis G., West Allis, Wis., and O. R. Knab, Cassopolis, Mich., assignors to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 148,540, Feb. 3.
- Hill, Carson E., Ferndale, Mich. Combined fishing rod handle and reel. 150,951, Sept. 14.
- Hill, Robert H., Fort Wayne, Ind. Tractor cab. 148,417, Jan. 20.
- Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Floor lamp. 149,875, June 8.
- Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Floor lamp. 149,876, June 8.
- Hiller, Harold J., Lancaster, Ohio. Hobbyhorse. 149,269, Apr. 13.
- Hillman, Pauline, Hillside, N. J. Escutcheon for door bell push buttons. 148,622, Feb. 10.
- Hill-Rom Company, Inc., assignee: *See*—Burst, Francis J.
- Hillenbrand, William A., and Burst.
- Hiltbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld, Inc., New York, N. Y. Ornament for handbags or the like. 148,468, Jan. 27.
- Hingelberg, Vilhelm, Aarhus, Denmark. Wine pitcher. 148,623, Feb. 10.
- Hingelberg, Vilhelm, Aarhus, Denmark. Knife or similar article. 149,489, May 4.
- Hingelberg, Vilhelm, Aarhus, Denmark. Combined tea urn and stand. 151,239, Oct. 5.
- Hirsch, Mahlon E., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 151,989, Dec. 7.
- Hobar Corporation, assignee: *See*—Baron, Leonard.
- Hobart Brothers Company, The, assignee: *See*—Hobart, Edward A., and Flora.
- Hobart, Edward A., and R. T. Flora, assignors to The Hobart Brothers Company, Troy, Ohio. Electric welder. 150,358, July 27.
- Hobart Manufacturing Company, The, assignee: *See*—Meeker, David A., and Allen.
- Meeker, David A., Fox, and Sullenberger.
- Norman, Arthur W.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,490, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,491, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,492, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,493, May 4.
- Hobe, Sylvia, New York, N. Y. Earring or similar article. 149,494, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,495, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,496, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,497, May 4.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,746, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,747, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 147,748, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,749, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,750, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,751, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,752, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 149,753, May 25.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,359, July 27.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,855, Sept. 7.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,856, Sept. 7.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,857, Sept. 7.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,858, Sept. 7.
- Hobe, Sylvia, New York, N. Y. Brooch pin or similar article. 150,859, Sept. 7.
- Hobé, William W., New York, N. Y. Brooch or similar article. 151,990, Dec. 7.
- Hobé, William W., New York, N. Y. Brooch or similar article. 151,991, Dec. 7.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,071, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,072, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,073, Dec. 14.
- Hobé, William W., New York, N. Y. Necklace or similar article. 152,074, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,075, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,076, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,077, Dec. 14.
- Hobé, William W., New York, N. Y. Bracelet or similar article. 152,078, Dec. 14.
- Hobé, William W., New York, N. Y. Bracelet or similar article. 152,079, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,080, Dec. 14.
- Hobé, William W., New York, N. Y. Bracelet or similar article. 152,081, Dec. 14.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,082, Dec. 14.
- Hobé, William W., New York, N. Y. Necklace. 152,083, Dec. 14.
- Hobé, William W., New York, N. Y. Necklace. 152,084, Dec. 14.
- Hobé, William W., New York, N. Y. Necklace. 152,085, Dec. 14.
- Hobé, William W., New York, N. Y. Necklace or similar article. 152,086, Dec. 14.
- Hochbaum, Norman, New York, N. Y. Slip. 151,992, Dec. 7.
- Hockery, John C., assignee: *See*—Travis, Albert M.
- Hockery, John C., assignee, trustee: *See*—Majewski, Joseph M., Jr., and Whitfill.
- Talge, Henry J.
- Talge, Henry J., and Whitfill.
- Travis, Albert M.
- Hodge, G. Howard, New York, N. Y. Hat. 151,127, Sept. 28.
- Hodge, G. Howard, New York, N. Y. Hat. 151,128, Sept. 28.
- Hodge, G. Howard, New York, N. Y. Hat. 151,129, Sept. 28.
- Hodge, T. Barry, Chicago, Ill. Container for toys and the like. 148,700, Feb. 17.
- Hoe, R., & Co., Inc., assignee: *See*—Huck, William F.
- Hoecke, Anton, Providence, R. I., assignor to Clark & Coombs Company. Ring or similar article. 150,952, Sept. 14.
- Hoeckele, Karl F., Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc. Ear clip finding. 151,130, Sept. 28.
- Hoeker, Bert: *See*—Anderson, Robert I., and Hoeker.
- Hoelzer, William F., Greensburg, assignor to Pennsylvania Rubber Company, Jeannette, Pa. Vehicle tire. 149,498, May 4.
- Hoffman, Frederick C., Los Angeles, Calif. Trailer. 148,300, Jan. 6.
- Hoffman, Frederick C., Los Angeles, assignor to Aero Lines, Van Nuys, Calif. House trailer. 148,701, Feb. 17.
- Hoffmann, William E., assignor to Timely Toys, Inc., St. Louis, Mo. Toy automobile. 152,154, Dec. 21.
- Hoffman Radio Corporation, assignee: *See*—Portanova, Joseph D.
- Hoffschmidt, Edward, assignor to David Greenhouse, Brooklyn, N. Y. Brooch or similar article. 150,767, Aug. 31.
- Hohmann, Albert F.: *See*—Cooper, Benjamin, Hohmann, and Bach.
- Holan, James H., Jr., Rocky River, and H. J. Troche, Cleveland Heights, assignors to The American Coach & Body Company, Cleveland, Ohio. Vehicle body. 148,541, Feb. 3.
- Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Comb. 150,231, July 13.
- Holden, Elaine E., Lancaster, Pa. Beverage stirrer. 149,499, May 4.
- Holden, Florence P., Los Angeles, Calif. Display container. 150,500, Aug. 10.

- Hollander, Lawrence, assignor to Stamping Products & Mfg. Co., Detroit, Mich. Child's rocker. 149,500, May 4.
- Hollett, Lloyd, Chicago, Ill. Combined stand and perfume bottles. 150,138, July 6.
- Holley, Selwyn B., assignee, et al.: *See*—Norman, Bert T.
- Holley, Vernal M., assignee, et al.: *See*—Norman, Bert T.
- Hollis, Morton, Brookline, Mass., assignor to Axel Bros., Long Island City, N. Y. Ring box. 149,813, June 1.
- Holmgren, Gustave, Sheboygan Falls, Wis. Mailbox or similar article. 148,702, Feb. 17.
- Hollstein, Fritz, West New York, N. J. Plastic fabric. 149,354, Apr. 20.
- Hollstein, Fritz, West New York, N. J. Plastic fabric. 149,355, Apr. 20.
- Holzman, Max, New York, N. Y. Handbag. 149,640, May 18.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,355, Jan. 13.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,356, Jan. 13.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,357, Jan. 13.
- Hooven, Howard, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,624, Feb. 10.
- Hoover Company, The, assignee: *See*—Dreyfuss, Henry.
- Hoover, Walter S., South Newfane, Vt. Helicopter. 151,347, Oct. 12.
- Hope, Samuel N.: *See*—Coffin, Austin E., and Hope.
- Hopkins, Horner H., assignor to Cobbs-Hopkins Company, Des Moines, Iowa. Cabinet. 148,789, Feb. 24.
- Hopkins, Horner H., assignor to Cobbs-Hopkins Company, Des Moines, Iowa. Razor and blade holder. 148,931, Mar. 9.
- Hoppe, Arthur P., Salisbury, Md. Casing for service station dispensing apparatus. 151,759, Nov. 16.
- Horner, John L., Los Angeles, Calif. Handbag. 150,860, Sept. 7.
- Hoshafian, Lucy, New York, N. Y. Dress. 150,768, Aug. 31.
- Hoskins, Herschel R., and F. M. Small, Los Angeles, Calif. Game board. 150,295, July 20.
- Hotchkiss, E. H., Company, The, assignee: *See*—Peterson, Roy E.
- Hotchkiss Realty Corporation, assignee: *See*—Peterson, Roy E.
- Hotel Radio Corporation, assignee: *See*—Wind, Nathan.
- Houston Corporation, The, assignee: *See*—Houston, Herbert W.
- Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Camera dolly. 149,412, Apr. 27.
- Hovey, C. Earl, assignee: *See*—Thomson, Ernest F.
- Howard, Richard J., St. Louis, Mo. Incense burner. 148,418, Jan. 20.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Alphabet for forming monograms or similar article. 151,993, Dec. 7.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Alphabet for forming monograms or similar article. 151,994, Dec. 7.
- Howe Scale Company, The, assignee: *See*—Singleton, Lester D.
- Howel, Clayton J., assignor to Wonder Orange Company, Chicago, Ill. Bottle. 148,301, Jan. 6.
- Howlett, William P., assignee: *See*—Stevens, Clifford B.
- Howser, Claude M., Santa Barbara, Calif., assignor to California Thimble Corporation. Finger-shaped thimble. 150,696, Aug. 24.
- Hruska, Lee J., Lutherville, and W. W. Garbutt, Baltimore, assignors to Bendix Aviation Corporation, Towson, Md. Communications unit or the like. 150,861, Sept. 7.
- Hubbard, Flavius B., Auburn, assignor to Webster Rubber Company Sabattus, Maine. Shoe sole or similar article. 151,043, Sept. 21.
- Hubbard, Francis C., Minneapolis, Minn. Lawn sprinkler. 150,296, July 20.
- Hubbell, Harvey, Incorporated, assignee: *See*—Florian, Gordon W.
- Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Routing machine. 151,044, Sept. 21.
- Hudson, Jesse B., Philadelphia, Pa. Can opener. 149,754, May 25.
- Hudson, William P., Hawthorne, N. J. Tablecloth or the like. 148,358, Jan. 13.
- Huff, William H., Kansas City, Mo. Rotary mower housing. 151,045, Sept. 21.
- Huff, William H., Kansas City, Mo. Rotary mower housing. 151,046, Sept. 21.
- Huffman, Wilson K., Baltimore, Md. Picture frame. 149,944, June 15.
- Hulyk, Myron, assignor to General Motors Corporation, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 150,769, Aug. 31.
- Hulyk, Myron, assignor to General Motors Corporation, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 150,770, Aug. 31.
- Hupfeldt, Herbert H., assignee, et al.: *See*—Warch, John A.
- Huppert, William, New York, N. Y. Electrical plug cap. 150,069, June 29.
- Hunau, Lillian, Brooklyn, N. Y. Brassière. 151,760, Nov. 16.
- Huppert, William, New York, N. Y. Electrical push button cover plate. 152,087, Dec. 14.
- Hurlbut, Gordon K.: *See*—Ward, Vincent S., and Hurlbut.
- Hurley, Jason G., Chicago, Ill. Portable washing machine. 150,014, June 22.
- Hurwitz, Bernard, New York, N. Y. Dress. 148,857, Mar. 2.
- Hurwitz, Bernard, New York, N. Y. Dress. 148,990, Mar. 16.
- Hutcheson, Ray R., Brooklyn, N. Y. Combined electric switch and rheostat. 148,469, Jan. 27.
- Hutcheson, Ray R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Grille for an electric fan and the like. 148,542, Feb. 3.
- Hutcheson, Ray R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Casing for heater fan unit. 150,360, July 27.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera plate. 148,790, Feb. 24.
- Hutchinson, Roy A., Columbus, Ohio. Scribing tool. 150,297, July 20.
- Hutsell, Thomas A., Renton, Wash. Golf bag cart. 150,572, Aug. 17.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,641, May 18.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,642, May 18.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,643, May 18.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,644, May 18.
- Hvale, James L., Chicago, and R. A. Murray, Evanston, assignors to Ekco Products Company, Chicago, Ill. Handle for knives and forks and similar articles. 149,814, June 1.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 151,761, Nov. 16.
- Hyde, Robert W., Teaneck, N. J. Soldering tool. 149,815, June 1.
- Hygrade Industries, Inc., assignee: *See*—Wolanske, Raymond.
- Hyman, Chester, assignee: *See*—Miller, Judd L.
- I. T. S. Company, assignee: *See*—Wager, Sidney G.
- Ideal Novelty & Toy Co., assignee: *See*—Baggott, Edmund W.
- Shrier, Martin.
- Illinois Watch Case Co., assignee: *See*—King, David M., and Wewetzer, Albert.
- Imón, Jaye, Inc., assignee: *See*—Schaefer, Jessie, and Imón.
- Imón, Hyman G.: *See*—Schaefer, Jessie, and Imón.
- Imperial Pearl Co., Inc., assignee: *See*—Pearsall, Frederick J.
- Industrial Brownhoist Corp., assignee: *See*—Taylor, Ernest W.
- Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Utility cabinet. 151,624, Nov. 2.
- Ingham, Herbert S., Roslyn Estates, N. Y. Heat fusible material spray gun. 150,953, Sept. 14.
- Ingle, Orlando F., Richmond, assignor to H. T. King, Union City, and T. I. King, Centerville, Ind. Bicycle headlight. 149,182, Apr. 6.
- Ingram, Carl B., El Monte, and C. T. Ingram, Los Angeles, Calif. Vegetable cutter. 148,703, Feb. 17.
- Ingram, Chester T.: *See*—Ingram, Carl B. and C. T.
- Ingram, Frederick B., Rock Island, Ill. Picture viewer. 150,573, Aug. 17.
- Inskeep, Oliver W., assignor to Harris Manufacturing Company, Stockton, Calif. Two-wheel trailer. 151,240, Oct. 5.
- Instrumentaktiebolaget J. A. Palm, assignee: *See*—Kihlberg, Åke J. E.
- International Business Machines Corporation, assignee: *See*—Clement, Theodore G.
- Grover, Frederic S.
- Grover, Frederic S., and Maier.
- Kress, George H.
- Kress, George H., and Sundberg.
- International Engraving Machine Corp., assignee: *See*—Brohawn, Philip J.

- International Harvester Company, assignee: *See*—
Koeber, Theodore H.
- International Silver Company, The, assignee: *See*—
Conroy, Edward J.
- Dabrowski, Alexandra A.
- Interstate Aircraft and Engineering Corp., assignee: *See*—
Harvuot, Richard E.
- Irwin, Neel S., Weaverville, N. C. Sectional display table. 148,858, Mar. 2.
- Irwin, Neel S., Weaverville, N. C. Sectional display stand. 148,859, Mar. 2.
- Irwin, Neel S., Weaverville, N. C. Sectional display stand unit. 150,954, Sept. 14.
- Iskvan, John A., Forest Hills, N. Y. Bathroom fixture. 150,771, Aug. 31.
- Ivelow, Constantine G., La Salle, Ill. Cloak rack or the like. 149,816, June 1.
- Jack & Heintz Precision Industries, Inc., assignee: *See*—
Neff, Joseph J.
- Scofield, Philip F., and Keistman.
- Sonnhalter, John E.
- Jackson, George M., Lake Forest, assignor to Design Fabricators, Inc., Chicago, Ill. Ash tray. 150,361, July 27.
- Jackson, George M., Lake Forest, assignor to Design Fabricators, Inc., Chicago, Ill. Ash tray. 150,362, July 27.
- Jackson, George M., Lake Forest, assignor to Design Fabricators, Inc., Chicago, Ill. Ash tray. 150,363, July 27.
- Jackson, George M., Lake Forest, assignor to Design Fabricators, Inc., Chicago, Ill. Ash tray. 150,364, July 27.
- Jackson, Jules, Great Neck, N. Y. Carded two-piece hair ornament. 150,862, Sept. 7.
- Jackson, Robert C., Westerville, Ohio. Pan lifter or similar article. 149,817, June 1.
- Jackson, Robert O., Highland Park, Mich. Combined tricycle and wagon. 149,413, Apr. 27.
- Jackson, Walter S., assignor to Twayne Cosmetic Co., Passaic, N. J., a copartnership composed of W. S. Jackson and W. Brooks. Cap for a twin lipstick. 150,139, July 6.
- Jacobs, Earl E., Dayton, Ohio. Knife sharpener. 150,955, Sept. 14.
- Jacobson, Charles J., Washington, D. C. Serving tray. 148,419, Jan. 20.
- Jacobson, Virginia J., San Diego, Calif. Clothespin. 149,755, May 25.
- Jacobson, Herbert, New York, N. Y. Jewel box or the like. 148,991, Mar. 16.
- Jacobson, Herbert, New York, N. Y. Jewel box or the like. 148,992, Mar. 16.
- Jacobson, Louis, New York, N. Y. Spectacle frame. 151,693, Nov. 9.
- Jacoff, Sydney, Kew Gardens, N. Y. Screw driver. 152,155, Dec. 21.
- Jahn, Herbert, Garfield, and C. S. Zarembo, Paterson, N. J., assignors to Cascade Plastics Inc. Sewing box. 149,414, Apr. 27.
- Jahn, Herbert, Garfield, and C. S. Zarembo, Patterson, N. J., assignors to Cascade Plastics Inc. Fly swatter. 152,088, Dec. 14.
- Jahn, Walter K., Beverly Hills, assignor to New Plastic Corporation, Los Angeles, Calif. Combined napkin and coaster tray. 150,772, Aug. 31.
- Jalof, William R., Los Angeles, Calif. Combined pencil sharpener and eraser. 149,356, Apr. 20.
- Jamme, Zia H.: *See*—
Bookman, Charles F., Jr., and Jammé.
- James, Russel E., Guthrie, Okla. Roll tissue holder. 150,417, Aug. 3.
- Janes, John M., Beardstown, Ill. Clock or similar article. 150,574, Aug. 17.
- Jansen, Norma E., Oakland, Calif. Brooch or similar article. 149,183, Apr. 6.
- Jantzen Knitting Mills, assignee: *See*—
Wiechmann, Berte A., and Robson.
- Jaros, Lawrence, Chagrin Falls, Ohio. Shut-off valve. 149,818, June 1.
- Jay, Benjamin E., assignor to William Jay Emanuel Co., New York, N. Y., a partnership composed of B. F. Jay, R. and W. J. Emanuel. Combination piano and xylophone unit. 150,575, Aug. 17.
- Jaye, Eli, New York, N. Y. Musical cigarette box or similar article. 149,501, May 4.
- Jaye, Frank C., Cleveland Heights, assignor to The Co-Operative Bicycle Manufacturing Company, Cleveland, Ohio. Bicycle. 149,556, May 11.
- Jebiley, Jessie, and S. Haddad, Tenafly, N. J. Rag rug. 148,420, Jan. 20.
- Jenkins, Willard C., Wilmington, Del. Combined dial and hands for a clock. 152,199, Dec. 28.
- Jenkins, William E., Sierra Madre, Calif. Combined coaster and ash tray. 151,449, Oct. 19.
- Jenks, Albert L., Dixon, assignor to Motorola, Inc., Chicago, Ill. Radio receiver cabinet. 151,241, Oct. 5.
- Jenks, Albert L., Dixon, assignor to Motorola, Inc., Chicago, Ill. Radio receiver cabinet. 152,156, Dec. 21.
- Jensen, Donald G., assignor to The Cincinnati Iron Fence Company-Save-a-Sink, Cincinnati, Ohio. Combined portable drainboard, serving tray, and cooling rack. 151,047, Sept. 21.
- Jessen, Arnold H., Los Angeles, Calif. Carrier for golf clubs. 149,557, May 11.
- Jewett & Sherman Co., Inc., assignee: *See*—
Smith, Frasier.
- Jiffy Jet, Inc., assignee: *See*—
Young, Donald R.
- Joelson, John, New York, N. Y. Combined holder for picture and perfume containers. 148,359, Jan. 13.
- Johansen, Allan V., Lynbrook, N. Y. Tool for opening bottles, jars, and the like. 149,645, May 18.
- Johanson, John E., and F. O. Boyd, Boonton, N. J. Sun watch. 150,298, July 20.
- Johndraw, Wilbur, Buffalo, N. Y. Paint spraying device or similar article. 151,450, Oct. 19.
- Johns, Juliana G., Orange, N. J. Novelty soap and wash cloth display device. 149,125, Mar. 30.
- Johns, Roland B., Cleveland, Ohio. Vignetter screen. 148,470, Jan. 27.
- Johnson & Johnson, assignee: *See*—
Rosengren, Herbert.
- Johnson, Bertie J., San Luis Obispo, Calif. Lady's emblematic cap. 150,773, Aug. 31.
- Johnson, Charles B., Los Angeles, Calif. Perfume bottle or similar article. 148,704, Feb. 17.
- Johnson, Dan R., Los Angeles, Calif. Coffee table or similar article. 150,365, July 27.
- Johnson, Hubert, Lead, S. Dak. Wall plaque. 148,543, Feb. 3.
- Johnson, Leon D., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Control knob or similar article. 149,415, Apr. 27.
- Johnson, Orric V., Erie, Pa. Clothespin. 149,877, June 8.
- Johnson, Robert E., Boulder, Colo. Toy glider. 148,421, Jan. 20.
- Johnson, Wallace G., Baldwin Park, Calif. Instrument key guard or similar article. 150,299, July 20.
- Johnston, Reece W., and J. C. Roberts, Fort Worth, Tex. Watch standard. 148,993, Mar. 16.
- Jolley, Geraldine H., San Francisco, Calif. Novelty box. 149,184, Apr. 6.
- Jones, Charles E., Chicago, Ill. Desk. 149,416, Apr. 27.
- Jones, Charles E., Chicago, Ill. Desk. 149,417, Apr. 27.
- Jones, Charles E., Chicago, Ill. Desk. 149,418, Apr. 27.
- Jones, Frank B.: *See*—
Lambourn, Leonard J., and Jones.
- Jones, Ira M., assignee: *See*—
Benson, Donald O.
- Jones, John E., assignor to James C. Whittaker Co., Inc., Long Beach, Calif. Boat. 151,242, Oct. 5.
- Jones, Llewellyn T., Akron, Ohio. Hand protecting grip. 152,157, Dec. 21.
- Jones, Louis W., Cleveland, Ohio. Combined iron rest and cord take-up. 149,647, May 18.
- Jones, Richard C., assignor to Associated Products, Inc., Chicago, Ill. Base for a lipstick holder. 150,863, Sept. 7.
- Jones, Russell G., Reading, assignor to William B. Berry Company, Boston, Mass. Display dispenser. 151,048, Sept. 21.
- Jones, Theodore C., Louisville, Ky. Electrolytic water correction device. 151,243, Oct. 5.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medallion or similar article. 148,860, Mar. 2.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medal or similar article. 148,861, Mar. 2.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medallion or similar article. 149,646, May 18.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medal or similar article. 149,648, May 18.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medal or similar article. 149,756, May 25.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medal or similar article. 149,757, May 25.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Medallion or similar article. 149,758, May 25.
- Jones, Thomas H., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Medallion or similar article. 149,945, June 15.
- Jones, Thomas H., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Medal or similar article. 149,946, June 15.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Army. Medal or similar article. 150,070, June 29.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America, as represented by the Secretary of the Army. Medallion or similar article. 150,071, June 29.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Funeral urn or similar article. 150,232, July 13.
- Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Funeral urn or similar article. 150,233, July 13.
- Jones, Vincent W., Cleveland Heights, Ohio. Pipe. 149,819, June 1.

- Jones, W. Henderson, assignee: *See*—
Schaefer, Herman W.
- Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Combined shrine or similar article and case therefor. 149,126, Mar. 30.
- Jordan, Peter P.: *See*—
Kahlen, Fritz, and Jordan.
- Jordan, R. M., & Company, Inc., assignee: *See*—
Brown, Violet.
- Jordanoff Corporation, assignee: *See*—
Meagher, Fred L.
- Jordon, R. M., & Company, Inc., assignee: *See*—
Casciano, Augustus.
- Jorgenson, William J., Los Angeles, Calif. Pin. 151,348, Oct. 12.
- Josephian, William, Oakland, Calif. Trailer. 151,349, Oct. 12.
- Joy Manufacturing Company, assignee: *See*—
Curtis, John C.
- Ju-C-Orange of America, assignee: *See*—
D'Addario, Thomas D.
- Judd, Beatrice, Richmond, Va. Pin-up hat tree. 150,697, Aug. 24.
- K. & S. Corp., assignee: *See*—
Sklaar, Richard.
- Kabase, Frank E., Birmingham, Ala. Cradle. 150,956, Sept. 14.
- Kadleck, Lewis L., Fort Worth, Tex. Door pull. 151,131, Sept. 28.
- Kagan, Max, assignor to Penobscot Shoe Company, Old Town, Maine. Shoe. 149,419, Apr. 27.
- Kahlen, Fritz, New York, and P. P. Jordan, Jackson Heights, N. Y.; said Jordan assignor to said Kahlen. Combined bottle opener and cork remover. 150,957, Sept. 14.
- Kalech, Lee A.: *See*—
Ostrander, Albert A., and Kalech.
- Kalla Co., The, assignee: *See*—
Darr, Harold W.
- Kalnitz, Nelson, Buffalo, N. Y. Alphabet. 148,791, Feb. 24.
- Kalow, Ludwig J., assignor to Trine Manufacturing Corporation, New York, N. Y. Push-button switch or similar article. 150,576, Aug. 17.
- Kamb, Francis D.: *See*—
Meteyer, Victor S., and Kamb.
- Kammermeyer, George C., St. Louis, Mo. Tripod for photographic purposes. 149,878, June 8.
- Kane, David, Chicago, Ill. Combined container and wrench set unit. 148,422, Jan. 20.
- Kansteiner, Walter P., Columbus, Tex. Rug. 148,625, Feb. 10.
- Kaplan, Barnett D., New York, assignor of one-half to A. Weiner, Brooklyn, N. Y. Hygienic soap dish. 149,066, Mar. 23.
- Kaplan, David, New York, N. Y. Candle holder. 148,932, Mar. 9.
- Kaplan, Karl, New York, N. Y. Ship. 151,887, Nov. 30.
- Kaplowitz, Morris, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp. Camera. 148,544, Feb. 3.
- Kapphan, Elwood D., Fort Lauderdale, Fla., assignor of one-half to E. B. Goldsmith, Pittsburgh, Pa. Grand piano. 152,089, Dec. 14.
- Karagozian, Mike, Los Angeles, Calif. Toilet bowl brush receptacle. 151,762, Nov. 16.
- Karakash, Paul, Eddystone, Pa. Whirligig. 149,947, June 15.
- Karleen, Edward H., Morris Township, Morris County, assignor to Karleen, Incorporated, Morris Plains, N. J. Adjustable line connector. 148,933, Mar. 9.
- Karleen, Incorporated, assignee: *See*—
Karleen, Edward H.
- Karlin, Shirley, Bronx, N. Y. Gift wrapping paper. 150,015, June 22.
- Karlstad, Andrew C., Sherman Oaks, assignor to J. L. Fouch, Inglewood, Calif. Illuminable switch plate. 148,302, Jan. 6.
- Karp, Aaron, New York, N. Y. Eyeglass case. 150,577, Aug. 17.
- Karp, Edward C., Belvidere, Ill. Meat saw. 150,958, Sept. 14.
- Karp, Edward C., Belvidere, Ill. Scale. 151,350, Oct. 12.
- Karstadt, Clarence, Glen Ellyn, Ill., assignor to Noblitt Sparks Industries, Incorporated, Columbus, Ind. Toaster. 149,127, Mar. 30.
- Karstadt, Clarence, Glen Ellyn, Ill. Electric cooking appliance. 152,090, Dec. 14.
- Karstadt, Clarence, Glen Ellyn, Ill. Electric cooking appliance. 152,091, Dec. 14.
- Karstadt, Clarence, Glen Ellyn, Ill. Food mixer. 152,158, Dec. 21.
- Kartarik, Incorporated, assignee: *See*—
Kartarik, Rudolph.
- Kartarik, Rudolph, Olomouc, Czechoslovakia, assignor to Kartarik, Incorporated, St. Paul, Minn. Tricycle. 149,502, May 4.
- Kasin, Vincent A., Hollywood, Calif. Salt shaker. 148,862, Mar. 2.
- Kasket, Guenther G. and M., New York, N. Y. Shoe. 149,759, May 25.
- Kasket, Margot: *See*—
Kasket, Guenther G. and M.
- Kasnicka, Edward J., Los Angeles, Calif. Automobile or similar article. 150,578, Aug. 17.
- Kasten, Walter, Franklin, and A. E. Mason, Belleville, Mich. Toy mangle. 148,303, Jan. 6.
- Kately, Mathias J., and E. M. Peckwas, assignors to P. S. Ricchiuti, Chicago, Ill. External dome light for automotive vehicles. 151,351, Oct. 12.
- Katshen, Bernard, Sr., San Francisco, Calif. Napkin holder. 149,185, Apr. 6.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,304, Jan. 6.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,305, Jan. 6.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,306, Jan. 6.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 148,360, Jan. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,361, Jan. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,362, Jan. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,363, Jan. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,364, Jan. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,423, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,424, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,425, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,426, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,427, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,428, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,429, Jan. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,471, Jan. 27.
- Katz, Adolph, Providence, R. I. Earring or similar article. 148,472, Jan. 27.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,545, Feb. 3.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,546, Feb. 3.
- Katz, Adolph, Providence, R. I. Brooch or similar article. 148,547, Feb. 3.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,548, Feb. 3.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,792, Feb. 24.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,793, Feb. 24.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 148,863, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,864, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 148,865, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,866, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 148,867, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,868, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,869, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,870, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 148,871, Mar. 2.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 148,872, Mar. 2.

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- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,831, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,832, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,833, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,834, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,835, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,836, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,837, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,838, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,839, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,840, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,841, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,842, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,843, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,844, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,845, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,846, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,847, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 151,848, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,849, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,850, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 151,851, Nov. 23.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,888, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,889, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,890, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,891, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,892, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,893, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,894, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,895, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,896, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,897, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,898, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 151,899, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 151,900, Nov. 30.
- Katz, Adolph, Providence, R. I. Necklace or similar article. 151,901, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,902, Nov. 30.
- Katz, Adolph, Providence, R. I. Bracelet or similar article. 151,903, Nov. 30.
- Katz, Adolph, Providence, R. I. Bracelet or similar article. 151,904, Nov. 30.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Revolving brooch or similar article. 151,995, Dec. 7.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,996, Dec. 7.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,997, Dec. 7.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,998, Dec. 7.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 151,999, Dec. 7.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,092, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,093, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,094, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,095, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,096, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,097, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,098, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,099, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,100, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,101, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,102, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,103, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,104, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,105, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Combined brooch and locket. 152,106, Dec. 14.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,107, Dec. 14.
- Katz, Benjamin, New York, N. Y. Trundle toy or similar article. 149,129, Mar. 30.
- Katzenberger, Edward F., and M. E. Gluhareff, Bridgeport, assignors to United Aircraft Corporation, East Hartford, Conn. Helicopter. 149,130, Mar. 30.
- Kaufman, Shirley, Brooklyn, assignor to Ed-U-Cards, Inc., New York, N. Y. Set of educational cards. 148,705, Feb. 17.
- Kaufman, Herman, New York, N. Y. Embroidered trimming. 149,271, Apr. 13.
- Kaufman, Louis, New York, N. Y. Handbag. 149,649, May 18.
- Kaufman, Martin, Minneapolis, Minn. Lounge. 151,270, Oct. 5.
- Kaufman, Samuel J., New York, N. Y. Combined clock and supporting easel therefor. 150,987, Sept. 14.
- Kaufman, Paul, New York, N. Y. Pin or similar article. 149,559, May 11.
- Kaufman, Paul, New York, N. Y. Earring or similar article. 149,560, May 11.
- Kaufman, Paul, New York, N. Y. Pin or similar article. 149,821, June 1.
- Kaufman-Ruderman Co. Inc., assignee: See—
Fearn, George E.
- Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Combined lighter and writing implement or similar article. 151,771, Nov. 16.
- Kay, Stanley W.: See—
Haman, Ralph W., and Kay.
- Keane, John A. C., St. Albans, N. Y. Clock. 148,307, Jan. 6.
- Keefer, Leona S., Dayton, Ohio. Clothes hanger. 151,372, Oct. 12.

- Keeler Brass Company, assignee: *See*—
Clark, Earle W.
- Keim, Melville, Chicago, Ill. Combined hunter's belt, shell pocket and game carrier. 150,305, July 20.
- Keistman, Arnold R.: *See*—
Scofield, Philip F., and Keistman.
- Kel, Jay, Inc., assignee: *See*—
Koppell, Arthur W.
- Keller, Edward, Forest Hills, assignor to Ninon Brassiere Mfg. Co., New York, N. Y. Brassiere. 149,561, May 11.
- Keller, Edward, Forest Hills, assignor to Ninon Brassiere Mfg. Co., New York, N. Y. Brassiere. 149,562, May 11.
- Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,794, Feb. 24.
- Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,795, Feb. 24.
- Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 148,796, Feb. 24.
- Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Combination kitchen and laundry unit. 151,455, Oct. 19.
- Keller, Louis P., Chicago, Ill. Panty girdle. 149,822, June 1.
- Kellogg Switchboard & Supply Company, assignee: *See*—
Erickson, Clifford E.
- Kelley, Henry E., Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Straw holder. 151,695, Nov. 9.
- Kelly, John C., Roscoe, Calif. Exhaust pipe fitting. 149,650, May 18.
- Kelly, Miles J., assignor to Cresale Incorporated, Waterbury, Conn. Oval pocket flashlight. 148,879, Mar. 2.
- Kelly, Pascal M., El Paso, Tex. Bridle bit. 151,625, Nov. 2.
- Kemp, Charles B., Detroit, Mich. Water sprinkler. 151,772, Nov. 16.
- Kemper, Robert J., San Carlos, Calif. Pitcher. 152,159, Dec. 21.
- Kendall, William A., Winston-Salem, N. C., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 151,373, Oct. 12.
- Kendall, William A., Winston-Salem, N. C., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 151,374, Oct. 12.
- Kende, George, assignor to Universal Camera Corporation, New York, N. Y. Cabinet for sound reproducing devices. 149,131, Mar. 30.
- Kende, George, assignor to Universal Camera Corporation, New York, N. Y. Cabinet for sound reproducing devices. 149,132, Mar. 30.
- Kennedy, Donald S., North Scituate, Mass. Parabolic reflector for microwave antennae. 150,626, Aug. 17.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air distribution outlet. 149,949, June 15.
- Kenney, Charles V., Chicago, Ill. Combination stroller, rocker, sled, and walker. 148,706, Feb. 17.
- Kent, G. B., & Sons, Limited, assignee: *See*—
Taylor, Robert F.
- Kern, John A., assignor to Atomiko, Inc., Chicago, Ill. Welding transformer. 149,364, Apr. 20.
- Kerr Manufacturing Company, assignee: *See*—
Burnham, Benjamin F.
- Kerr, Roger B.: *See*—
Waggoner, William G., and Kerr.
- Kerr, Roger B., Jamestown, R. I., and W. G. Waggoner, Stamford, Conn., assignors, by mesne assignments, to The Trumbull Electric Manufacturing Company. Electric switch handle. 149,651, May 18.
- Ketcham & McDougall, Inc., assignee: *See*—
McFadyen Richard.
- Ketchum, Gina & Sharp, assignee: *See*—
Ketchum, Morris, Jr., F. X. Gina, and Sharp.
- Ketchum, Morris, Jr., F. X. Gina, and J. S. Sharp, assignors to Ketchum, Gina & Sharp, New York, N. Y. Store back fixture. 149,763, May 25.
- Keuffel & Esser Company, assignee: *See*—
Martin, Raymond I.
- Kewaskum Utensil Company, assignee: *See*—
Oster, Edna M.
- Keystone View Company, assignee: *See*—
Crandall, Charles E.
- Klaschek, Charles, Brooklyn, N. Y., and G. Klashek, London, England. Jewelry charm. 151,696, Nov. 9.
- Klashek, George: *See*—
Klaschek, Charles, and George.
- Kiddie Kookies Co., assignee, et al.: *See*—
Forrer, Walter O.
- Kihlberg, Åke J. E., assignor to Instrumentaktiebolaget J. A. Palm, Stockholm, Sweden. Pencil sharpener. 151,456, Oct. 19.
- Kilgore, Earl J., Evans, Ky. Combined biscuit, doughnut, and pastry cutter. 151,049, Sept. 21.
- Killoran, Rollin H.: *See*—
Cruze, Charles F., and Killoran.
- Kinard, Arthur C., assignor of one-half to L. L. Pyle, El Dorado, Ark. Fish lure. 150,988, Sept. 14.
- Kinfolks Incorporated, assignee: *See*—
Case, J. Elliott and W. J.
- King, David M., Chicago, and A. Wewetzer, Elgin, Ill., assignors to Illinois Watch Case Co. Combined lighter and cigarette case. 151,271, Oct. 5.
- King, Frank H., assignee: *See*—
Cavin, William L.
- King, Herbert T., assignee, et al.: *See*—
Ingle, Orlando F.
- King, T. Ivan, assignee, et al.: *See*—
Ingle, Orlando F.
- King, Theodore T., assignor of forty-nine percent to J. C. Young, Grand Prairie, Tex. Mortar and cement finishing tool. 150,715, Aug. 24.
- Kingston Products Corporation, assignee: *See*—
Dawson, Francis A.
- Kinnard, Wolcott S., Milwaukee, Wis. Tripod. 150,504, Aug. 10.
- Kinoshita, Robert K., assignor to Appliance Corporation of America, Milwaukee, Wis. Casing for a washing machine or the like. 150,140, July 6.
- Kinsley, Felix P., St. Louis, Mo. Finger ring. 149,070, Mar. 23.
- Kinsley, Felix P., St. Louis, Mo. Finger ring. 149,190, Apr. 6.
- Kipness, Joe, New York, N. Y., assignor to Joe Kipness, Inc. Dress ensemble. 149,272, Apr. 13.
- Kipness, Joe, Inc., assignee: *See*—
Kipness, Joe.
- Kipp, Karl, assignor to Daystrom Corporation, Olean, N. Y. Kitchen chair. 149,652, May 18.
- Kipp, Karl, assignor to Daystrom Corporation, Olean, N. Y. Towel rack. 151,272, Oct. 5.
- Kirchhof, Edward A., Altadena, Calif. Table type refrigerator. 151,273, Oct. 5.
- Kirschner, Henry E., St. Joseph, Mo. Hose reel. 151,274, Oct. 5.
- Kirsten, Kurt F. J., Seattle, Wash. Hang-type smoker's pipe. 150,716, Aug. 24.
- Kisling, Jacob W., St. Louis County, Mo. Air circulator. 149,133, Mar. 30.
- Kitterman, Don M., Kansas City, Kans. Fruit juicer. 148,626, Feb. 10.
- Klaine, John H., Fort Thomas, Ky. Wrist sun dial. 150,072, June 29.
- Klassett, George E., Atlanta, Ga. Brake drum truing machine. 148,797, Feb. 24.
- Klebanoff, Bernard B., Philadelphia, Pa. Combined bottle and stopper. 149,950, June 15.
- Klein, Philip: *See*—
Simon, Jacob, and Klein.
- Klemm, Edwin O., Saginaw, Mich. House. 148,365, Jan. 13.
- Klemm, Edwin O., Saginaw, Mich. House. 148,366, Jan. 13.
- Klemm, Edwin O., Saginaw, Mich. House. 148,367, Jan. 13.
- Klemm, Edwin O., Saginaw, Mich. House. 148,368, Jan. 13.
- Kline, Herbert J., Jackson, Mich., assignor, by mesne assignments, to National Die Casting Company, Chicago, Ill. Food chopper and grinder. 150,989, Sept. 14.
- Klingbiel, Augusta A., Los Angeles, Calif. Adjustable screen door panel or similar article. 151,852, Nov. 23.
- Klotz, Carl, assignee: *See*—
Southwell, Ernest E.
- Klotz, Edward C., Jr., Brookfield Township, Waukesha County, Wis., assignor to Picture Recording Company, Chicago, Ill. Automatic slide projector. 149,420, Apr. 27.
- Klotz, Joseph, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 152,160, Dec. 21.
- Kluter, Marlowe H., assignor to The F. & N. Lawn Mower Company, Richmond, Ind. Power lawn mover. 151,275, Oct. 5.
- Knab, Oscar R.: *See*—
Hilkemeier, Louis G., and Knab.
- Knack, Frederick J., New York, N. Y., assignor to Autoging Company of America, Philadelphia, Pa. Rotary winged aircraft. 152,161, Dec. 21.
- Kneser, Arthur H., Milwaukee, Wis. Game of skill. 150,236, July 13.
- Knip, Louis, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Control desk. 149,885, June 8.
- Knip, Louis, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cabinet for radio transmitter. 150,141, July 6.
- Knip, Louis, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone hand set. 152,162, Dec. 21.
- Knight, George C., Detroit, Mich. Vehicle ornament or the like. 150,717, Aug. 24.
- Knorpp Corporation, assignee: *See*—
Knorpp, Maxwell.
- Knorpp, Maxwell, Ozone Park, assignor to Knorpp Corporation, Brooklyn, N. Y. Mounting device. 150,073, June 29.
- Knowles, Frederick G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing machine. 150,074, June 29.
- Knudsen, Elmer M., and A. R. Maier, Webster Groves, Mo. Toy transit. 149,886, June 8.
- Koch, John B., Detroit, Mich., assignor to American Blower Corporation, Wilmington, Del. Ventilating unit. 150,366, July 27.
- Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Freezer chest cabinet. 152,000, Dec. 7.
- Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Combination refrigerator and cooler cabinet. 152,001, Dec. 7.

- Koegel, Ervin C.: *See*—
Guth, Edwin F., and Koegel.
- Koegel, Ervin C., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,369, Jan. 13.
- Koegel, Ervin C., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting fixture. 148,707, Feb. 17.
- Koenig, Charles, Dayton, Ohio. Toothpick dispenser. 151,773, Nov. 16.
- Kohn, Bernard, New York, N. Y. Lapel pin or similar article. 148,549, Feb. 3.
- Kohn, Walter, New York, N. Y. Embroidered lace collar or similar article. 149,421, Apr. 27.
- Kohn, Walter, New York, N. Y. Embroidered lace collar or similar article. 149,422, Apr. 27.
- Kohn, Walter, New York, N. Y. Embroidered lace collar or similar article. 149,423, Apr. 27.
- Koltnow, Harry G., assignor to Kolto Art Products, Inc., New York, N. Y. Picture mounting. 151,375, Oct. 12.
- Kolto Art Products, Inc., assignee: *See*—
Koltnow, Harry G.
- Kompas, Charles, Milwaukee, Wis. Advertising plaque. 149,273, Apr. 13.
- Konelsky, Anna, New York, N. Y. Lady's handbag. 150,878, Sept. 7.
- Kopp, Walter R., New Haven, Conn., assignor to Olin Industries, Inc. Hand lamp switch. 149,951, June 15.
- Koppell, Arthur W., Upper Nyack, assignor to Jay Kel Inc., New York, N. Y. Expandible chain for a bracelet or similar article. 150,505, Aug. 10.
- Koski, Olaf D., Seattle, Wash. Sun-bathing awning. 151,155, Sept. 28.
- Korkmaster Company, The, assignee: *See*—
McDowell, Marshall T.
- Kosloff, Lou, Hollywood, Calif. Saddle. 148,934, Mar. 9.
- Kottle, Edward, Lynbrook, N. Y. Desk calendar. 149,424, Apr. 27.
- Kovar, John R., Anoka, Minn. Snow sled. 149,563, May 11.
- Koven, Marc, New York, N. Y. Jewelry pin. 148,798, Feb. 24.
- Koven, Marc, New York, N. Y. Pendant or similar article. 149,071, Mar. 23.
- Koven, Marc, New York, N. Y. Ring. 149,653, May 18.
- Koven, Marc, New York, N. Y. Ring or similar article. 152,108, Dec. 14.
- Kraft, Marie J., assignor to The Warren Featherbone Co., Three Oaks, Mich. Apron. 151,518, Oct. 26.
- Krag, Erik P., Peoria, Ill., assignor to The Frick-Gallagher Manufacturing Company, Wellston, Ohio. Catalogue rack. 148,473, Jan. 27.
- Krajan, George S., Hatatai, Wellington, New Zealand. Stickpin or similar article. 150,627, Aug. 17.
- Kraske, Delilah: *See*—
Severson, Minnie, and Kraske.
- Kratochvil, Anton, Racine, Wis. Building. 149,887, June 8.
- Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Knob for kitchen utensils. 149,191, Apr. 6.
- Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Percolator top. 149,192, Apr. 6.
- Kreider, Don L., Wadsworth, Ohio. Game board. 151,050, Sept. 21.
- Kreines, Milton H., assignee: *See*—
Sellon, Raymond N.
- Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Epstein, Ralph.
Siska, John G.
- Kreisler Manufacturing Corporation, assignee: *See*—
Davis, Herman S.
- Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Recorder casing or the like. 148,708, Feb. 17.
- Kress, George H., Vestal, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Casing for a recorder or the like. 148,709, Feb. 17.
- Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Hospital patient's call light. 151,626, Nov. 2.
- Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Combined pilot and buzzer station. 151,627, Nov. 2.
- Kress, George H., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record file. 152,163, Dec. 21.
- Krieger, Carl G., Mason City, Iowa. Combined fruit reamer and strainer. 150,990, Sept. 14.
- Kromex Corporation, assignee: *See*—
Ziskin, Manuel S.
- Kronmiller, Carl G., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Clock thermostat. 151,905, Nov. 30.
- Kropp, Willis A., Summit, N. J. Bottle opener. 150,629, Aug. 17.
- Kruck, Ralph E., Clinton, Conn. Applicator for lip rouge or the like. 149,952, June 15.
- Kruck, Ralph E., Clinton, Conn. Lip rouge applicator or the like. 149,953, June 15.
- Kruck, Ralph E., Clinton, Conn. Lip rouge applicator or the like. 149,954, June 15.
- Kruck, Ralph E., Clinton, Conn. Lip rouge applicator or the like. 149,955, June 15.
- Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Heater. 151,156, Sept. 28.
- Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Heater. 151,157, Sept. 28.
- Kruck, Ralph E., Clinton, Conn., assignor to Florence Stove Company, Gardner, Mass. Heater. 151,158, Sept. 28.
- Krueger, Albert R., et al.: *See*—
Krueger, Carl F. and A. R.
- Krueger, Carl F., Webster Groves, and A. R. Krueger, Northwoods, Mo. Refreshment stand. 151,457, Oct. 19.
- Kruger, Maurice J., New York, and S. B. Megdall, Brooklyn; said Kruger assignor to Kruger-Ressner, Inc., and said Megdall assignor to Fulton Frame Mfg. Co., New York, N. Y. Handbag. 149,564, May 11.
- Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Bed lamp bracket. 150,142, July 6.
- Kruger-Ressner, Inc., assignee, et al.: *See*—
Kruger, Maurice J., and Megdall.
- Kuder, Robert C.: *See*—
Boutelle, Allen O., and Kuder.
- Kuhlman, Arthur L., Bay City, Mich. Combination knife, fork, and spoon. 150,630, Aug. 17.
- Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway car. 148,308, Jan. 6.
- Kuhler, Otto, Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Combined seat back and washbasins unit. 148,799, Feb. 24.
- Kuhlman, Florence, New York, N. Y. Handbag or similar article. 148,474, Jan. 27.
- Kunz, Althea W., Minneapolis, Minn. Collapsible crib. 152,002, Dec. 7.
- Kuns, Ray F., Cincinnati, Ohio. Trailer. 148,935, Mar. 9.
- Kurrash, Chester A., Detroit, Mich. Condiment dispenser. 149,425, Apr. 27.
- Kurrie, Oscar P., Dearborn, Mich. Andiron or similar article. 150,631, Aug. 17.
- Kurrie, Oscar P., Dearborn, Mich. Andiron or similar article. 150,632, Aug. 17.
- Kuslich, John S., St. Paul, Minn. Fish lure. 150,431, Aug. 3.
- Kutik, Charles, Paterson, N. J. Cigarette dispenser. 151,376, Oct. 12.
- La Barre, Ernoll W., New York, N. Y., assignor to Bendix Aviation Corporation, Baltimore, Md. Air conditioning control. 150,016, June 22.
- La Barre, Ernoll W., assignor of one-half to H. C. Leech, doing business as Herbert C. Leech Illustrators, New York, N. Y. Combined loud speaker and shelter therefor. 151,377, Oct. 12.
- La Barre, Ernoll W., assignor of one-half to H. C. Leech, doing business as Herbert C. Leech Illustrators, New York, N. Y. Pressure cooker. 151,458, Oct. 19.
- La Barre, Dwight, near Pontiac, and T. Ornas, Ferndale, assignors to Air-O-Tonic, Inc., Detroit, Mich. Space heater. 151,906, Nov. 30.
- Lademann, Leonard L., Detroit, Mich. Guitar. 149,426, Apr. 27.
- La Fountain, Amie, and A. B. Guise, assignors to Ansul Chemical Company, Marinette, Wis. Nozzle for dry chemical fire extinguisher. 148,710, Feb. 17.
- Laing, Gordon F., Delavan, Wis., and A. C. Haggstrom, Rockford, assignors to The George W. Borg Corporation, Chicago, Ill. Fishing reel. 148,370, Jan. 13.
- Lamb, Eddy, and C. D. Freeman, Los Angeles, Calif. Lamp post. 151,628, Nov. 2.
- Lamb, Eddy, and C. D. Freeman, Los Angeles, Calif. Combined lamp post and lamp. 151,629, Nov. 2.
- Lamb, Hosea, Ponca City, Okla. Fish lure. 151,276, Oct. 5.
- Lambourn, Leonard J., Erdington, Birmingham, and F. B. Jones, Castle Bromwich, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 150,432, Aug. 3.
- Lamel, Abe, New York, N. Y. Handbag. 150,633, Aug. 17.
- Lamel, Abe, New York, N. Y. Handbag. 150,634, Aug. 17.
- La Mont, Herbert D., Huntington, Ind. Dutch oven or the like. 148,627, Feb. 10.
- Lamprecht, Joseph A., Cranford, N. J. Bottle carrier or similar article. 150,017, June 22.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic camera. 151,774, Nov. 16.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,775, Nov. 16.
- Landers, Frary & Clark, assignee: *See*—
Metz, Harry E.
Russell, William J.
- Landsman, Mary S., Chicago, Ill. Cosmetic applicator. 150,635, Aug. 17.
- Landy, Otto: *See*—
Sundstrom, Harold C., and Landy.
- Lane, David, Philadelphia, Pa. Pipette support. 150,797, Aug. 31.

- Lane, Frank B., Silver Spring, assignor to Engineering and Research Corporation, Riverdale, Md. Airplane. 149,823, June 1.
- Lang, Irving M., New York, N. Y. Cuff link or similar article. 151,459, Oct. 19.
- Lang, Sandy, Chicago, Ill. Kite. 149,001, Mar. 16.
- Lang, Sandy, Chicago, Ill. Kite. 149,002, Mar. 16.
- Lang, Walter: *See*—
Nagel, John D., and Lang.
- Langley Corporation, assignee: *See*—
Mandolfi, Henry I., and Morrow.
- Lanning, Edwin, Park Rapids, Minn. Figurine. 150,636, Aug. 17.
- Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Combined motor and blower base and vacuum cleaner cover. 149,764, May 25.
- Lark, Forrest, assignee, et al.: *See*—
Meyran, Laura R.
- Larraide, Edward, La Canada, assignor to A. C. Mfg. Co., Van Nuys, Calif. Wheeled vehicle or similar article. 149,193, Apr. 6.
- Larraide, Edward, La Canada, assignor to A. C. Mfg. Co., Van Nuys, Calif. Wheeled vehicle or similar article. 149,194, Apr. 6.
- Larsen, Henry E., Hollywood, Calif. Combination cigarette and match container. 152,164, Dec. 21.
- Larsen, Olaf F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Wheeled pull toy. 149,072, Mar. 23.
- Larsen, Olaf F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy automobile sedan. 149,365, Apr. 20.
- Larsen, Olaf F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy roadster. 149,366, Apr. 20.
- Laszlo, Margit F., Los Angeles, Calif., assignor to Cole of California, Inc. Swimming trunks. 150,237, July 13.
- Laszlo, Margit F., Los Angeles, Calif., assignor to Cole of California, Inc. Two-piece swim suit. 150,238, July 13.
- Laszlo, Margit F., Los Angeles, Calif., assignor to Cole of California, Inc. Two-piece swim suit. 150,991, Sept. 14.
- Laszlo, Margit F., Los Angeles, Calif., assignor to Cole of California, Inc. Swim suit. 150,992, Sept. 14.
- Laszlo, Margit F., Los Angeles, Calif., assignor to Cole of California, Inc. Play suit. 150,993, Sept. 14.
- Lataner, Harry, Vinton, Va. Grater. 149,956, June 15.
- Latta, Lynn H.: *See*—
Nuffer, Joseph H., and Latta.
- Lauber, John A., assignor to Continental Optical Company, Inc., Rochester, N. Y. Bridge for eyeglasses. 150,367, July 27.
- Laufenberg, Inc., assignee: *See*—
Laufenberg, Virgil E.
- Laufenberg, Virgil E., assignor to Laufenberg, Inc., Milwaukee, Wis. Drip pan for water closet tanks. 150,306, July 20.
- Laughhead, Gordon, assignor to Gordon Laughhead Company, Grand Haven, Mich. Aeronautical training device. 148,800, Feb. 24.
- Laughhead, Gordon, Company, assignee: *See*—
Laughhead, Gordon.
- Lauve, Henry D., Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 150,994, Sept. 14.
- Lavine, Marianne L., Bala-Cynwyd, Pa. Sandglass. 149,274, Apr. 13.
- Lawrence, Kenan B., Columbus, Ga. Hosiery display stand. 150,239, July 13.
- Lawson, George S., St. Clair Shores, Mich. Automobile. 149,824, June 1.
- Lawson, William L., Forest Hills, assignor to Whitehouse Products, Inc., Brooklyn, N. Y. Camera. 148,801, Feb. 24.
- Laybolt, Harry, Brockton, Mass. Shoe sole. 149,888, June 8.
- Laybolt, Harry, Brockton, Mass. Shoe heel. 149,889, June 8.
- Laybolt, Harry, Brockton, Mass. Shoe sole. 149,890, June 8.
- Laybolt, Harry, Brockton, Mass. Shoe sole. 151,519, Oct. 26.
- Layton, Harry L., assignor to Samson-United Corporation, Rochester, N. Y. Electric toaster. 148,936, Mar. 9.
- Laystrom, Carl A.: *See*—
Fancelli, Walter, and Laystrom.
- Lazler, Harry, assignee: *See*—
Saffron, Abraham.
- Leary, Gordon, Trenton, N. J. Earring. 149,367, Apr. 20.
- Leavin, William H., New York, N. Y. Lipstick case or similar article. 149,565, May 11.
- Leavin, William H., New York, N. Y. Compact or similar article. 150,075, June 29.
- Leavin, William H., New York, N. Y. Lipstick case or similar article. 151,697, Nov. 9.
- Leavin, William H., assignor to Hampden Sales Associates, Inc., New York, N. Y. Lipstick case or similar article. 152,003, Dec. 7.
- Le Blanc, William, Fort Worth, Tex. Memorandum holder unit. 150,506, Aug. 10.
- Lechtenberg, Leo J.: *See*—
Oehrlein, Willard J., Lechtenberg, and Stevens.
Stevens, Clifford B., Oehrlein, and Lechtenberg.
- Lederer, George J., Providence, R. I. Brooch or similar article. 149,279, Apr. 13.
- Lederer, George J., Providence, R. I. Brooch or similar article. 149,276, Apr. 13.
- Lederer, George J., Providence, R. I. Brooch or similar article. 149,277, Apr. 13.
- Lederer, George J., Providence, R. I. Brooch or similar article. 149,278, Apr. 13.
- Lederer, George J., Providence, R. I. Brooch or similar article. 149,279, Apr. 13.
- Lederer, George J., Providence, R. I. Fob pin. 149,566, May 11.
- Lederer, George J., Providence, R. I. Fob pin. 149,567, May 11.
- Lederer, George J., Providence, R. I. Fob pin. 149,568, May 11.
- Lederer, George J., Providence, R. I. Fob pin. 149,569, May 11.
- Lederer, George J., Providence, R. I. Fob pin. 149,570, May 11.
- Lederer, George J., Providence, R. I. Fob pin. 149,571, May 11.
- Lee, Everett B., Meriden, Conn. Drawer pull. 150,307, July 20.
- Lee Rubber & Tire Corporation, assignee: *See*—
Nellen, Arthur H.
- Lee, Ruby, San Francisco, Calif. Sun suit. 149,654, May 18.
- Leech, Herbert C., assignee: *See*—
La Barre, Erroll W.
- Leech, Herbert C., Illustrators, assignee: *See*—
La Barre, Erroll W.
- Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Floor brush. 149,134, Mar. 30.
- Leftwich, Carlton O., Lynchburg, Va. Rocking horse. 150,995, Sept. 14.
- Lehman, Carl E., Evanston, Ill. Faucet attachment. 150,996, Sept. 14.
- Lehmann, Gotthilf, New York, N. Y. Toy clown. 151,635, Nov. 2.
- Leiserowitz, Alfred P., Des Moines, Iowa. Cigarette package holder. 147,711, Feb. 17.
- Leitner, Arthur S., Los Angeles, Calif. Book end. 148,802, Feb. 24.
- Leivo, Philip V., and A. J. Herek, assignors, by mesne assignments, to Metal-Lite Products, Bay City, Mich. Archery bow. 148,309, Jan. 6.
- Lektra Laboratories, Inc., assignee: *See*—
Eisenberg, Ben, and Schwarz.
- Leming, Frank, San Francisco, Calif. Lamp. 149,572, May 11.
- Lemke, Eleanor L.: *See*—
Lemke, George A. and E. L.
- Lemke, George A. and E. L., Hollydale, Calif. Covered combined beauty tray and comb holder. 150,143, July 6.
- Lelong, Lucien, Paris, France, assignor to Lucien Lelong, Inc., Chicago, Ill. Container for perfume bottle or similar article. 148,310, Jan. 6.
- Lelong, Lucien, Inc., assignee: *See*—
Lelong, Lucien.
- Lenhart, James F., Paoli, Pa. Money bank. 149,825, June 1.
- Lennan Lights, Inc., assignee: *See*—
Phillips, Eugene H.
- Lentheric, Incorporated, assignee: *See*—
McIntosh, Frank.
- Lerman, Ben, Chicago, Ill. Clock. 149,003, Mar. 16.
- Lerman, Ben, Chicago, Ill. Clock. 149,004, Mar. 16.
- Lerman, Ben, Chicago, Ill. Clock. 149,005, Mar. 16.
- Lerman, Ben, Chicago, Ill. Clock. 149,006, Mar. 16.
- Lerman, Ben, Chicago, Ill. Clock. 152,004, Dec. 7.
- Leser, Tina, New York, N. Y. Hat. 148,803, Feb. 24.
- Leskin, Nathan, Philadelphia, Pa. Metal straightening hammer. 151,378, Oct. 12.
- Leslie, John G., and L. N. Robinson, assignors to Erie City Manufacturing Company, Erie, Pa. Commode. 149,957, June 15.
- Letourneau Technical Institute of Texas, assignee: *See*—
Brooking, Walter J.
- Leva, Alexander, New York, N. Y. Book end. 148,371, Jan. 13.
- Leva, Alexander, New York, N. Y. Book end. 148,372, Jan. 13.
- Leva, Alexander, New York, N. Y. Book end. 149,280, Apr. 13.
- Leva, Alexander, New York, N. Y. Book end. 149,281, Apr. 13.
- Leva, Alexander, New York, N. Y. Book end. 149,282, Apr. 13.
- Leva, Alexander, New York, N. Y. Book end. 149,283, Apr. 13.
- Levan, Wayne G., Reading, Pa. Artificial bait casting plug. 149,503, May 4.
- Levin, David E., Brooklyn, assignor to Evins, Inc., New York, N. Y. Lady's shoe or similar article. 149,073, Mar. 23.
- Levin, Irving, New York, N. Y. Illuminator globe. 150,718, Aug. 24.
- Levine, Joseph, Flushing, N. Y. Closure for bung holes or the like. 149,074, Mar. 23.
- Levine, Samuel, New York, N. Y. Sweater. 151,776, Nov. 16.

- Levine, Samuel, New York, N. Y. Sweater. 151,777, Nov. 16.
- Levine, Zelman S.: *See—*
Fitzgerald, James R., and Levine.
- Levis, George A., Williamsport, Pa. Telephone stand. 151,778, Nov. 16.
- Leroy, Monroe B., New York, N. Y. Spectacle frame. 151,698, Nov. 9.
- Levy, Abraham: *See—*
Punzak, Joseph F., and Levy.
- Levy, Abraham, assignor to Parfum L'Orle, Inc., New York, N. Y. Perfume container or the like. 149,504, May 4.
- Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,475, Jan. 27.
- Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,476, Jan. 27.
- Lewine, Hyman W., New York, assignor to Superba Cravats, Rochester, N. Y. Textile fabric or similar article. 148,477, Jan. 27.
- Lewis, Benjamin, New York, N. Y., assignor to L. G. Rothschild, Dallas, Tex. Bottle. 148,880, Mar. 2.
- Lewis, Benjamin, New York, N. Y. Bottle. 152,005, Dec. 7.
- Lewis, Florence K., and E. Trout, Glendale, Calif. Egg container. 148,804, Feb. 24.
- Lewis, Golda, New York, N. Y. Spectacle frame. 149,007, Mar. 16.
- Lewis, Lyle L.: *See—*
Shoemaker, Paul E., and Lewis.
- Lewis, Malcolm W., West Clarkesville, N. Y. Double-headed hatchet. 149,075, Mar. 23.
- Lewis, Nena, Campbell, Ohio. Kitchen cabinet. 151,636, Nov. 2.
- Lewis, Pamela F., Sunland, Calif. Toy barrow. 150,637, Aug. 17.
- Lewyt Corporation, assignee: *See—*
Lippincott, Joshua G.
Meyerhoefer, Carl E.
- Liebes, Dorothy W.: *See—*
Burton, William, and Liebes.
- Liello, Jerusha K., New York, N. Y. Perfume bottle. 151,520, Oct. 26.
- Lifton, Samuel H., New York, N. Y. Lock for portfolios or the like. 152,109, Dec. 14.
- Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Vacuum cleaner. 148,311, Jan. 6.
- Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Floor renovator. 152,006, Dec. 7.
- Lily-Tulip Cup Corporation, assignee: *See—*
Perelman, Albert A.
- Lindahl, Stanley E., Los Angeles, Calif. Fluorescent lighting fixture. 149,427, Apr. 27.
- Lindahl, Stanley E., Los Angeles, Calif. Combined fluorescent and flood light fixture. 149,653, May 18.
- Lindemann, Joseph S., assignee: *See—*
Mayfield, Jean B.
- Lindenbaum, Louis E., Brooklyn, N. Y. Lamp shade or the like. 149,008, Mar. 16.
- Lindex Distributors, Inc., assignee: *See—*
Witsenburg, Maartem.
- Lindgren, Orton W., Jr., assignor to Willson Products, Inc., Reading, Pa. Pair of eye shield cups for sun bathing. 151,051, Sept. 21.
- Liolich, Alexander, Dearborn, and S. N. Liolich, Detroit, Mich. Golf club. 148,805, Feb. 24.
- Liolich, Samuel N.: *See—*
Liolich, Alexander and S. N.
- Liolich, Samuel N., Detroit, Mich. Putter head. 150,798, Aug. 31.
- Lion, Leo, New York, N. Y. Personalized birthday candle. 150,879, Sept. 7.
- Lion Monogram Machine Company, assignee: *See—*
Stadler, James A.
- Lipic, Sylvester G., Sappington, Mo. Mechanical pencil. 151,052, Sept. 21.
- Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or other article of flatware. 149,428, Apr. 27.
- Lipman, Isadore A., assignor to The Ellmore Silver Company, Inc., Meriden, Conn. Fork or other article of flatware. 149,958, June 15.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner casing. 148,312, Jan. 6.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,313, Jan. 6.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,314, Jan. 6.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 148,315, Jan. 6.
- Lippincott, Joshua G., New York, N. Y., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Electric heater. 149,284, Apr. 13.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 149,285, Apr. 13.
- Lippincott, Joshua G., Scarsdale, assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner attachment. 149,368, Apr. 20.
- Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Switch box. 150,240, July 13.
- Lisner, D., & Co., Inc., assignee: *See—*
Flato, Paul.
- Liston, Marcia B.: *See—*
Bletcher, Ralph E., and Bucknell.
- Little, Gordon C., Los Angeles, Calif. Table. 149,891, June 8.
- Little, John M.: *See—*
Gustafson, Folke M., and Little.
Thomssen, Amy L., and Little.
- Little, John M., Toledo, Ohio. Combination kitchen unit. 148,373, Jan. 13.
- Little, John M., Toledo, Ohio. Sink fixture. 149,195, Apr. 6.
- Little, John M., and A. L. Thomssen, Toledo, Ohio. Faucet unit. 149,196, Apr. 6.
- Little, John M., Toledo, Ohio, assignor to Westinghouse Electric Corporation. Refrigerator cabinet. 151,277, Oct. 5.
- Livers, Carlos B., North Hollywood, assignor to Variety Development and Engineering Company, Los Angeles, Calif. Electric motor. 150,799, Aug. 31.
- Lloyd, Charles W., assignor to Dispensers, Inc., Brooklyn, N. Y. Beverage dispenser. 151,779, Nov. 16.
- Locke Stove Company, assignee: *See—*
Esson, Edwin.
- Lockheed Aircraft Corporation, assignee: *See—*
Dodds, John G., MacKillop, and Sansom.
Hibbard, Hall L.
Pulver, Wilfrid A., and Flock.
- Lockman, Herbert H., Muskegon, Mich. Bicycle sidecar. 150,433, Aug. 3.
- Lo Curto, Anthony R., Brooklyn, N. Y. Earring. 150,018, June 22.
- Loeb, Marianne S., Jenkintown, Pa. Embroidered trimming. 150,144, July 6.
- Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Truck body. 148,550, Feb. 3.
- Loewy, Raymond, New York, N. Y. Building. 149,076, Mar. 23.
- Loewy, Raymond, New York, N. Y. Building. 149,077, Mar. 23.
- Loewy, Raymond, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Locomotive body. 149,573, May 11.
- Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Beverage dispenser. 149,656, May 18.
- Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Electric range. 150,719, Aug. 24.
- Logan, Harry L., Kenmore, N. Y. Chair. 150,076, June 29.
- Logan, Hugh H., La Canada, Calif. Casing for shower valve. 152,007, Dec. 7.
- Lolli, John, and G. Papitto, Chicago Heights, Ill. Radio receiver with timed automatic station selector and tuner. 150,145, July 6.
- Lomazzo, Edmund J., assignor to Sparks Machine Tool Corporation, Norwalk, Conn. Lathe. 149,657, May 18.
- Loneragan Manufacturing Company, assignee: *See—*
Greer, Carl S., Jr.
- Long, Albert T., Baltimore, Md. Lectern. 150,997, Sept. 14.
- Loosley, Henry J., St. Louis, Mo. Display cabinet for greeting cards. 151,637, Nov. 2.
- Lord, Thomas E.: *See—*
Sanchez, Lee, and Lord.
- Lorenz, Eugene, Springfield, N. J. Clothesline pulley or similar article. 148,712, Feb. 17.
- Lorenz, Henry T., assignor to H. Powell, Chicago, Ill. Photographic lamp holder. 148,806, Feb. 24.
- Lorimer, Allan G., Douglaston, Long Island, N. Y., assignor to The City of New York. Applique emblem or similar article. 150,077, June 29.
- Lorimer, Allan G., Douglaston, Long Island, N. Y., assignor to The City of New York. Commemorative novelty. 150,078, June 29.
- Lothrop, George W., Wayne, Mich. Ski sandal. 151,699, Nov. 9.
- Louis Allis Company, The, assignee: *See—*
Wieseman, Theodore R., and Robinson.
- Lovejoy, Kenneth F., Pittsburgh, and D. B. Peat, Dravosburg, Pa. Airplane. 150,434, Aug. 8.
- Lovse, John, Detroit, Mich. Steak dicing machine. 150,079, June 29.
- Low, Stanley, New York, N. Y., assignor to D. F. H. Novelty Furniture Co., Inc. Table. 151,780, Nov. 16.
- Lowe, Joe, Corporation, assignee: *See—*
Roth, Ernest J.
- Lowenstein, Bernard B., Forest Hills, N. Y. Supply stand for dental grinding disks or the like. 149,574, May 11.
- Lown, John C., assignor, by mesne assignments, to R. A. Brown, Toronto, Ontario, Canada. Shrine. 148,881, Mar. 2.
- Lucas, Stephen J., Chicago, Ill. Utility creeper with illuminator or the like. 152,008, Dec. 7.

- Lucchesi, Jack, Chicago, Ill. Wall bracket. 149,078, Mar. 23.
- Lucchesi, Jack, Chicago, Ill. Twine holder. 151,278, Oct. 5.
- Luckett, Satrauna W., by decree of marriage: *See*—White, Satrauna W.
- Ludwick, William L., Mount Carmel, assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Hammer head. 151,853, Nov. 23.
- Ludwig, William F., Chicago, Ill. Drumhead tensioning lug for drums. 151,638, Nov. 2.
- Ludwig, William F., Chicago, Ill. Lever of a drum snare tensioning mechanism. 151,639, Nov. 2.
- Ludwig, William F., Chicago, Ill. Twin drumhead tensioning lug for drums. 151,640, Nov. 2.
- Lueneburg, Walter C., Evanston, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 151,700, Nov. 9.
- Luhn, Albert L., Racine, Wis. Stripper fork. 148,430, Jan. 20.
- Luketa, Frank J., Seattle, Wash. Combined reading stand and lamp. 149,429, Apr. 27.
- Luketa, Frank J., Seattle, Wash. Lounge chair. 149,658, May 18.
- Luketa, Frank J., Seattle, Wash. Adjustable lounge chair. 149,959, June 15.
- Luketa, Frank J., Seattle, Wash. Adjustable lounge chair. 152,200, Dec. 28.
- Lund, Lola M., Burbank, Calif. Combined tray and comb holder. 148,431, Jan. 20.
- Lupinski, Casimir S., Hamtramck, Mich. Automobile body. 149,430, Apr. 27.
- Lux Clock Mfg. Co., The, assignee: *See*—Lux, Frederick.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protokotsite Co., Inc., Carlstadt, N. J. Comb. 148,713, Feb. 17.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protokotsite Company, Inc., Carlstadt, N. J. Bathroom vanity chair. 149,197, Apr. 6.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protokotsite Company, Inc., Carlstadt, N. J. Toy vanity. 149,198, Apr. 6.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protokotsite Company, Inc., Carlstadt, N. J. Toy bathtub. 149,893, June 8.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protokotsite Company, Inc., Carlstadt, N. J. Table or similar article. 151,701, Nov. 9.
- Lux, Frederick, Middlebury, assignor to The Lux Clock Mfg. Co., Waterbury, Conn. Clock casing. 149,079, Mar. 23.
- Lynne, Archibald L., Chicago, Ill. Fruit juicer. 149,199, Apr. 6.
- Lyon, George A., Allenhurst, N. J. Wheel cover or similar article. 148,937, Mar. 9.
- Lyon, George A., Detroit, Mich. Wheel trim or similar article. 149,575, May 11.
- Lyon, George A., Detroit, Mich. Wheel cover or the like. 149,576, May 11.
- Lyons, Verne L., Minneapolis, Minn. Protector for baby's shoe. 152,009, Dec. 7.
- M & M Food Products Company, assignee: *See*—Mitzel, George E.
- M. & M. Products Co., assignee: *See*—Moran, Harold J., McPhillips, and Mead.
- M. S. Aviation Co., assignee: *See*—Gustafson, Wayne A.
- Mabry, Wilber R., Kansas City, Mo. Game board. 151,641, Nov. 2.
- Mabs, Inc., assignee: *See*—Minger, Robert E.
- Macaulay, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Combined automobile grille and bumper assembly or similar article. 152,010, Dec. 7.
- Macbeth, Norman, Jr.: *See*—Echus, Iredell, and Macbeth.
- MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 148,807, Feb. 24.
- MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 148,808, Feb. 24.
- MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 151,642, Nov. 2.
- Machado, Anthony B., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 151,521, Oct. 26.
- Mack, John L., Sr., Chicago, Ill. Combined cigarette pack and match holder. 152,201, Dec. 28.
- MacKay, John A., Detroit, Mich. Child's ring. 148,551, Feb. 3.
- MacKenzie, Donald M., assignor to Willson Products, Inc., Reading, Pa. Handling support for treating lenses. 151,643, Nov. 2.
- MacKichan, Clare M., assignor to General Motors Corporation, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. 151,379, Oct. 12.
- MacKillop, Angus D.: *See*—Dodds, John G., MacKillop, and Sansom.
- MacKousd, Alice, New York, N. Y. Negligee. 151,159, Sept. 28.
- MacLennan, John C., Toronto, Ontario, Canada. Luminous pendant. 148,938, Mar. 9.
- Macpherson, Mildred, New York, N. Y. Dress. 148,628, Feb. 10.
- Macpherson, Mildred, New York, N. Y. Dress. 148,629, Feb. 10.
- Macpherson, Mildred, New York, N. Y. Dress. 148,630, Feb. 10.
- Macpherson, Mildred, New York, N. Y. Dress. 151,057, Sept. 21.
- Macpherson, Mildred, New York, N. Y. Dress. 151,058, Sept. 21.
- Macpherson, Mildred, New York, N. Y. Dress. 151,702, Nov. 9.
- Madier, Max F., New York, N. Y. Finger ring. 148,715, Feb. 17.
- Madsen, John S., New York, N. Y. Tablecloth or similar article. 149,578, May 11.
- Madsen, John S., New York, N. Y. Tablecloth or similar article. 149,894, June 8.
- Magnavox Company, The, assignee: *See*—Stone, Leland G.
- Magnus, John, Jr., Hazleton, Pa. Socket screw driver. 150,800, Aug. 31.
- Maggi, John J., Hayward, Calif. Aeroplane hangar. 149,505, May 4.
- Maiden Form Brassiere Company, Inc., assignee: *See*—Coleman, Joseph A.
- Maier, Arthur R.: *See*—Knudsen, Elmer M., and Maier.
- Maier, Kenneth D.: *See*—Grover, Frederic S., and Maier.
- Main, Andrew, Willoughby, Ohio. Zone check ticket holder. 150,241, July 13.
- Main, Charles E., assignor to Eastman Kodak Company, Rochester, N. Y. Camera cover. 151,059, Sept. 21.
- Malorana, Vincent, Laurelton, N. Y. Moneybag or similar article. 150,080, June 29.
- Majewski, Joseph M., Jr., and E. F. Whitfill, assignors to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Broiler. 149,895, June 8.
- Major, John, assignee: *See*—Deuster, Hans J.
- Malco, Elaine M., Long Beach, Calif. Cosmetic tray. 148,374, Jan. 13.
- Maling, Roy, Chestnut Hill, Mass. Shoe. 151,644, Nov. 2.
- Maling, Roy, Chestnut Hill, Mass. Shoe. 151,645, Nov. 2.
- Malluk, Rose, Cliffside Park, N. J. Dress. 149,286, Apr. 13.
- Malluk, Rose, Cliffside Park, N. J. Dress. 149,287, Apr. 13.
- Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or other article of flatware. 149,431, Apr. 27.
- Malkin, Simon, New York, N. Y., assignor to United Cigar-Whelan Stores Corporation. Overhead counter display stand. 149,080, Mar. 23.
- Malley, John F., Boston, Mass., and L. Ribera, New York, N. Y., assignors to Benevolent and Protective Order of Elks, United States of America, Chicago, Ill. Medal or similar article of manufacture. 148,882, Mar. 2.
- Mallory, P. R., & Co., Inc., assignee: *See*—Chapman, Dave.
- Malmstead, Lilyan, New York, N. Y. Cosmetic bag or similar article. 148,811, Feb. 24.
- Manca, Milo J., Seattle, Wash. Fruit holder. 151,160, Sept. 28.
- Mandel, Frank P., Chicago, Ill. Combined clock case and picture frame. 150,081, June 29.
- Mandolf, Henry I., and J. B. Morrow, assignors to Langley Corporation, San Diego, Calif. Combined weighing and measuring device. 150,146, July 6.
- Mankki, Onnie, Cleveland, Ohio, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Smoking stand. 150,147, July 6.
- Manning, Maxwell & Moore, Inc., assignee: *See*—Gustafson, Folke M., and Little.
- Smith, Ralph E., and Workman.
- Manry, Thornton J., assignor to The Green Company, Incorporated, Kansas City, Mo. Brooch or the like. 150,880, Sept. 7.
- Man-Sew Corporation, assignee: *See*—Sigoda, Victor J.
- Manthei, Willard F., Milwaukee, Wis. Stoker. 149,659, May 18.
- Manufacturers Machine & Tool Co., Inc., assignee: *See*—Boecking, Ewald.
- Mapes Consolidated Manufacturing Company, assignee: *See*—De Reamer, William J.
- Marcello, Michael, Cranston, R. I. Brooch or the like. 148,432, Jan. 20.
- Marcus, Gerald I., Kansas City, Mo. Walker or like article. 148,552, Feb. 3.
- Marcus, William, Cleveland, Ohio. Paper holder. 148,631, Feb. 10.
- Marder, Milton: *See*—Wolfer, Herman, and Marder.
- Margolis, David, New York, and Sol Weisblatt, Brooklyn, N. Y. Necktie. 151,380, Oct. 12.
- Mariani, Frank N., Washington Heights, N. Y. Fruit juice squeezer. 150,308, July 20.
- Marine Optical Mfg. Co., assignee: *See*—Ditto, Arthur.

- Mark Cross Company, assignee: *See*—
Murphy, Gerald.
- Markel Electric Products, Inc., assignee: *See*—
Ohm, Albert J. D.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,082, June 29.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,083, June 29.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,084, June 29.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,085, June 29.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,086, June 29.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,148, July 6.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,149, July 6.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,150, July 6.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,151, July 6.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,152, July 6.
- Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 150,153, July 6.
- Marks, Lou, assignee, et al.: *See*—
Wright, Ira E.
- Marks, Max J.: *See*—
Schwartz, Martin W. and Marks.
- Marks, Max J., and M. W. Schwartz, Chicago, Ill. Electric lighting fixture. 149,009, Mar. 16.
- Marmou-Herrington Company, Inc., assignee: *See*—
Wallace, Robert C.
- Marrison, Warren A., Maplewood, N. J., and F. M. Thayer, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone set. 151,279, Oct. 5.
- Marrow, George M., Brattleboro, Vt. House. 151,646, Nov. 2.
- Marrow, George M., Brattleboro, Vt. House. 151,647, Nov. 2.
- Marrow, George M., Brattleboro, Vt. House. 151,648, Nov. 2.
- Marsh, Harold A.: *See*—
Baratelli, Charles A., Chin, and Marsh.
- Marshall Field & Company, assignee: *See*—
Osborne, Addis.
- Marshall, Marshall A., Buffalo, N. Y. Transparent doll's stall shower. 148,553, Feb. 3.
- Marshall, Marshall A., Buffalo, N. Y. Doll's stall shower. 148,554, Feb. 3.
- Martin, Alexander L., assignee: *See*—
Nissen, Hans G.
- Martin, Edward D., Milwaukee, Wis. Fork for bicycles and velocipedes. 148,939, Mar. 9.
- Martin, Glenn L., Company, The, assignee: *See*—
Varriuer, Albert L.
- Martin, Jackson R., Grand Rapids, Mich. Foot support. 148,632, Feb. 10.
- Martin, Raymond I., South Bend, Ind., assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting templet. 149,200, Apr. 6.
- Martin, Rudolph A., Birmingham, Ala. Picture frame. 149,960, June 15.
- Martin, Thomas C., Natick, Mass. Roly-poly toy or the like. 150,019, June 22.
- Martin, Thomas C., Natick, Mass. Toy animal figure or the like. 150,020, June 22.
- Martin, William E., Anaconda, Mont. Razor and shear kit. 149,896, June 8.
- Martin, William E., Kewanee, Ill. Luggage carrier for an automobile. 150,087, June 29.
- Martling, Lockwood, Jr., Chicago, assignor to L. J. Andres, Itasca, Ill. Remote controller casing. 151,522, Oct. 26.
- Martling, Lockwood, Jr., Chicago, Ill. Display stand or similar article. 152,111, Dec. 14.
- Martling, Walter L., Jr., assignor to Mills Industries, Incorporated, Chicago, Ill. Cabinet for bottle vending machine. 152,110, Dec. 14.
- Marvel Jewelry Mfg. Company, assignee: *See*—
Albanese, Arthur.
Rice, Franklin S.
- Marvin, Zebina E., Jr., Dallas, Tex. Toilet tray. 151,060, Sept. 21.
- Marvin, Zebina E., Jr., Dallas, Tex. Utility box. 151,061, Sept. 21.
- Marx, Louis & Company, Inc., assignee: *See*—
Hirsch, Mahlon E.
- Mashburn, W. O., Jr., assignee, et al.: *See*—
Murray, Victor E.
- Mason, Adam E.: *See*—
Kasten, Walter, and Mason.
- Mason, Lewis M.: *See*—
Verduyn, John W., and Mason.
- Mason, Vincent I., Newton, assignor to Boston Manufacturing Co., Boston, Mass. Carving aid. 149,961, June 15.
- Mason-Williams Company, assignee: *See*—
Klotz, Joseph.
Warner, Michael M.
- Massa, Frank, Cleveland Heights, Ohio. Electroacoustic transducer. 149,826, June 1.
- Mast, Gifford M., Davenport, Iowa, assignor to True-Vue, Inc., Rock Island, Ill. Picture viewer. 152,202, Dec. 28.
- Master Industries, Inc., assignee: *See*—
Spence, Edmond J.
- Masterson, William F., assignor to Faries Manufacturing Company, Decatur, Ill. Lamp or similar article. 148,375, Jan. 13.
- Masury-Young Company, assignee: *See*—
Lilly, Howard C.
- Math, Howard N., New York, N. Y. Lamp or similar article. 148,376, Jan. 13.
- Mathews, Ollie Z., assignor to Dallas Engineering Company, Dallas, Tex. Pressure regulator for butane gas systems. 150,368, July 27.
- Matson, Charles H., New York, N. Y. Adjustable fishing reel seat. 151,649, Nov. 2.
- Matthews, Richard F., Huntington Park, Calif. Combined brush for camera lens and container for cleaning fluid. 149,201, Apr. 6.
- Matzie, Fredrick W., Los Angeles, Calif. Golf club head. 148,555, Feb. 3.
- Maugham, Syrie, New York, N. Y. Picture frame. 149,202, Apr. 6.
- Maxwell, Richard B., Brooklyn, N. Y. Combined tie clip and pencil. 149,288, Apr. 13.
- May, Otto A.: *See*—
Harris, Kenneth, and May.
- May, Robert A., Merion, and H. E. Steinberg, Philadelphia, Pa., assignors to The Esterbrook Pen Company, Camden, N. J. Desk set inkwell. 150,881, Sept. 7.
- Mayehoff Company, The, assignee: *See*—
McKelvey, Vanny.
- Mayer China Company, assignee: *See*—
Gougler, Marcelline.
Sebold, Mary.
- Mayer, Joseph W., Troy, N. Y., assignor, by mesne assignments, to Tek Hughes, Inc. Hairbrush. 152,203, Dec. 28.
- Mayerson, Max, Richmond Heights, Mo. Phonograph. 151,381, Oct. 12.
- Mayfield, Jean B., assignor to J. S. Lindemann, New York, N. Y. Bottle. 149,506, May 4.
- Mayfield, Jean B., assignor to J. S. Lindemann, New York, N. Y. Bottle. 151,460, Oct. 19.
- Maytag Company, The, assignee: *See*—
Carrière, Laurier.
Smith, Thomas R.
- Mazurk, Virginia A., New York, N. Y. Flexible chain for a bracelet or similar article. 150,021, June 22.
- McCann, Clyde D., Des Moines, Iowa. Light shade for an electrical fixture. 151,053, Sept. 21.
- McCann, Clyde D., Des Moines, Iowa. Light shade for an electrical fixture. 151,054, Sept. 21.
- McCann, Clyde D., Des Moines, Iowa. Mounting bracket for an electrical fixture. 151,161, Sept. 28.
- McCann, DeWitt, I. Berlin, and F. L. Graham, Los Angeles, Calif. Garden tool rack. 149,135, Mar. 30.
- McCann, Michael, Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine frame. 150,882, Sept. 7.
- McCarty, Lea F., Sierra Madre, Calif. Teapot. 149,962, June 15.
- McCarty, Lea F., Sierra Madre, Calif. Bowl. 149,963, June 15.
- McCoy, Justus G., assignor to O. Thurow, Milwaukee, Wis. Vehicle hobby horse. 149,577, May 11.
- McCray Refrigerator Company, assignee: *See*—
Bently, George K.
- McDonald, Eugene F., Jr., Chicago, Ill. Device for releasing snagged fishing lures or baits. 148,809, Feb. 24.
- McDonald, James D., Los Angeles, Calif. Plug receptacle escutcheon plate. 150,242, July 13.
- McDonald, James D., Los Angeles, Calif. Switch escutcheon. 151,907, Nov. 30.
- McDonald, Louise G., Los Angeles, Calif. Doll or similar article. 150,638, Aug. 17.
- McDowell, Marshall T., Eatontown, assignor to The Korkmaster Company, Red Bank, N. J. Cork screw. 148,810, Feb. 24.
- McDowell, William F., Pueblo, Colo. Combination tool. 150,435, Aug. 3.
- McElderry, Maurice M., Duluth, Minn. Pulpwood tongs or similar article. 151,908, Nov. 30.
- McEntire, Kenneth S., Kansas City, Mo. Safety razor holder. 150,507, Aug. 10.
- McFadyen, Richard, Upper Montclair, assignor to Ketcham & McDougall, Inc., East Orange, N. J. Magnetic pencil. 149,897, June 8.
- McGill, Charles F.: *See*—
Harman, Hugh, McGil, and Greenlaw.
- McGoey, Matthew J., Middle Village, N. Y. Combined skate sharpener and chain. 152,011, Dec. 7.

- McGowen, Albert W., Boulder, Colo. Book end. 152,112, Dec. 14.
- McGraw Electric Company, assignee: *See*—
Reinecke, Jean O.
- McHugh, James S., Garden City, N. Y. Combined comb and nail file container or the like. 150,309, July 20.
- McIntosh, Frank, assignor to Lenthier, Incorporated, New York, N. Y. Bottle or the like. 149,507, May 4.
- McKelvey, Vanny, Greenwich, assignor to The Mayehoff Company, South Norwalk, Conn. Blouse. 149,369, Apr. 20.
- McKiernan, Thomas B., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or other article of flatware. 149,432, Apr. 27.
- McLaughlin, Frank, and J. E. Roberson, New York, N. Y. Combination bottle opener, ice pick, ice cracker, and muddler. 148,714, Feb. 17.
- McLaughlin, George H., New York, N. Y. Chenille robe. 151,055, Sept. 21.
- McLaughlin, George H., New York, N. Y. Chenille robe. 151,056, Sept. 21.
- McLellan, Kenneth, Monrovia, assignor to Salscor Company, Los Angeles, Calif. Motor scooter. 148,556, Feb. 3.
- McLellan, Kenneth, Monrovia, assignor to Salscor Company, Los Angeles, Calif. Motor scooter. 148,557, Feb. 3.
- McMenemy, Leo: *See*—
Taylor, Walter W., and McMenemy.
- McNeill, Albert G., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Pair of spectacles. 150,639, Aug. 17.
- McNutt, Clara E., Toledo, Ohio. Atomizer or the like. 149,289, Apr. 13.
- McPhillips, Stephen P.: *See*—
Moran, Harold J., McPhillips, and Mead.
- Mead, Benjamin F., assignee: *See*—
Ellberg, Ernest.
- Mead, Vincent A.: *See*—
Moran, Harold J., McPhillips, and Mead.
- Meadow, Leon E., New York, N. Y. Handbag. 151,461, Oct. 19.
- Meadow, Leon E., New York, N. Y. Handbag. 151,523, Oct. 26.
- Meadow, Leon E., New York, N. Y. Handbag. 151,524, Oct. 26.
- Meagher, Fred L., assignor to Jordanoff Corporation, New York, N. Y. Cabinet for sound receiving and transmitting apparatus. 150,998, Sept. 14.
- Meagher, Fred L., Syosset, N. Y., assignor to Mills Industries, Incorporated, Chicago, Ill. Machine for vending cigarettes or the like. 150,154, July 6.
- Mealy, Charles A., East Orange, N. J., assignor to Forstner Chain Corporation. Display stand for watch bracelets and bands. 151,462, Oct. 19.
- Mechanical Handling Systems, Inc., assignee: *See*—
Bingman, Robert E.
- Mechanics' Tool and Forge Company, The, assignee: *See*—
Tucker, Otto N.
- Meeker, David A., Troy, and K. C. Allen, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Scale. 151,062, Sept. 21.
- Medco Products, Inc., assignee: *See*—
Gessler, Harry C.
- Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Combined vanity case and lipstick holder. 148,478, Jan. 27.
- Medgyes, Ladislav, assignor to Gourielli Inc., New York, N. Y. Combined lipstick and vanity case. 148,812, Feb. 24.
- Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Lipstick case. 149,508, May 4.
- Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle. 151,909, Nov. 30.
- Meehan, John J., Vallejo, Calif. Egg rack. 148,377, Jan. 13.
- Meeker, David A., G. B. Fox, and B. E. Sullenberger, assignors to The Hobart Manufacturing Company, Troy, Ohio. Meat saw. 149,203, Apr. 6.
- Meffley, Charles F., assignee, et al.: *See*—
Haglund, Vern N.
- Megdall, Sanford B.: *See*—
Kruger, Maurice J., and Megdall.
- Mehline, Emil O., Seattle, Wash. Chicken fryer. 151,854, Nov. 23.
- Mehr, Jacob A., St. Louis, Mo. Reflector assembly for a heat lamp. 152,113, Dec. 14.
- Melerowitz, Wolf E., Providence, R. I. Picture-containing bracelet or similar article. 150,801, Aug. 31.
- Meigs, Richard H., assignee: *See*—
Neill, Frank E.
- Meiller, William H., and W. D. and A. J. Wolff, Buffalo, N. Y. Game apparatus. 150,243, July 13.
- Meister, Kurt, assignor to Mewo Dental Products Co., New York, N. Y. Dental press. 149,898, June 8.
- Meksin, Jacob, Glendale, Calif. Broiler. 149,892, June 8.
- Meldrum, Roy W., St. Paul, Minn. Candleholder. 152,204, Dec. 28.
- Meillio, Joseph, Great Neck, assignor to De Groodt & Associates, Inc., Woodhaven, N. Y. Ash tray. 152,114, Dec. 14.
- Mellor, Adrien R., Loma Linda, Calif. Riding stick toy. 151,910, Nov. 30.
- Melnikoff, Zachary, Los Angeles, Calif. Lip rouge applicator. 149,899, June 8.
- Melton, Elmer, Oklahoma City, Okla. Water craft. 151,382, Oct. 12.
- Meltzer, Morris, Detroit, Mich. Trouble light guard. 150,720, Aug. 24.
- Mendelsohn, William A., Chicago, Ill. Eyeshield or similar article. 150,508, Aug. 10.
- Mercury Aircraft, Inc., assignee: *See*—
Harley, Bertron G.
- Merek, Albin J.: *See*—
Leivo, Philip V., and Merek.
- Mergott, J. E., Co., The, assignee: *See*—
Sporman, Robert T.
- Meripol, Ed B., Los Angeles, assignor, by mesne assignments, to Adel Precision Products Corp., Burbank, Calif. Garden tractor. 151,703, Nov. 9.
- Merrico, John, Amelia, Ohio. Whirling toy. 152,165, Dec. 21.
- Merrill, Phillip E., and O. R. Titchenal, Santa Monica, Calif. Combined lamp and mirror. 152,012, Dec. 7.
- Merritt, Glenn W., assignor to The Nolan Company, Bow-
erston, Ohio. Railway car door opener and closer. 151,280, Oct. 5.
- Mertel, Henry P.: *See*—
Sheeran, Daniel W., and Mertel.
- Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Motor scooter. 148,716, Feb. 17.
- Merz Engineering Company, assignee: *See*—
Rupley, Frederick L.
- Messing, Benjamin, Hoboken, N. J. Inflatable swim support or similar article. 149,579, May 11.
- Messinger, Harold L., Los Angeles, Calif. Swimming device. 149,580, May 11.
- Metal-Lite Products, assignee: *See*—
Leivo, Philip V., and Merek.
- Meteyer, Victor S., and F. D. Kamb, Irondequoit, N. Y. Antirattler for window sashes. 150,802, Aug. 31.
- Metropolis Bending Company, assignee: *See*—
Puls, Alfred E.
- Metz, Harry E., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical switching device or similar article. 151,911, Nov. 30.
- Metz, J. L., Furniture Company, assignee: *See*—
Metz, Jerome L.
- Metz, Jerome L., Chicago, Ill., assignor to J. L. Metz Furniture Company, Hammond, Ind. Table. 151,162, Sept. 28.
- Mewo Dental Products Co., assignee: *See*—
Meister, Kurt.
- Meyer, Alvin H., Chicago, Ill. Toothbrush display stand. 149,660, May 18.
- Meyer, Arthur I., New York, N. Y. Spoon or similar article of tableware. 151,463, Oct. 19.
- Meyer, Clare G., assignor to Exhibit Supply Company, Chicago, Ill. Amusement apparatus. 149,509, May 4.
- Meyer, Sven M., Stockton, Calif. Portable storage chest or similar article. 151,281, Oct. 5.
- Meyer, Walter, Chicago, Ill. Finger guard. 149,510, May 4.
- Meyercood Co., The, assignee: *See*—
Westrate, Ada.
- Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Sprayer. 151,383, Oct. 12.
- Meyran, Laura R., assignor of one-half to S. N. Schein and F. Lark, Fresno, Calif. Vegetable and fruit peeler. 149,290, Apr. 13.
- Meyer, Robert O., and F. L. Stretz, Kansas City, Mo. Combination rocking chair, straight chair and tray chair for infants. 150,088, June 29.
- Michaels, Maurice A., Montclair, N. J., assignor to Steril-seat Corporation of America, Philadelphia, Pa. Violet ray towel and soap cabinet. 149,081, Mar. 23.
- Michelsen, William O.: *See*—
Veltman, John C., and Michelsen.
- Mickus, Joseph P., Newark, N. J. Toy bank or similar article. 149,370, Apr. 20.
- Middleton, Lois E., Oakland, Calif. Combined spoon and cup measurer. 151,282, Oct. 5.
- Midwestern Metal Products Co., assignee: *See*—
Darr, Harold W.
- Mildwoif, George H., New York, N. Y. Furniture base or similar article. 152,013, Dec. 7.
- Milford Crane & Machine Co., assignee: *See*—
Rossner, Emery.
- Miller, Arthur, New York, N. Y. Orange peeler. 152,205, Dec. 28.
- Miller, Edith J. B., assignor to Associated Products, Inc., Chicago, Ill. Bottle cap. 151,283, Oct. 5.
- Miller, Gregory, and M. Sinderman, Los Angeles, Calif. Motor vehicle. 150,999, Sept. 14.
- Miller, Henry, Newark, N. J. Wrist watch bracelet. 149,661, May 18.
- Miller, Hercheal W., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Clothes drier or similar article. 150,022, June 22.
- Miller, James B., Webster Groves, assignor to Mines Equipment Company, St. Louis, Mo. Electric attachment plug. 149,433, Apr. 27.
- Miller, Jerome J., Ottoville, Ohio. Toy airplane. 150,023, June 22.
- Miller, Judd L., Chicago, Ill., assignor to Chester Hyman, Los Angeles, Calif. Lamp base. 150,024, June 22.
- Miller, Kenneth K., Kalamazoo, Mich. Atomizer. 150,436, Aug. 8.

- Miller, Lottie K.: *See*—
Miller, Meyer M. and L. K.
Miller, Marshall E., Catasauqua, Pa. Lamp stand. 152,014, Dec. 7.
Miller, Meyer M. and L. K., Baltimore, Md. Portable shelf unit. 148,479, Jan. 27.
Miller, Nels A., Oak Park, assignor to J. P. Seeburg Corporation, Chicago, Ill. Cabinet for automatic phonographs. 148,316, Jan. 6.
Miller, Paul, Muncie, Ind. Combined hammer and pounding toy. 150,437, Aug. 3.
Miller, Robert P., Ann Arbor, Mich. Front panel for music boxes or cabinets. 150,640, Aug. 17.
Miller, Willis H., Dallas, Tex. Book end or similar article. 149,082, Mar. 23.
Milligan, Addison S.: *See*—
Cravero, Joseph A., and Milligan.
Mills Industries, Incorporated, assignee: *See*—
Martling, Walter L., Jr.
Meagher, Fred L.
Millsbaugh, Cedric E., Westlake, Ohio, assignor to Union-National, Inc., Jamestown, N. Y. Drop-leaf extension table. 151,000, Sept. 14.
Milsteel Products Co., assignee: *See*—
Busch, Fred W.
Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
Mine Safety Appliance Company, assignee: *See*—
Haller, Robert B.
Minervini, Rinaldo, Detroit, Mich. Candlestick holder. 148,378, Jan. 13.
Mines Equipment Company, assignee: *See*—
Miller, James B.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 149,627, June 1.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 150,310, July 20.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,115, Dec. 14.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,116, Dec. 14.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 152,166, Dec. 21.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Kronmiller, Carl G.
Minor, Robert B., Richmond, Va. Pay roll calculator. 150,803, Aug. 31.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Shaffer, Alfred E.
Shaffer, Alfred W., and Morningstar.
Mistletoe Children's Products, Inc., assignee: *See*—
Shelton, Irving.
Mitchell, Edwin C.: *See*—
Crawford, Marion B., and Mitchell.
Mitchell Manufacturing Company, assignee: *See*—
Goebel, Herman L.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 150,641, Aug. 17.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 150,642, Aug. 17.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 150,643, Aug. 17.
Mitzel, George E., assignor to M & M Food Products Company, Seattle, Wash. Combined frankfurter sandwich and stick handle. 149,511, May 4.
Moberg, Jerome E., Ellicottville, N. Y., assignor to A. E. Taylor, Detroit, Mich. Cabinet. 149,434, Apr. 27.
Mock, Charles L., Newark, Ohio. Lawn swing or similar article. 149,900, June 8.
Modarelli, James J., Berea, assignor to The San Hygiene Upholstery Company, Akron, Ohio. Upholstered chair. 150,721, Aug. 24.
Modern Plastic Co., assignee: *See*—
Ballard, Wade E.
Carr, Charles M.
Moe Brothers Manufacturing Company, assignee: *See*—
Boutelle, Allen O., and Kuder.
Stevens, Clifford B.
Moeller, Carl G., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Theatre. 149,291, Apr. 13.
Moffat, Charles L., assignor to Moffats Limited, Weston, Ontario, Canada. Combined oven and grill. 151,384, Oct. 12.
Moffats Limited, assignee: *See*—
Moffat, Charles L.
Moholy-Nagy, Laszlo, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen receptacle unit. 150,311, July 20.
Moholy-Nagy, Laszlo, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen receptacle unit. 150,312, July 20.
Moholy-Nagy, Laszlo, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen receptacle unit. 150,313, July 20.
Moloney, Raymond T., assignee: *See*—
Nicholson, Ralph A.
Nimitz, John W.
Mont, James, New York, N. Y. Table. 150,155, July 6.
Montague, Gerald C., Urbana, Ohio. Parts box. 152,167, Dec. 21.
Montgomery Ward & Co., Incorporated, assignee: *See*—
Greer, Carl S., Jr.
Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Motion picture projector. 148,480, Jan. 27.
Mooney, Charles, Waco, Tex. Abacus. 149,083, Mar. 23.
Moore, Allan, Sacramento, Calif. Lamp. 148,317, Jan. 6.
Moore, Arthur T., Fayetteville, N. C. Building. 149,292, Apr. 13.
Moore, Joseph R., Fort Worth, Tex. Fishing lure. 149,136, Mar. 30.
Moore, Walter E., St. Louis County, assignor to National Vendors Inc., St. Louis, Mo. Candy vending machine. 151,063, Sept. 21.
Moore, Walter E., St. Louis County, assignor to National Vendors Inc., St. Louis, Mo. Cigarette vending machine. 151,064, Sept. 21.
Moore, Willard C., Dayton, Ohio. Extension oil drain or similar article. 152,015, Dec. 7.
Moore, William A.: *See*—
Hawkins, Douglas F., and Moore.
Moran, Harold J., Trenton, S. P. McPhillips, Hamilton Square, and V. A. Mead, assignors to M. & M. Products Co., Trenton, N. J. Plaque. 150,025, June 22.
Morenstein, Murray, New Rochelle, N. Y. Lady's handkerchief. 150,244, July 13.
Morfesi, Eugene S., Flushing, N. Y. Meat holder. 152,117, Dec. 14.
Morin, Luke O., Jr., and S. Warner, Lookout Mountain, assignors to Chattanooga Implement & Manufacturing Co., Chattanooga, Tenn. Heater or similar article. 148,318, Jan. 6.
Moritt, Irving J., assignee: *See*—
Bell, Sidney R.
Morningstar Corporation, The, assignee: *See*—
Morningstar, Otto.
Morningstar, Leo D.: *See*—
Shaffer, Alfred E., and Morningstar.
Morningstar, Otto, Newton, assignor to The Morningstar Corporation, Cambridge, Mass. Toothbrush holder. 148,633, Feb. 10.
Morris, Harry, Chicago, Ill. Handbag or similar article. 149,293, Apr. 13.
Morris, Richard B., Quincy, Ill. Jig-saw puzzle. 151,284, Oct. 5.
Morrison Knitwear Co., Inc., assignee: *See*—
Rosen, Morris W.
Morrison, Laurence B., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand or similar article. 151,781, Nov. 16.
Morrow, John B.: *See*—
Mandolf, Henry I., and Morrow.
Morse, Charles F., Jr., Shaker Heights, Ohio, assignor to Cleveland Base Ball Corporation. Statuette. 149,828, June 1.
Morse, Milton, New York, N. Y. Screw-cap loosener. 149,581, May 11.
Mortensen, Clarence L., Dallas, Tex. Shears. 152,118, Dec. 14.
Moseley, Ethel W., Richmond, Va. Stockroom counter. 149,512, May 4.
Most, Lucifer J., Dover, N. J. Tip for a mechanical pencil. 152,206, Dec. 28.
Motion Picture Research Council, Inc., assignee: *See*—
Crot, André.
Motorola, Inc., assignee: *See*—
Jenks, Albert L.
Reinecke, Jean O.
Motter, Charles S., Chicago, Ill. Corner wall cabinet. 148,940, Mar. 9.
Mueckler, William J.: *See*—
Smith, Lee, and Mueckler.
Muller, Carl H., St. Louis, Mo. Toy food mixer. 148,941, Mar. 9.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Hartford Products Corporation, Chicago, Ill. Percolator or the like. 149,513, May 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Prophy-lactic Brush Company, Northampton, Mass. Hairbrush. 149,964, June 15.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Prophy-lactic Brush Company, Northampton, Mass. Hairbrush. 149,965, June 15.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Prophy-lactic Brush Company, Northampton, Mass. Mirror. 150,644, Aug. 17.
Mullins Manufacturing Corporation, assignee: *See*—
Stanitz, Jacques.
Mumford, Olin, Atlanta, Ga. Combined hat and radio or similar article. 150,245, July 13.
Mungen, Edward S., Manhattan Beach, assignor to Cal-Pan Associates, Inglewood, Calif., a copartnership consisting of H. L. and E. C. Trautmann. Steering wheel knob. 149,829, June 1.
Munn, Carolyn N., New York, N. Y. Handbag. 151,782, Nov. 16.
Murdock Mfg. & Supply Co., The, assignee: *See*—
Bart, Thomas E.

- Murphy, Charles E., assignor to Mursen of Red Wing, Inc., Red Wing, Minn. Clock. 150,089, June 29.
- Murphy, Charles E., assignor to Mursen of Red Wing, Inc., Red Wing, Minn. Clock. 150,090, June 29.
- Murphy, Charles E., assignor to Mursen of Red Wing, Inc., Red Wing, Minn. Clock. 150,091, June 29.
- Murphy, Frank L., and James E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 152,119, Dec. 14.
- Murphy, Gerald, assignor to Mark Cross Company, New York, N. Y. Handbag or the like. 152,120, Dec. 14.
- Murray Corporation of America, The, assignee: *See*—Trombley, Bertrand N.
- Murray, Robert A.: *See*—Hvale, James L., and Murray.
- Murray, Victor E., assignor of three-fifths to W. O. Mashburn, Jr., and one-fifth to R. A. Black, Cincinnati, Ohio. Egg opener and divider or similar article. 150,438, Aug. 3.
- Mursen of Red Wing, Inc., assignee: *See*—Murphy, Charles E.
- Mustee, Bernard E., assignor to E. L. Mustee, Cleveland, Ohio. Water heater. 149,765, May 25.
- Mustee, Emil L., assignee: *See*—Mustee, Bernard E.
- Myers, Louis, Rockford, Ill. Ice cream disher. 149,766, May 25.
- Myers, Lawrence: *See*—Rose, Leo, Myers, and Richter.
- Myers, Warren J.: *See*—Strnard, Harry I., and Myers.
- Myerson, Simon, Brookline, Mass. Card for artificial teeth or similar article. 150,509, Aug. 10.
- Nadherny, Russell J., assignor to Athey Products Corporation, Chicago, Ill. Material handling and loading apparatus. 150,092, June 29.
- Nagel, John D., and W. Lang, Chicago, Ill. Combined bowling game device and ash tray. 151,385, Oct. 12.
- Nagin, Harry S., Philadelphia, and E. Werner, Pittsburgh, assignors to Reliance Steel Products Company, McKeesport, Pa. Chassis seat for glider. 150,093, June 29.
- Nagin, Harry S., Philadelphia, and E. Werner, Pittsburgh, assignors to Reliance Steel Products Company, McKeesport, Pa. Glider. 150,094, June 29.
- Nagy, Alexander R., New York, N. Y. Electrical connecting plug housing. 148,379, Jan. 13.
- Naiden, Anthony, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del. Waste receptacle. 148,813, Feb. 24.
- Naiden, Anthony, Southwick, Mass., assignor to The Coca-Cola Company, Wilmington, Del. Beverage dispenser. 148,942, Mar. 9.
- Naiden, Anthony, Southwick, Mass., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del. Beverage dispenser. 151,650, Nov. 2.
- Na Mac Products Corp., assignee: *See*—Daniels, Elmer H.
- Narragansett Machine Company, assignee: *See*—Gambardella, Ralph.
- Nassif, David, Woburn, Mass. Barbecue cooker. 148,943, Mar. 9.
- National Casket Company, Inc., assignee: *See*—Thygeson, Arthur T., and Schladermundt.
- National Dairy Products Corporation, assignee: *See*—Harris, William M.
- National Desk Company, Inc., assignee: *See*—Spence, Edmund J.
- National Die Casting Company, assignee: *See*—Kline, Herbert J.
- National Marking Machine Company, The, assignee: *See*—Cunningham, Walter C.
- National Silver Company, assignee: *See*—Weeber, Marion.
- National Vendors Inc., assignee: *See*—Moore, Walter E.
- Narey, Peter, North Little Rock, Ark. Ash tray. 150,369, July 27.
- Neagle, Charles F.: *See*—Turner, Edgar P., and Neagle.
- Neff, Joseph J., South Euclid, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Inner race gauge. 150,248, July 13.
- Negbauer, H., & Co., assignee: *See*—Treis, Herman G.
- Nell, Milton C., Los Angeles, Calif. Combination tool. 150,156, July 6.
- Neill, Frank E., Detroit, assignor of one-half to R. H. Meigs, Dearborn, Mich. Radio broadcast receiver. 149,435, Apr. 27.
- Nelissen, Peter C., Chicago, Ill. Electric razor. 150,439, Aug. 3.
- Nellen, Arthur H., Merlon Park, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 149,662, May 18.
- Nellen, Arthur H., Merlon Park, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 149,663, May 18.
- Neller Mfg. Co., assignee: *See*—Neller, Robert J.
- Neller, Robert J., Appleton, Wis. Lapel and pocket badge or similar article. 148,558, Feb. 3.
- Neller, Robert J., assignor to Neller Mfg. Co., Appleton, Wis. Lapel and pocket badge or similar article. 149,436, Apr. 27.
- Nelson, Adolph J., Oak Park, assignor to Rubber Products, Inc., Chicago, Ill. Electric clock. 149,767, May 25.
- Nelson, Adolph J., Oak Park, assignor to Boyco, Inc., Chicago, Ill. Clock. 150,804, Aug. 31.
- Nelson-Bringolf, Inc., assignee: *See*—Nelson, William A.
- Nelson, Charles P., Santa Monica, Calif. Automobile frame. 149,830, June 1.
- Nelson, Fred P., Minneapolis, Minn. Pushcart. 149,437, Apr. 27.
- Nelson, Robert W., Minneapolis, Minn. Shrimp knife. 149,084, Mar. 23.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,634, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,635, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,636, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,637, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,638, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,639, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,640, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,641, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,642, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,643, Feb. 10.
- Nelson, William A., assignor to Nelson-Bringolf, Inc., Houston, Tex. Belt buckle. 148,644, Feb. 10.
- Nemeth, Otto R., Chicago, Ill. Projector. 152,207, Dec. 28.
- Nemzer, Roy: *See*—Goldman, Robert, and Nemzer.
- Nessen, Walter F., Prospect Heights, assignor to Free Sewing Machine Co., Rockford, Ill. Sewing machine head. 149,137, Mar. 30.
- Nettleton, Fred E., Saginaw, Mich. Dual wrench or the like. 150,314, July 20.
- Neufeld, Leonard C., assignor to Fol-Dee Seat Company, Des Moines, Iowa. Child's foldable toilet seat. 149,204, Apr. 6.
- Nevell, Thomas G. W., Riverside, Conn., assignor to The FR Corporation, New York, N. Y. Photographic film developing tank, or similar article. 148,814, Feb. 24.
- Nevell, Thomas G., Riverside, Conn., and F. Samet, assignors to The FR Corporation, New York, N. Y. Photographic film and print tray or similar article. 148,944, Mar. 9.
- Neville, Rey W., Trinity, assignor to Tomlinson of High Point, High Point, N. C. Cabinet. 150,722, Aug. 24.
- Newark Stove Company, assignee: *See*—Reinecke, Jean O.
- New England Carbide Tool Company, Inc., assignee: *See*—Chapin, Bernard L., Davis, and Cabot, Jr.
- New England Trawler Equipment Co., assignee: *See*—Peterson, Charles F.
- Newhall, John K., Aurora, Ill. Stock tank heater. 149,138, Mar. 30.
- Newman, Herbert A., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. X-ray table. 150,510, Aug. 10.
- Newman, Monroe H., assignor to Duranol Products, Inc., Brooklyn, N. Y. Display stand or similar article. 149,205, Apr. 6.
- Newman, Monroe H., assignor to Duranol Products, Inc., Brooklyn, N. Y. Display stand or similar article. 149,294, Apr. 13.
- Newman, Monroe H., assignor to Duranol Products, Inc., Brooklyn, N. Y. Display stand or similar article. 149,966, June 15.
- Newman, Nathan S., Denver, Colo. Meat platter or similar article. 149,085, Mar. 23.
- New Plastic Corporation, assignee: *See*—Jahn, Walter K.
- Nichols, Henry L., Los Angeles, Calif. Fruit jar and bottle opener. 151,065, Sept. 21.
- Nichols, Sunshine, Miami Beach, Fla. Beauty salon drying lounge. 150,247, July 13.
- Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Casing for a beverage dispenser. 150,026, June 22.
- Nicro Steel Products, Inc., assignee: *See*—Wohl, Harry.
- Niederhausen, William, and C. D. Hamilton, New York, N. Y. Crêche. 148,319, Jan. 6.
- Nield, Douglas, Dinas Powis, Wales. Clothes peg. 151,651, Nov. 2.
- Nimtz, John W., also known as John W. Nimtz, assignor to Raymond T. Moloney, Chicago, Ill. Coin head. 152,121, Dec. 14.
- Nimtz, John W.: *See*—Nimtz, John W.
- Nineteen Hundred Corporation, assignee: *See*—Geldhof, Peter E.
- Ninon Brasserie Mfg. Co., assignee: *See*—Keller, Edward.
- Nisenson, Jules, New York, N. Y. Electric barbecue roaster or similar article. 149,664, May 18.

- Nissen, Hans G., assignor of one-half to A. I. Martin, New York, N. Y. Vending machine cabinet or similar article. 151,386, Oct. 12.
- Nitardy, Carl, New York, N. Y., assignor to Sylvania Electric Products Inc., Salem, Mass. Adjustable fluorescent lighting fixture. 151,855, Nov. 23.
- Nohlitt-Sparks Industries, Incorporated, assignee: *See*—Karstadt, Clarence.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 149,768, May 25.
- Noel, Harvey V., Dayton, Ohio. Baby chair. 148,380, Jan. 13.
- Nolan Company, The, assignee: *See*—Merritt, Glenn W.
- Noma Electric Corporation, assignee: *See*—Hand, Thomas L.
Larsen, Olaf F., Jr.
- Norato, Grace, Providence, R. I. Brooch or similar article. 150,027, June 22.
- Nordmark, Walter E., Grand Rapids, Mich. Folding chair. 149,665, May 18.
- Norman, Arthur W., Largo, Fla., assignor to The Hobart Manufacturing Company, Troy, Ohio. Vegetable slicer. 151,856, Nov. 23.
- Norman, Bert T., assignor to S. B. and V. M. Holley, Los Angeles, Calif. Chicken picking finger unit. 149,086, Mar. 23.
- North American Aviation, Inc., assignee: *See*—Henrichsen, Knut.
- Northrop Aircraft, Inc., assignee: *See*—Northrop, John K., and Ashkenas.
- Northrop, John K., Los Angeles, and I. L. Ashkenas, Beverly Hills, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. All-wing airplane. 149,666, May 18.
- Norwood Company, The, assignee: *See*—Geib, Charles A.
- Novin, Joseph, Bronx, N. Y. Lighting fixture. 150,095, June 29.
- Nozewski, Henry A., Detroit, Mich. Toy figure. 149,010, Mar. 16.
- Nuffer, Joseph H., Toledo, Ohio, and L. H. Latta, Los Angeles, Calif., assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner casing. 148,945, Mar. 9.
- Nulty, William B., assignee, trustee, et al.: *See*—Shepard, Ernest L.
- Nusbaum, David, Newark, N. J. Cigarette dispenser. 149,371, Apr. 20.
- Nutone, Incorporated, assignee: *See*—Waltman, Chauncey E.
- Oberwinder, John F., St. Louis, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Book end. 150,723, Aug. 24.
- Oberwinder, John F., St. Louis, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Book end. 150,724, Aug. 24.
- O'Brien, John V., Park Ridge, Ill. Combined casing and stand for pipe-cleaning apparatus. 150,096, June 29.
- O'Brien, Vincent P., New York, N. Y. Christmas tree ornament. 149,967, June 15.
- O'Brien, Vincent P., Belle Harbor, N. Y. Christmas tree ornament. 150,511, Aug. 10.
- O'Connell, Daniel C., assignor to Sterno, Inc., New York, N. Y. Chafing dish. 150,157, July 6.
- O'Connell, Richard, assignor to The Roc Industrial Corp., New York, N. Y. Diffusing shield for a tubular lamp. 151,066, Sept. 21.
- O'Connor, Burdett H., Montclair, N. J. Houseboat. 149,667, May 18.
- O'Dea, Martin J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens rim material for spectacle frames. 152,208, Dec. 28.
- Odin Corporation, assignee: *See*—Svenson, Ernest J.
- O'Donnell, George J., Waterbury, Conn. Playing card. 148,946, Mar. 9.
- Oehrlein, Willard J.: *See*—Stevens, Clifford B., Oehrlein, and Lechtenberg.
- Oehrlein, Willard J., L. J. Lechtenberg, and C. B. Stevens, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Portable internal-combustion engine. 148,381, Jan. 13.
- Oertle, Lawrence C., Milwaukee, and T. Rostan, Hales Corners, Wis. Motor bike. 149,968, June 15.
- Offen, Matthew D.: *See*—Glanz, Eugene B., and Offen.
- Ohio Porcelain Company, assignee: *See*—Potts, Clifford.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 149,438, Apr. 27.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 149,439, Apr. 27.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light bowl. 149,440, Apr. 27.
- Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Front plate for electric room heating units. 152,122, Dec. 14.
- Oiljak Manufacturing Co., Inc., The, assignee: *See*—Vogel, Fenick A.
- O'Keefe, Daniel P., Los Angeles, Calif. Cooking stove. 149,372, Apr. 20.
- Olevin, Adolph, Brooklyn, N. Y. Combined compact and lipstick holder. 148,815, Feb. 24.
- Olin Industries, Inc., assignee: *See*—Kopp, Walter R.
- Olin, Norman E., New York, N. Y. Display tray. 148,947, Mar. 9.
- Olmsted, Roger W., San Mateo, Calif. Billboard frame molding. 150,725, Aug. 24.
- Olsen, Niels H. F., Dearborn, Mich. Air filter. 151,464, Oct. 19.
- Olsen, Otto, Detroit, Mich. Marlinespike. 149,901, June 8.
- Oneida Ltd., assignee: *See*—Allen, Grosvenor N., and Gerth.
- Onondaga Pottery Company, assignee: *See*—Wigley, John T.
- Operadio Manufacturing Co., assignee: *See*—Whyte, Ruth L.
- Orange-Crush Company, assignee: *See*—Doyle, Robert A., and Dawson.
- Oriolo, Joseph, Bergenfield, N. J., and M. Shull, Scarsdale, N. Y. Combined comb and receptacle. 148,382, Jan. 13.
- Orme, Wilbur L., Cambridge, Ohio. Candelabrum or similar article. 151,087, Sept. 21.
- Ornas, Theodore: *See*—La Barre, Dwight, and Ornas.
- Orsatti, Ernie R., Los Angeles, Calif. Combined necklace, armband, and bracelet. 150,248, July 13.
- Osborne, Addis, assignor to Marshall Field & Company, Chicago, Ill. Display figure. 150,028, June 22.
- Ostby & Barton Company, assignee: *See*—Anitole, Nicholas.
- Oster, Edna M., assignor to Kewaskum Utensil Company, Kewaskum, Wis. Utensil handle. 151,704, Nov. 9.
- Ostheimer, Emil J., Woodside, Long Island, N. Y. Bracelet. 148,433, Jan. 20.
- Ostheimer, Emil J., Woodside, Long Island, N. Y. Bracelet. 148,559, Feb. 3.
- Ostrander, Albert A., Pleasantville, and L. A. Kalech, New York, N. Y. Portable theatrical stage. 149,831, June 1.
- Otto, Carl L., assignor to The Aviation Corporation, New York, N. Y. Faucet unit. 149,206, Apr. 6.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,383, Jan. 13.
- Ovenshire, Clyde A., Berkeley, Calif. Combination baking dish, griddle, and dutch oven. 148,948, Mar. 9.
- Owens-Illinois Glass Company, assignee: *See*—Alderson, William F.
Sutter, John H.
Wagner, Franz.
- Owen, William E., Jr., Cedar Rapids, Iowa. Combination compass, protractor, and ruler. 148,434, Jan. 20.
- Owens, Wayne F., Sheridan, Wyo., assignor to Boeing Aircraft Company, Seattle, Wash. Egg beater or the like. 149,011, Mar. 16.
- Oxenfeld, Charles K., St. Louis, Mo. Handbag. 148,561, Feb. 3.
- Packales, Sidney, New York, N. Y. Chatelaine pin. 148,384, Jan. 13.
- Packard, Harold C., Portland, Oreg. Combined fireplace screen and fender. 151,525, Oct. 26.
- Packard Manufacturing Corporation, assignee: *See*—Ardner, Robert L.
- Packard Motor Car Company, assignee: *See*—Macauley, Edward.
Pietsch, Theodore W.
Yaeger, Howard F.
- Padilla, Aurora C., assignee: *See*—Baca, Cristobal.
- Paessler, Reinhard A., West New York, N. J. Lace medallion. 149,373, Apr. 20.
- Page, Carl G., Jamestown, N. Y. Window-ledge lamp. 149,668, May 18.
- Page, William M., Marblehead, Mass. Slipper. 152,209, Dec. 28.
- Paley, Albert A., Kew Gardens, assignor to Paley Manufacturing Corporation, Brooklyn, N. Y. Open type self-service frosted food display cabinet. 148,717, Feb. 17.
- Paley Manufacturing Corporation, assignee: *See*—Paley, Albert A.
- Palmer, Alvin M., Los Angeles, and F. W. Rodgers, Pacoima, Calif. Bag-grasping device. 149,375, Apr. 20.
- Palmer, Oscar C., Phoenix, Ariz. Evaporative cooler casing. 150,440, Aug. 3.
- Paneva Corporation, assignee: *See*—Anderson, Lloyd L., and Hefferan.
- Pankonin, William G., Chicago, Ill. Wire staple removing tool. 151,857, Nov. 23.
- Panogear Industries, assignee: *See*—Fishter, Jacob F.
- Panzer, William C., Chicago, Ill. Serving tray for glasses or the like. 148,883, Mar. 2.
- Papitto, Gene: *See*—Lolli, John, and Papitto.
- Parfum L'Orle, Inc., assignee: *See*—Levy, Abraham.
- Parker, Edwin D., assignor to The Parker Pattern and Foundry Company, Springfield, Ohio. Lawn sweeper. 151,526, Oct. 26.
- Parker, Edwin D., assignor to The Parker Pattern and Foundry Company, Springfield, Ohio. Lawn sweeper. 151,527, Oct. 26.

- Parker, Humphrey F., Buffalo, N. Y. Puller hoist. 152,123, Dec. 14.
- Parker, Humphrey F., Buffalo, N. Y. Puller hoist. 152,124, Dec. 14.
- Parker Pattern and Foundry Company, The, assignee: *See—*
- Parker, Edwin D.
- Parker Pen Company, The, assignee: *See—*
- Moholy-Nagy, Laszlo.
- Parker Products Company, assignee: *See—*
- Cameron, Paul P.
- Parker, Ralph A., Melrose, Mass. Man's athletic shoe or similar article. 149,139, Mar. 30.
- Parker, Ralph E., assignor to J. P. Carver, Wichita, Kans. Combined tricycle and trailer. 149,012, Mar. 16.
- Parker, Samuel C.: *See—*
- Hardeman, William E., and Parker.
- Parker Watch Company, assignee: *See—*
- Ackerman, Seymour.
- Parrilla, Arthur, and I. Pinski, New York, N. Y. Hockey game board. 150,249, July 13.
- Parsons Company, The, assignee: *See—*
- Vaughn, George A.
- Parsons, Wallace E., and W. H. Randall, Waterville, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, as trustee. Pack for fragile articles. 148,645, Feb. 10.
- Partlow, James P., Youngstown, Ohio. Combined cigarette case and lighter. 151,912, Nov. 30.
- Passio, Frank, Philadelphia, Pa. Pop toy. 150,441, Aug. 3.
- Patek, Benjamin, Bronx, N. Y. Jewelry component. 151,528, Oct. 26.
- Patent License Corporation, assignee: *See—*
- Arenberg, Albert L., and Zimmerman.
- Patterson, Edmund M., New York, N. Y. Textile fabric. 150,442, Aug. 3.
- Patterson, Edmund M., New York, N. Y. Textile fabric. 150,645, Aug. 17.
- Patterson, Edmund M., New York, N. Y. Textile fabric. 150,646, Aug. 17.
- Patterson, Edmund M., New York, N. Y. Textile fabric. 151,705, Nov. 9.
- Paulus, Edward F., Detroit, Mich. Ladder stand. 148,385, Jan. 13.
- Pauly, Bernard M., Springfield, Ohio. Bat. 150,805, Aug. 31.
- Paxton, Ethelbert T., Dearborn, assignor to Pico Company, Inc., Detroit, Mich. Pin-up lamp. 150,250, July 13.
- Pearl, Jack, Kew Gardens, assignor to Rich-Marc Mfg. Co., Inc., New York, N. Y. Ball pointed fountain pen or similar article. 150,647, Aug. 17.
- Pearl-Glo Corp., assignee: *See—*
- Skipp, Herbert J. A.
- Pearshall, Frederick J., Clayville, assignor to Imperial Pearl Co., Inc., Providence, R. I. Lapel pin. 149,140, Mar. 30.
- Peat, David B.: *See—*
- Lovejoy, Kenneth F., and Peat.
- Peck, Stow & Wilcox Company, The, assignee: *See—*
- Ludwick, William L.
- Peckwas, Edward M.: *See—*
- Kately, Mathias J., and Peckwas.
- Peeps, Donald J.: *See—*
- Gamble, Harold R., and Peeps.
- Peets, Wilbur J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine cabinet. 148,949, Mar. 9.
- Peister, David L., New York, N. Y. Embroidered trimming. 149,669, May 18.
- Pellegrin, Elmer D., Woodstock, Ill. Cooking range. 148,884, Mar. 2.
- Pemstein, Henry L., Washington, D. C. Magnifier. 148,816, Feb. 24.
- Pendriss, Michael, Burlington, Vt. Tobacco humidior. 150,512, Aug. 10.
- Penn, William D., Dallas, Tex. Hearing aid case. 148,320, Jan. 6.
- Pennino, Oreste, New York, N. Y. Brooch or similar article. 149,832, June 1.
- Pennino, Oreste, New York, N. Y. Brooch or similar article. 149,833, June 1.
- Pennino, Oreste, New York, N. Y. Brooch or similar article. 151,163, Sept. 28.
- Pennino, Oreste, New York, N. Y. Combined brooch and watch. 151,529, Oct. 26.
- Pennock, Robert L., Jr., Denver, Colo. Combined synchronizer and shutter tester. 149,514, May 4.
- Pennock, Robert L., Jr., Denver, Colo. Photographic enlarger. 149,670, May 18.
- Pennsylvania Rubber Company, assignee: *See—*
- Hoelzer, William F.
- Penobscot Shoe Company, assignee: *See—*
- Kagan, Max.
- Perelman, Albert A., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser cabinet for paper cups or the like. 152,210, Dec. 28.
- Perfection Stove Company, assignee: *See—*
- Raymond, David L.
- Perkins, Layton E., Milwaukee, Wis. Bottle closure. 149,834, June 1.
- Perl, Frederick W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation. Laundry machine. 151,001, Sept. 14.
- Perlman, David, Detroit, Mich. Game board. 149,374, Apr. 20.
- Perrin, Camille V., Grenoble, France, assignor to Perrin Glove Company, Inc., New York, N. Y. Glove. 149,515, May 4.
- Perrin, Camille V., Grenoble, France, assignor to Perrin Glove Company, Inc., New York, N. Y. Glove. 149,516, May 4.
- Perrin Glove Company, Inc., assignee: *See—*
- Perrin, Camille V.
- Petersen, Alfred H., Cairo, Nebr. Ice-cream dispensing implement. 149,671, May 18.
- Peterson, Charles F., Arlington, assignor to New England Trawler Equipment Co., Chelsea, Mass. Gasoline hoist. 149,013, Mar. 16.
- Peterson, Clyde A., Lewisburg, Pa., assignor to Westinghouse Electric Corporation. Combination record player and radio. 152,125, Dec. 14.
- Peterson, Edward R., Rockford, Ill. Ash tray and coaster combination. 148,718, Feb. 17.
- Peterson, Henry, Brooklyn, N. Y. Ring shank. 150,370, July 27.
- Peterson, Paul L., Los Angeles, Calif. Combined desk and bookcase. 150,883, Sept. 7.
- Peterson, Roy E., assignor, by mesne assignments, to Hotchkiss Realty Corporation, Norwalk, Conn. Piler type fastener setting device. 148,481, Jan. 27.
- Peterson, Roy E., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 149,441, Apr. 27.
- Peterson, Wilbur P., Independence, Mo. Compressor. 149,207, Apr. 6.
- Pettita, Mario, New York, N. Y. Hair curling device. 148,719, Feb. 17.
- Pettita, Mario, New York, N. Y. Combined hair curler and comb. 149,769, May 25.
- Peto, Conrad: *See—*
- Briskin, Jack, and Peto.
- Petry, Edward J., Jefferson City, Mo. Electric motor generator. 151,913, Nov. 30.
- Petry, John, New York, assignor to Raylite Electric Corporation, Bronx, N. Y. Illuminable bubbling device or the like. 148,950, Mar. 9.
- Pettigrew, James W., Spryfield, Nova Scotia, Canada. Television cabinet or similar article. 150,251, July 13.
- Petty, Byron T., Effingham, Ill. Garment hanger. 149,902, June 8.
- Pfeffer, David, New York, N. Y. Finger ring mounting. 151,285, Oct. 5.
- Pfifferling, Richard, New York, assignor to R. Rosen, Long Island City, N. Y. Shoe toe-cap stretcher. 148,951, Mar. 9.
- Phelan, Thomas V., Trenton, N. J. Ring. 150,726, Aug. 24.
- Phelps, Albert D., Jr., Babson Park, Mass. Ring toy or similar article. 148,952, Mar. 9.
- Phelps, William H., Ralston, Nebr. Rotary mowing machine. 149,969, June 15.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 148,386, Jan. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,387, Jan. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,388, Jan. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 148,389, Jan. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,390, Jan. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or similar article. 148,435, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,436, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 148,437, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,438, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,439, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 148,440, Jan. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,562, Feb. 3.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,563, Feb. 3.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,564, Feb. 3.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 148,565, Feb. 3.

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- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,711, Nov. 9.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,712, Nov. 9.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,783, Nov. 16.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,914, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,915, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,916, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,917, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,918, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,919, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,920, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,921, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,922, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 151,923, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,924, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 151,925, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,926, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,927, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,928, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,929, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,930, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,931, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,932, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 151,933, Nov. 30.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,016, Dec. 7.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,017, Dec. 7.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,126, Dec. 14.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 152,127, Dec. 14.
- Phillips, Eugene H., Glendale, assignor to Lennan Lights, Inc., Burbank, Calif. Flashlight. 149,672, May 18.
- Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grill guard for automobile radiators. 150,158, July 6.
- Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,652, Nov. 2.
- Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,653, Nov. 2.
- Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 151,654, Nov. 2.
- Phillips Petroleum Company, assignee: See—
St. Clair, Theodore A., and Eddy.
- Phil-Mar Mfg. Corp., assignee: See—
Blumenthal, David, and Seiden.
- Pichel, Irving, New York, N. Y. Handbag or similar article. 148,321, Jan. 6.
- Pichel, Irving, New York, N. Y. Handbag or similar article. 148,322, Jan. 6.
- Pichel, Irving, New York, N. Y. Handbag or similar article. 148,323, Jan. 6.
- Pichel, Irving, New York, N. Y. Handbag. 148,720, Feb. 17.
- Pico Company, Inc., assignee: See—
Paxton, Ethelbert T.
- Picture Recording Company, assignee: See—
Klotz, Edward C., Jr.
- Pieper, Alphonse F., Brighton, N. Y. Electric lamp. 149,904, June 8.
- Pierson, Raymond G., Jr.: See—
Hayes, Bertram H., and Pierson.
- Pietsch, Theodore W., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle hood ornament or similar article. 150,808, Aug. 31.
- Pike, Herbert: See—
Wriede, Philip P., and Pike.
- Pike, Stewart W., Audubon, N. J., assignor to Radio Corporation of America. Microphone unit or the like and pedestal therefor. 150,457, Aug. 3.
- Pike, Stewart W., Audubon, N. J., assignor to Radio Corporation of America. Microphone unit or the like and pedestal therefor. 150,458, Aug. 3.
- Pinsker, Irving: See—
Parrilla, Arthur, and Pinsker.
- Pitman-Dreitzer & Co., Inc., assignee: See—
Dreitzer, Albert J.
- Pitts, Arthur W., Tacoma, Wash. Nebulizer or the like. 148,573, Feb. 3.
- Pitzer, Starr L., assignor to Continental L-P Products Company, Dallas, Tex., a partnership consisting of S. L. Pitzer and K. Eldon. Dispensing head for a butane system. 150,459, Aug. 3.
- Pla, Ferdinand P., Buffalo, N. Y. Dispensing head or the like. 148,482, Jan. 27.
- Plainville Stock Company, assignee: See—
Weisman, Julius.
- Plastal Corporation, assignee: See—
Swikart, George.
- Plastic Art Toy Corporation of America, assignee: See—
Robinson, James P.
- Plastic Treasures, Inc., assignee: See—
Sawyer, Albert B.
- Platt, Joseph B., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 149,216, Apr. 6.
- Platt, Joseph B., New York, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 150,252, July 13.
- Platt, Joseph B., assignor to Ponds Extract Company, New York, N. Y. Bottle. 152,211, Dec. 28.
- Playford, Benjamin F., Cape May, N. J. Stocking. 152,018, Dec. 7.
- Plieger, William A., San Francisco, Calif. Kitchen stove ventilator. 149,771, May 25.
- Plein, Henry M., New York, N. Y. Brassière. 151,934, Nov. 30.
- Plocky, Gustave F.: See—
Sherry, Victor, and H. A. and G. F. Plocky.
- Plocky, Harry A.: See—
Sherry, Victor, and H. A. and G. F. Plocky.
- Plourde, Frank: See—
Plourde, Ned and F.
- Plourde, Ned and F., Gaastra, Mich. Lawn chair. 148,391, Jan. 13.
- Poche, John M., New Orleans, La. Camp trailer. 151,400, Oct. 12.
- Polaroid Corporation, assignee: See—
Baratelli, Charles A.
Baratelli, Charles A., Chin, and Marsh.
Fairbank, Murry N.
Land, Edwin H.
Teague, Walter D.
Teague, Walter D., Ensign, Beal, and Fairbank.
Whittier, Sidney B.
Wolff, Otto E.
- Polivka, John N., Minneapolis, Minn., and F. Collura, New York, N. Y., assignors to General Mills, Inc. Control button for electric iron. 150,652, Aug. 17.
- Pollock, Albert E., New York, N. Y. List finder. 149,141, Mar. 30.
- Pomatti, Renato, Beacon, N. Y. Brooch or similar article. 151,401, Oct. 12.
- Pommier, Henry, New York, N. Y. Combined wrist watch bracelet and watch case. 150,653, Aug. 17.
- Pond's Extract Company, assignee: See—
Platt, Joseph B.
- Poor, Joseph F., Wenham, and C. T. Baxter, Beverly, assignors to Salem Manufacturing Company, Salem, Mass. Fluorescent desk lamp. 149,142, Mar. 30.
- Poore, Edward E., and J. O. Wagner, Sandusky, Ohio. Lamp. 148,817, Feb. 24.
- Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio cabinet. 148,324, Jan. 6.
- Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Cabinet for a radio-phonograph. 148,325, Jan. 6.
- Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio phonograph cabinet. 148,326, Jan. 6.
- Portanova, Joseph D., assignor to Hoffman Radio Corporation, Los Angeles, Calif. Radio cabinet. 148,574, Feb. 3.
- Post, Jessie G., Ridgewood, N. J. Earring or similar article. 150,029, June 22.

- Post, Jordan A., Detroit, Mich. Lamp base. 148,886, Mar. 2.
- Potter, Berlee M., El Dorado, Kans. Fish lure. 152,168, Dec. 21.
- Potter, Bill J., Fort Worth, Tex. Ash tray. 149,143, Mar. 30.
- Potts, Clifford, assignor to L. A. and A. A. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Wall vase or article of similar nature. 149,144, Mar. 30.
- Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,212, Dec. 28.
- Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,213, Dec. 28.
- Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Ash tray or similar article. 152,214, Dec. 28.
- Potts, Evelyn M., Grand Ledge, Mich. Baby shoe. 148,954, Mar. 9.
- Potts, Thomas A., Ware, and H. V. Waskiewicz, Warren, Mass. Collapsible utility boat. 151,467, Oct. 19.
- Potts, Thomas A., Ware, and H. V. Waskiewicz, Warren, Mass. Collapsible kayak boat. 151,468, Oct. 19.
- Powell, Herman, assignee: *See*—
Lorenz, Henry T.
- Powers Manufacturing Company, assignee: *See*—
Powers, Richard E.
- Powers, Richard E., assignor to Powers Manufacturing Company, Los Angeles, Calif. Stapling device. 150,809, Aug. 31.
- Pratt Manufacturing Company, assignee: *See*—
Sundberg, Carl W.
- Preaus, Charles M., assignor of one-half to C. E. Ross, Tulsa, Okla. Umbrella. 151,655, Nov. 2.
- Price, Charles P., Boston, Mass. Gas heater. 150,727, Aug. 24.
- Price, Edwin P., Jr., Wilmette, Ill. Merchandise display device or similar article. 149,376, Apr. 20.
- Proctor Electric Company, assignee: *See*—
Dailey, Donald E.
- Price, Edmund T., assignor to Solar Aircraft Company, San Diego, Calif. Port leg flange. 150,460, Aug. 3.
- Price, Edward V. and V. E., Van Nuys, Calif. Stool or similar article. 151,188, Sept. 28.
- Price, Gordon, Canton, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Display statuette or similar article. 152,215, Dec. 28.
- Price, Veronica E.: *See*—
Price, Edward V. and V. E.
- Priess, John L., Chicago, Ill. Perfume dispenser. 150,371, July 27.
- Primex Equipment Company, assignee: *See*—
Reinecke, Jean O.
- Prinz, Edward, St. Paul, Minn. Combined shelf and roll curtain wall protector. 148,721, Feb. 17.
- Pro-phy-lac-tic Brush Company, assignee: *See*—
Gustafson, Lewis H., and Halberstadt, Muller-Munk, Peter.
- Pullman-Standard Car Manufacturing Company, assignee: *See*—
Haman, Ralph W., and Kay, Murphy, Frank L., and Candlin, Jr.
- Pulp Reproduction Company, assignee: *See*—
Williams, Roger T.
- Puls, Alfred E., Cleveland, Ohio, assignor to Metropolis Bending Company, Metropolis, Ill. Canopy for use with children's furniture. 149,905, June 8.
- Puls, Alfred E., Cleveland, Ohio, assignor to Metropolis Bending Company, Metropolis, Ill. Canopy for use with children's furniture. 149,906, June 8.
- Pulver, Wilfrid A., Sherman Oaks, and A. E. Flock, Van Nuys, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 151,713, Nov. 9.
- Punke, John J.: *See*—
During, William J., and Punke.
- Punzak, Joseph F., and A. Levy, assignors to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y. Clock case. 149,021, Mar. 16.
- Pyle, L. L., assignee: *See*—
Kinard, Arthur C.
- Pyle, Richard M., Dallas, Tex. Heating casing. 151,935, Nov. 30.
- Quackenbush, Andrew, Clifton, N. J. Savings bank. 151,556, Oct. 26.
- Quaker Lace Company, assignee: *See*—
Hooven, Howard, Otto, Ferdinand P. Wolf, William.
- Quality Appliances, Inc., assignee: *See*—
Snyder, Leland H.
- Quethera, Joseph J., Trona, Calif. Combined brooch and lipstick holder. 152,216, Dec. 28.
- Quick Point Pencil Co., assignee: *See*—
Goessling, Gerald A.
- Quigley, Walter B., Columbus, Ohio. Boat. 149,839, June 1.
- Radebaugh, John F., Springfield, Mass. Radio cabinet or similar article. 148,818, Feb. 24.
- Radinsky, Jules, Seattle, Wash. Electric irradiation device or the like. 149,299, Apr. 13.
- Radio Corporation of America, assignee: *See*—
Pike, Stewart W. Rettinger, Michael, Stensgaard, William L.
- Ragland, Thomas J., Seattle, Wash. Tie-rack. 151,402, Oct. 12.
- Rahthus, Max, New York, N. Y. Jewelry finding. 149,442, Apr. 27.
- Rahthus, Max, New York, N. Y. Link chain for a necklace or similar article. 151,403, Oct. 12.
- Railley Corporation, assignee: *See*—
Bookman, Charles F., Jr., and Jammé.
- Raine, Russell W., and G. T. Derby, Jacksonville, Fla. Ash tray. 151,557, Oct. 26.
- Ramsay, Wayne: *See*—
Chapman, David, and Ramsay.
- Randall, Walter H.: *See*—
Parsons, Wallace E., and Randall.
- Randolph Laboratories, Inc., assignee: *See*—
Boal, Stewart.
- Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery cover. 152,169, Dec. 21.
- Raphaels, Edwin, New York, N. Y. Textile fabric. 150,654, Aug. 17.
- Rapp, Arthur C., Merced County, Calif. Bucket cart. 148,575, Feb. 3.
- Rappaport, Herbert: *See*—
Guzman, Samuel, and Rappaport.
- Rasbach, Melvin J., Wichita, Kans. One-wheel trailer. 148,327, Jan. 6.
- Raschke, William L., assignor to The Texas Tackle Company, Inc., Fort Worth, Tex. Combined fishing rod and reel. 149,772, May 25.
- Raschke, William L., Fort Worth, Tex. Artificial bait. 151,002, Sept. 14.
- Rath, Frank H., Garden City, N. Y. Handbag. 151,656, Nov. 2.
- Rath, Frank H., Garden City, N. Y. Combined handbag and compact. 151,858, Nov. 23.
- Rausch, John T., and G. Towne, Danville, Ill. Combined stand, electric heater, and fan. 151,189, Sept. 28.
- Rawson, Emanuel, Chicago, Ill. Milking machine claw. 151,003, Sept. 14.
- Rawson, Emanuel, Chicago, Ill. Milking machine pulsator. 151,004, Sept. 14.
- Raylite Electric Corporation, assignee: *See*—
Petry, John.
- Raymond, David L., South Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Water heater casing. 151,936, Nov. 30.
- Read, Julia, New York, N. Y. Garment hanger. 149,517, May 4.
- Read, Julia, New York, N. Y. Hanger or similar article. 151,404, Oct. 12.
- Readman, Bernard L., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic control panel. 148,722, Feb. 17.
- Reconstruction Finance Corporation, assignee: *See*—
Doblin, Jay B. Thomson, Ernest F.
- Redman, Harry, New York, N. Y. Coat. 150,253, July 13.
- Redman, Harry, New York, N. Y. Suit. 150,254, July 13.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Top burner assembly for gas cookstoves. 148,646, Feb. 10.
- Reeves, Herbert M., Kankakee, Ill., and Montgomery Ferar, Detroit, Mich., assignors to Florence Stove Company, Gardner, Mass. Gas cookstove. 150,516, Aug. 10.
- Reeves, Herbert M., Kankakee, Ill., and M. Ferar, Detroit, Mich., assignors to Florence Stove Company, Gardner, Mass. Gas cookstove. 150,728, Aug. 24.
- Regor, J. Edmund, Company: *See*—
Fruit, Edmund W.
- Rehm, William H. C., South Westerly, assignor to Clifford B. Hannay and Son, Inc., Westerly, N. Y. Hose reel. 152,217, Dec. 28.
- Rehrmann, Edward A., assignor to State Welding Works, Inc., New York, N. Y. Grill guard for automobile radiators. 151,405, Oct. 12.
- Reichmuth, Stephen A., St. Louis, Mo. Ring or the like. 152,020, Dec. 7.
- Reid, Rose M., Los Angeles, Calif. Bathing suit. 151,714, Nov. 9.
- Reifman, Leo, Jackson Heights, N. Y. Golf tee. 152,218, Dec. 28.
- Rego, David, Fall River, Mass. Book end. 152,019, Dec. 7.
- Reinecke, Esther, assignee, et al.: *See*—
Reinecke, Jean O.
- Reinecke, Jean O., Oak Park, assignor to A M I Incorporated, Chicago, Ill. Phonograph cabinet. 148,576, Feb. 3.
- Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Electric iron. 148,887, Mar. 2.
- Reinecke, Jean O., Oak Park, assignor to Primex Equipment Company, Chicago, Ill. X-ray shoe fitting cabinet. 149,088, Mar. 23.
- Reinecke, Jean O., Oak Park, assignor to Free Sewing Machine Co., Rockford, Ill. Sewing machine head. 149,145, Mar. 30.
- Reinecke, Jean O., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Space heater casing. 149,300, Apr. 13.
- Reinecke, Jean O., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Space heater casing. 149,301, Apr. 13.

- Reinecke, Jean O., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Space heater casing. 149,302, Apr. 13.
- Reinecke, Jean O., Oak Park, Ill., assignor to Newark Stove Company, Newark, Ohio. Kitchen range. 149,773, May 25.
- Reinecke, Jean O., Oak Park, assignor to Barnes & Reinecke, Chicago, Ill. Hand washboard. 149,971, June 15.
- Reinecke, Jean O., assignor of three-fourths to J. F. and M. M. Barnes, and E. Reinecke, Chicago, Ill. Combined bracelet and spoon. 150,655, Aug. 17.
- Reinecke, Jean O., Oak Park, assignor to Motorola, Inc., Chicago, Ill. Radio receiver cabinet. 151,406, Oct. 12.
- Reinecke, Jean O., Oak Park, Ill., assignor to Motorola, Inc. Automobile heater casing or the like. 151,469, Oct. 19.
- Reinecke, Jean O., Oak Park, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera. 152,021, Dec. 7.
- Reiner, Samuel J., New York, N. Y. Brassière. 151,937, Nov. 30.
- Reinhold, Albert C., executor: *See*—
Reinhold, John J.
- Reinhold, Emil, Chicago, Ill. Baby stroller. 150,255, July 13.
- Reinhold, Emil, Chicago, Ill. Baby carriage. 150,256, July 13.
- Reinhold, John J., deceased, Marietta, Pa.; A. C. Reinhold, executor. Advertising device or the like. 150,656, Aug. 17.
- Reinstein, Harry, Rye, N. Y. Necklace. 151,938, Nov. 30.
- Reinstein, Harry, Rye, N. Y. Necklace. 151,939, Nov. 30.
- Reis, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. 148,483, Jan. 27.
- Reis, John P., assignor to Amity Leather Products Co., West Bend, Wis. Combined billfold and coin purse. 148,955, Mar. 9.
- Reis, Louis, Cincinnati, Ohio. Cigarette holder. 148,819, Feb. 24.
- Reiter, George, New York, N. Y. Coat. 151,190, Sept. 28.
- Reiter, George, New York, N. Y. Suit. 151,191, Sept. 28.
- Reliance Steel Products Company, assignee: *See*—
Nagin, Harry S., and Werner.
- Rembrandt Lamp Corporation, assignee: *See*—
Hesly, Edward.
- Remco, John L., Wilkes-Barre, Pa. Front for a refrigerated dispensing cabinet. 150,257, July 13.
- Remington Rand Inc., assignee: *See*—
Streng, Jan.
- Renault, Anita M., Chicago, Ill. Puzzle or similar article. 151,657, Nov. 2.
- Rendler, Carl, Los Angeles, Calif. Cooking kit. 149,518, May 4.
- Renfuss, John W., Albany, N. Y. Andiron. 149,970, June 15.
- Renoir Parfums, Ltd., assignee: *See*—
Simpson, Adele.
- Renzelman, Garard, Denver, Colo. Child's cart. 148,441, Jan. 20.
- Renzi, A. J., Plastic Co., assignee: *See*—
Renzi, Florindo F.
- Renzi, Florindo F., assignor to A. J. Renzi Plastic Co., Leominster, Mass. Clothespin. 148,328, Jan. 6.
- Republic Molding Corporation, assignee: *See*—
Coltman, Bertram W.
- Reres, Mariano, Brooklyn, N. Y. Combined lamp and flower pot. 151,407, Oct. 12.
- Resnick, Morris, Passaic, N. J. Color comparator. 149,840, June 1.
- Ressinger, Paul M., Chicago, Ill. Display stand. 150,030, June 22.
- Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Recording studio building or the like. 151,715, Nov. 9.
- Revell, Louis A., Los Angeles, Calif. Ash tray. 152,022, Dec. 7.
- Revere Camera Company, assignee: *See*—
Briskin, Jack.
Briskin, Jack, and Golick.
Briskin, Jack, and Peto.
- Revere Copper and Brass Incorporated, assignee: *See*—
Welden, William A.
- Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Street lighting reflector. 149,972, June 15.
- Reynolds, David P., Louisville, assignor to Reynolds Metals Company, Richmond, Va. Holding case for bottles and the like. 149,519, May 4.
- Reynolds Metals Company, assignee: *See*—
Reynolds, David P.
Sundberg, Carl W.
- Reynolds, Philip, Forest Hills, N. Y. Ash tray. 150,159, July 6.
- Rezos, Louis H., Arlington, Va. Ash tray or the like. 149,588, May 11.
- Rhodes, Harold B., Hollywood, Calif. Combined article support and seat. 148,956, Mar. 9.
- Rhodes, Harold B., Hollywood, Calif. Miniature piano. 151,005, Sept. 14.
- Ribera, Lucien: *See*—
Malley, John F., and Ribera.
- Ricchiuti, Paul S., assignee: *See*—
Kately, Mathias J., and Peckwas.
- Rice, Franklin S., Cranston, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expandible bracelet. 148,888, Mar. 2.
- Rice, Lee, Homeland, Fla. Combination tool. 148,957, Mar. 9.
- Rich, Bernard W., assignor to Rich Brothers Corporation, New York, N. Y. Knife holder or similar article. 149,674, May 18.
- Rich Brothers Corporation, assignee: *See*—
Rich, Bernard W.
- Rich-Marc Mfg. Co., Inc., assignee: *See*—
Pearl, Jack.
- Richards, Harper, assignor to Cory Corporation, Chicago, Ill. Automatic beverage producer. 149,146, Mar. 30.
- Richards, Harper, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Molded bottle carrying case. 150,031, June 22.
- Richards, Harper, assignor to Cory Corporation, Chicago, Ill. Coffee maker stand. 150,315, July 20.
- Richards, Harry C., Morristown, N. J., assignor to Fosgood Corporation, Leominster, Mass. Sun goggle or the like. 148,577, Feb. 3.
- Richards, Kenneth D., Gardner, Mass. Fish lure. 149,217, Apr. 6.
- Richards, Kenneth D., Gardner, Mass. Fly box. 149,218, Apr. 6.
- Richards, Kenneth D., Gardner, Mass. Shot gun sight. 151,408, Oct. 12.
- Richards, Lillian, Hollywood, Calif. Jewelry finding. 149,841, June 1.
- Richardson Company, The, assignee: *See*—
Richards, Harper.
Shank, McConnell.
- Richardson Corporation, assignee: *See*—
Grover, Frederic S.
- Richardson, Davison M., Mobile, Ala. Letter opener or similar article. 150,657, Aug. 17.
- Richardson, Glenn, Baltimore, Md. Pliers for inserting cotter pins. 149,675, May 18.
- Richardson, William E., Detroit, Mich. Dispensing device for collapsible tube. 150,885, Sept. 7.
- Richeson, Sanford E., Brooklyn, and J. A. Allegro, Maspeth, N. Y. Pressure cooker. 148,442, Jan. 20.
- Richey, Mary B., North Hollywood, Calif. Finger ring or similar article. 148,723, Feb. 17.
- Richman, Frances, New York, N. Y. Ink container or similar article. 150,316, July 20.
- Richter, Edmund J., Moulton, Tex. Pin or similar article. 148,443, Jan. 20.
- Richter, Moses: *See*—
Rose, Leo, Myers, and Richter.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,219, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,220, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,221, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,222, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,223, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,224, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,225, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,226, Apr. 6.
- Riedel, Arno E., North Bergen, N. J., assignor to Ellen Lace & Embroidery Co., New York, N. Y. Embroidered trimming or similar article. 149,227, Apr. 6.
- Riemann, Howard C., West Allis, assignor to The Fulton Company, Milwaukee, Wis. Traffic signal observation lens. 151,784, Nov. 16.
- Rifkin, Jacob L., Long Island City, N. Y. Electric bell. 149,907, June 8.
- Ring, Lucian, Detroit, Mich. Automobile hood ornament. 149,443, Apr. 27.
- Rink, Robert M., assignor to The Goshen Manufacturing Company, Goshen, Ind. Lawn seat. 152,023, Dec. 7.
- Ritter Company, Inc., assignee: *See*—
Wester, Edwin J.
- Rixson, Ewing S., Greenwich, Conn., assignor to R. H. Becker, Tuckahoe, N. Y. Decanter or the like. 149,089, Mar. 23.
- Robert Company, The, assignee: *See*—
Robins, Doris.
- Roberson, John E.: *See*—
McLaughlin, Frank, and Roberson.
- Roberts, George B.: *See*—
Bowden, Ralph T., and Roberts.
- Roberts, John C.: *See*—
Johnston, Reece W., and Roberts.
- Robertson, Charlotte R. B.: *See*—
Bletcher, Ralph E., and Bucknell.
- Robeson Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.

- Ruskin, Henry, assignor of one-half to G. E. Hale, Chicago, Ill. Safety razor. 150,318, July 20.
- Russell, Alfred R., Grosse Pointe Park, Mich. Automobile hood ornament. 149,147, Mar. 30.
- Russell, Alfred R., Detroit, Mich., assignor to Safficycle, Inc., La Crosse, Wis. Motorcycle. 150,462, Aug. 3.
- Russell, Corey L., Milwaukee, Wis. Lawn sprinkler. 151,007, Sept. 14.
- Russell, Linus E., Springfield, Ohio. Air pump. 150,097, June 29.
- Russell, Peyton R., Beaver, Pa. Traffic signal or similar article. 152,171, Dec. 21.
- Russell, Virgil W., Fort Worth, Tex. Miniature airplane. 149,447, Apr. 27.
- Russell, William J., Newington, assignor to Landers, Frary & Clark, New Britain, Conn. Casing for vacuum cleaner. 148,329, Jan. 6.
- Russi, Lewis W., Denver, Colo. Smoking pipe attachment. 151,558, Oct. 26.
- Ryan, Matthew E., Chicago, Ill. Salad dispenser. 148,959, Mar. 9.
- Ryecraft, Carl T., Burbank, Calif. Golf bag carrier. 151,008, Sept. 14.
- Ryder, Lee H., Dover, N. H. Wheelbarrow. 152,172, Dec. 21.
- Sabol, Joseph L., Bethlehem, Pa. Finger ring. 148,392, Jan. 13.
- Sachs, Herbert W., Washington, D. C. Building. 151,559, Oct. 26.
- Sacks, Irving, Brooklyn, N. Y. Lamp or the like. 150,892, Sept. 7.
- Saffert, George J., New Ulm, Minn. Hog oiler. 151,072, Sept. 21.
- Saffron, Abraham, assignor of one-half to H. Lazier, Pittsburgh, Pa. Cigarette lighter. 149,148, Mar. 30.
- Safficycle, Inc., assignee: *See*—
Russell, Alfred R.
- Sahley, Lloyd, Cleveland, Ohio. Soap dish. 149,908, June 8.
- St. Clair, Theodore A., and W. R. Eddy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Gas regulator. 151,471, Oct. 19.
- St. John, George. Ironwood, Mich. Hobbyhorse. 151,080, Sept. 21.
- St. Louis, Andrew H., Utica, N. Y. Oxygen therapy apparatus. 151,286, Oct. 5.
- St. Louis Metalcrafts, Inc., assignee: *See*—
Dingeldein, Karl A.
- Sakier, George, Frenchtown, N. J., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 150,463, Aug. 3.
- Salem Manufacturing Company, assignee: *See*—
Poor, Joseph F., and Baxter.
- Salierao, Vincent, Belleville, N. J. Spectacle frame. 150,464, Aug. 3.
- Salsbury, Hubert I., Los Angeles, Calif. Combination desk unit. 149,228, Apr. 6.
- Salsbury, Hubert I., Los Angeles, Calif. Container for adhesive tape or the like. 150,160, July 6.
- Salscor Company, assignee: *See*—
McLellan, Kenneth.
- Salter, Florence B., New Orleans, La. Doll. 152,128, Dec. 14.
- Salvia, John A.: *See*—
Greppin, Ernest H., and Salvia.
- Samburg, Maurice, New York, N. Y. Broiler. 148,445, Jan. 20.
- Samet, Frank: *See*—
Nevell, Thomas G. W., and Samet.
- Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Mechanical pencil. 151,658, Nov. 2.
- Sampson, Peter, Chicago, Ill. Platter holder. 149,682, May 18.
- Samson-United Corporation, assignee: *See*—
Layton, Harry L.
- Samuel Stamping & Enameling Company, assignee: *See*—
Seymour, William H.
- San Hygiene Upholstery Company, The, assignee: *See*—
Modarelli, James J.
- Sanchez, Lee, and T. E. Lord, Hornitos, Calif. Combined ash tray and cigarette holder. 151,413, Oct. 12.
- Sanders, Henry: *See*—
Gordon, Eli, and Sanders.
- Sanders, Margaret, Pittsburgh, Pa. Combined dining table and writing desk. 151,287, Oct. 5.
- Sanders, Raymond S., Center, Tex. Combined toilet paper holder and tray. 150,372, July 27.
- Sandler, Jacob, New York, N. Y. Shoe. 149,683, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,684, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,685, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,686, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,687, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,688, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,689, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,690, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,691, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,692, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,693, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,694, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 149,695, May 18.
- Sandler, Jacob, New York, N. Y. Shoe. 150,729, Aug. 24.
- Sandler, Jacob, New York, N. Y. Shoe. 150,730, Aug. 24.
- Sandler, Jacob, New York, N. Y. Shoe. 150,731, Aug. 24.
- Sanford, James C., Dallas, Tex. Chair. 152,129, Dec. 14.
- Sanford, Paul, North Hollywood, Calif. Garment connector. 149,976, June 15.
- Sanford Products, Inc., assignee: *See*—
Eaton, Wilfred A.
- Sanmori, Roger L. J.-B., Monaco, Monaco. Motor car. 150,161, July 6.
- Sans, Louis E.: *See*—
Eberle, Philip F., and Sans.
- Sansom, Clarence C.: *See*—
Dodds, John C., MacKillop, and Sansom.
- Sapin, Bernard, New York, N. Y. Knitted sweater. 151,943, Nov. 30.
- Sassano, Joseph, Yonkers, N. Y. Floor maintenance machine. 151,073, Sept. 21.
- Satin, H. A. & Co., assignee: *See*—
Satin, Marvin.
- Satin, Marvin, assignor to H. A. Satin & Co., Chicago, Ill. Dress. 150,811, Aug. 31.
- Satin, Marvin, assignor to H. A. Satin & Co., Chicago, Ill. Dress. 150,812, Aug. 31.
- Satloff, Martin, Brooklyn, N. Y. Cigarette dispenser. 148,581, Feb. 3.
- Sawaya, Joseph M.: *See*—
Grabowski, Stanley F., and Sawaya.
- Sawtell, Ella, Portland, Ore. Hat. 151,009, Sept. 14.
- Sawyer, Albert B., Brooklyn, assignor to Plastic Treasures, Inc., New York, N. Y. Child's training chair or similar article. 148,960, Mar. 9.
- Sawyer, Lester T., Leominster, Mass. Hairpin or similar article. 149,025, Mar. 16.
- Sawyer, Lester T., Leominster, Mass. Comb. 150,319, July 20.
- Sayre, Louis S., Los Angeles, Calif. Faucet. 149,379, Apr. 20.
- Scaman, Howard, Chicago, Ill. Display device. 150,162, July 6.
- Scarborough, Opal E., Dallas, Tex. Lingerie chain. 149,777, May 25.
- Scarlet, Theodore, New York, N. Y. Sewing kit or similar article. 149,909, June 8.
- Scarne, John, Fairview, N. J. Game board. 151,193, Sept. 28.
- Schaad, Theodore A., Detroit, Mich. Airplane toy. 149,308, Apr. 13.
- Schaefer, Herman W., assignor to W. Henderson Jones, Culver City, Calif. Combination oil filter and cooler. 149,380, Apr. 20.
- Schaefer, Jessie, Buffalo, N. Y., and H. G. Imón, Detroit, Mich., assignors to Jaye Imón Inc. Brassière. 150,033, June 22.
- Schaefer, Oscar C., Racine, Wis. Fishing lure. 151,659, Nov. 2.
- Schaeffer, Jacob H., New York, N. Y., assignor to Shiman Bros. & Co. Inc. Gem setting or similar article. 149,149, Mar. 30.
- Schauenberg, Joseph N., Toronto, Ontario, Canada. Rocking animal figure toy. 148,724, Feb. 17.
- Scheidlinger, Samuel, Jackson Heights, N. Y. Jacket or similar article. 148,330, Jan. 6.
- Schein, Sterling N., assignee, et al.: *See*—
Meyran, Laura R.
- Scheinman, Arnold H., Milltown, N. J. Pull toy. 148,331, Jan. 6.
- Scherff, Gustave, New York, N. Y. Paperweight. 149,229, Apr. 6.
- Scheurmann, Otto A., assignee: *See*—
Frei, Otto.
- Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 149,090, Mar. 23.
- Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 150,659, Aug. 17.
- Schick, Howard M., Lee's Summit, Mo. Display fixture. 149,381, Apr. 20.
- Schick, Howard M., Lee's Summit, Mo. Cutlery display case. 152,219, Dec. 28.
- Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio cabinet. 151,785, Nov. 16.
- Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver cabinet. 151,786, Nov. 16.
- Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Console cabinet for radio-phonograph combination. 151,787, Nov. 16.
- Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cabinet for radio-phonograph combination. 151,859, Nov. 23.
- Schldknecht, Paul, assignor of one-half to T. Graning, Los Angeles, Calif. Portable motor-driven saw. 148,486, Jan. 27.
- Schilling, Joseph L., Kearny, N. J. Kiddie car. 150,732, Aug. 24.
- Schinman, Carl E., Seattle, Wash. Oil burner cabinet. 149,844, June 1.
- Schladermundt, Peter: *See*—
Green, Warren, and Schladermundt.
- Thygeson, Arthur T., and Schladermundt.
- Schladermundt, Peter, Bronxville, N. Y., and W. B. Green, Darien, Conn., assignors to Sears, Roebuck and Co., Chicago, Ill. Bathtub. 148,393, Jan. 13.

- Schladermundt, Peter, Bronxville, and O. Emslie, assignors to Stratford Pen Corporation, New York, N. Y. Fountain pen or similar article. 150,260, July 13.
- Schlegel, Hans K. W., Chicago, Ill. Letter opener or similar article. 149,590, May 11.
- Schlenker, Max E., Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock. 149,091, Mar. 23.
- Schlesinger, Victor R., Los Angeles, Calif. Atomizer. 149,309, Apr. 13.
- Schless, Maurice J., New York, N. Y. Display frame and stand or similar article. 149,382, Apr. 20.
- Schlitz, Jos., Brewing Company, assignee: *See*—
Uihlein, Erwin C.
- Schlotterbeck, Fred, New York, N. Y., assignor to Guth, Stern & Co. Inc. Flashlight or like article. 148,582, Feb. 3.
- Schlotterbeck, Fred, New York, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight or like article. 149,230, Apr. 6.
- Schlumbohm, Peter, New York, N. Y. Water kettle. 149,310, Apr. 13.
- Schluttig, Pearl L., Kansas City, Mo. Building unit. 150,519, Aug. 10.
- Schluttig, Pearl L., Kansas City, Mo. Cosmetic container. 152,026, Dec. 7.
- Schluttig, Pearl L., Kansas City, Mo. Cosmetic container. 152,027, Dec. 7.
- Schmidt, Herbert D.: *See*—
Stephenson, Charles E., and Schmidt.
- Schmidt, Herbert D., Little Falls, N. J., assignor to R. D. Werner Co., Inc., New York, N. Y. Shower curtain ring. 150,373, July 27.
- Schmidt, Herbert D., Little Falls, N. J., assignor to R. D. Werner Co., Inc., New York, N. Y. Shower curtain ring. 150,374, July 27.
- Schmidt, Howard F., San Diego, Calif. Toy autogiro. 150,465, Aug. 3.
- Schmutz, André, La Chaux-de-Fonds, Switzerland. Atomizer. 148,394, Jan. 13.
- Schnell, Robert W., Toledo, Ohio. Holder for a safety razor and blades. 149,778, May 25.
- Schnitzer, Louis M., Brooklyn, N. Y., assignor to Everlast Metal Products Corp. Heat insulated storage receptacle. 151,074, Sept. 21.
- Schofield, Earl L., Rockford, Ill., assignor to Superior Coach Corporation, Lima, Ohio. Bier-pin. 148,961, Mar. 9.
- Schorr, Louis, Brooklyn, N. Y. Jewelry component. 149,779, May 25.
- Schorr, Louis, Brooklyn, N. Y. Jewelry component. 149,780, May 25.
- Schorr, Louis, Brooklyn, N. Y. Jewelry component. 151,472, Oct. 19.
- Schrader, J., Company, assignee: *See*—
Gagnon, Lawrence J.
- Schreiber, Walter G., New York, N. Y. Brooch or similar article. 149,311, Apr. 13.
- Schreiner, Henry, Brooklyn, N. Y. Brooch or similar article. 150,733, Aug. 24.
- Schuessler Knitting Mills, Inc., assignee: *See*—
Schuessler, Walter E.
- Schuessler, Walter E., assignor to Schuessler Knitting Mills, Inc., Chicago, Ill. Cap. 151,010, Sept. 14.
- Schuessler, Walter E., assignor to Schuessler Knitting Mills, Inc., Chicago, Ill. Cap. 151,011, Sept. 14.
- Schubmann, Richard L., assignor to American Duplex Company, Louisville, Ky. Coffee mill. 150,734, Aug. 24.
- Schuler, Fred G., assignor to Youngstown Manufacturing Inc., Youngstown, Ohio. Price tag molding and trim. 150,466, Aug. 3.
- Schultz, Benjamin, New York, N. Y. Suit. 151,194, Sept. 28.
- Schultz, Benjamin, New York, N. Y. Suit. 151,195, Sept. 28.
- Schupp, Arthur, New York, N. Y. Combination refrigerator and freezer casing. 149,591, May 11.
- Schuster, Ralph F., San Antonio, Tex. Book display rack. 149,910, June 8.
- Schutes, Gerhard R., Saginaw, Mich., assignor to Spartan Aircraft Company, Tulsa, Okla. Trailer. 148,820, Feb. 24.
- Schwartz, Andrew, Providence, R. I., assignor to Globe Jewelry and Chain Manufacturing Co. Cuff link. 150,098, June 29.
- Schwartz, Ernest, New York, N. Y. Ear muff. 149,150, Mar. 30.
- Schwartz, Frederick, Chicago, Ill. Lamp. 149,592, May 11.
- Schwartz, Frederick, Chicago, Ill. Lamp fixture. 151,012, Sept. 14.
- Schwartz, Martin W.: *See*—
Marks, Max J., and Schwartz.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 149,026, Mar. 16.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 149,027, Mar. 16.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 149,448, Apr. 27.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 149,449, Apr. 27.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 150,735, Aug. 24.
- Schwartz, Morris, Sunnyside, N. Y. Temple member for spectacles or similar articles. 149,312, Apr. 13.
- Schwartzman, Elmer J., Baltimore, Md. Christmas tree ornament. 152,028, Dec. 7.
- Schwarz, Ernst G., New York, N. Y. Pendant charm. 151,288, Oct. 5.
- Scientific Heater Co., Inc., assignee: *See*—
Wisting, George H., and Connors.
- Scofield, Philip F., Cleveland Heights, and A. R. Keistman, Shaker Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Inverter. 148,332, Jan. 6.
- Scott, Dorris M., and E. Steinberg, assignors to Anita-Gay Creations, Inc., Los Angeles, Calif. Handbag or similar article. 151,075, Sept. 21.
- Scott, Dorris M., and E. Steinberg, assignors to Anita-Gay Creations, Inc., Los Angeles, Calif. Handbag or similar article. 151,076, Sept. 21.
- Scott, Dorris M., and E. Steinberg, assignors to Anita-Gay Creations, Inc., Los Angeles, Calif. Belt. 151,560, Oct. 26.
- Scoulos, Gary, Canonsburg, Pa. Manicure implement. 148,487, Jan. 27.
- Scripto, Inc., assignee: *See*—
Sams, Herbert W.
- Teague, Walter D., and Harper.
- Seamon, Abraham A., Brooklyn, N. Y. Combined billfold, coin holder, and key case. 149,450, Apr. 27.
- Seamprufe, Incorporated, assignee: *See*—
Caplin, Harold.
- Searcy, Peter B., Austin, Tex. Display plate for automobiles or similar articles. 148,583, Feb. 3.
- Sears, Roebuck and Co., assignee: *See*—
Bjornerantz, Carl B.
- Bjornerantz, Carl G., and Hauser.
- Cross, Robert C.
- Eldridge, Joseph G.
- Green, Warren B.
- Hauser, Jon W.
- Reinecke, Jean O.
- Schladermundt, and Green.
- Sebel, Harry, London, England. Swing. 148,333, Jan. 6.
- Sebel, Harry, London, England. Wheeled toy animal. 148,821, Feb. 24.
- Sebel, Harry, London, England. Merry-go-round. 148,889, Mar. 2.
- Sebel, Harry, London, England. Wheeled toy tortoise. 149,383, Apr. 20.
- Sebel, Harry, London, England. Chair. 149,845, June 1.
- Sebel, Harry, London, England. Wheeled toy snail. 150,467, Aug. 3.
- Sebel, Harry, London, England. Wheeled toy horse and chariot. 150,468, Aug. 3.
- Sebel, Harry, London, England. Chair. 151,788, Nov. 16.
- Sebold, Mary, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,822, Feb. 24.
- Sebold, Mary, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 148,823, Feb. 24.
- Seeburg, J. P., Corporation, assignee: *See*—
Miller, Nels A.
- Seeger, Ruth M., Newark, N. J. Articulated pin tray unit. 151,289, Oct. 5.
- Seeger-Sunbeam Corporation, assignee: *See*—
Sunberg, Carl W., and Ferar.
- Segerman, Herbert H., Brooklyn, N. Y. Infant's bunting or similar article. 149,696, May 18.
- Segerman, Herbert H., Brooklyn, N. Y. Infant's bunting or similar article. 149,697, May 18.
- Seidel, Benjamin, assignor of one-third to B. F. Fried, and one-third to A. P. Baumel, Cleveland, Ohio. Razor rack. 150,469, Aug. 3.
- Seiden, Herman L.: *See*—
Blumenthal, David, and Seiden.
- Seidenbaum, Jeannette, Brooklyn, N. Y. Bib. 149,092, Mar. 23.
- Seidler, William, New York, N. Y. Laundry bag or the like. 152,173, Dec. 21.
- Selby, William E., Jr., South Orange, assignor to Dillon-Beck Manufacturing Company, Irvington, N. J. Paper box body. 150,034, June 22.
- Selby, William E., Jr., South Orange, assignor to Dillon-Beck Manufacturing Company, Irvington, N. J. Paper box body. 150,035, June 22.
- Selcow, Jack, assignor to Angel Bra Corp., New York, N. Y. Brassiere. 151,720, Nov. 9.
- Sellon, Raymond N., Milwaukee, Wis., assignor to M. H. Kreines. Holder for a bottle. 149,911, June 8.
- Selrite, Inc., assignee: *See*—
Spence, Edmond J.
- Servel, Inc., assignee: *See*—
Gulld, Lurelle.
- Setchell, Barton T., St. Paul, Minn. Radio cabinet. 150,660, Aug. 17.
- Setroy Inc., assignee: *See*—
Wertheim, Adolph.
- Severson, Minnie, Mapleton, and D. Kraske, Waseca, Minn. Baking iron grid. 151,077, Sept. 21.
- Severson, Minnie, Mapleton, and D. Kraske, Waseca, Minn. Baking iron grid. 151,078, Sept. 21.
- Seymour, Sara L., Altadena, Calif. Coin bank or similar article. 149,093, Mar. 23.
- Seymour, William H., Detroit, Mich., assignor to Samuel Stamping & Enameling Company, North Chattanooga, Tenn. Electric heater. 150,470, Aug. 3.

- Shackelford, George E., West Columbia, Tex. Kite. 151,944, Nov. 30.
- Shaffer, Alfred E., Mishawaka, and L. D. Morningstar, South Bend, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe sole. 149,698, May 18.
- Shaffer, Alfred E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe boot. 149,977, June 15.
- Shaller, John L., Roslyn, N. Y. Sled. 152,220, Dec. 28.
- Shank, McConnell, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Molded bottle crate and carrier. 148,488, Jan. 27.
- Shapiro, Abraham I., Boston, Mass. Combination clock, radio, and lamp. 151,660, Nov. 2.
- Shapiro, Beatrice A., Chicago, Ill. Perfume bottle. 149,313, Apr. 13.
- Shapiro, Beatrice A., Chicago, Ill. Perfume bottle. 149,314, Apr. 13.
- Shapiro, Beatrice A., Chicago, Ill. Perfume bottle. 149,315, Apr. 13.
- Shapiro, Beatrice A., Chicago, Ill. Perfume bottle. 149,316, Apr. 13.
- Shapiro, Joseph, New York, N. Y., assignor to J. Shapiro and A. Gluck, doing business as Eto Ring Co. Toe ring. 151,789, Nov. 16.
- Sharaf, Nathan, Brookline, Mass. Store front. 149,231, Apr. 6.
- Sharma, Devendra N., London, England. Combined portable radio receiver, camera, clock, and cigarette lighter. 148,725, Feb. 17.
- Sharp, John S.: See—
Ketchum, Morris, Jr., Gina, and Sharp.
- Shawnee Manufacturing Company, assignee: See—
Smead, Frank F.
- Shawnee Pottery Company, assignee: See—
Falk, Wolf J.
- Sheeman, Joseph, Chicago, Ill. Toy rattle hammer. 149,699, May 18.
- Sheeran, Daniel W., New York, N. Y., and H. P. Mertel, Weehawken, N. J., said Sheeran assignor to said Mertel. Memorial tablet. 150,261, July 13.
- Shelton, Irving, assignor to Mistletoe Children's Products, Inc., New York, N. Y. Multiple bib. 151,290, Oct. 5.
- Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pack for glass tumblers or like fragile articles. 148,824, Feb. 24.
- Shepherd, Herbert J., St. Louis, Mo. Belt buckle. 149,028, Mar. 16.
- Sherrer, John M., Wauconda, assignor of one-half to D. L. Skene, Joliet, and one-half to A. S. Stoops, Galesburg, Ill. Calendar pencil. 151,661, Nov. 2.
- Sherrill, Burl E., assignor to Sherrill Research Corporation, Peru, Ind. Auto compass. 148,962, Mar. 9.
- Sherrill Research Corporation, assignee: See—
Sherrill, Burl E.
- Sherry, Hal G., Pasadena, Calif. Radio cabinet. 152,029, Dec. 7.
- Sherry, Victor, and H. A. Plocky, Los Angeles, and G. F. Plocky, South Pasadena, Calif. Luminous plant container or the like. 149,384, Apr. 20.
- Sherry, Victor, and H. A. Plocky, Los Angeles, and G. F. Plocky, South Pasadena, Calif. Plant container or the like. 149,385, Apr. 20.
- Sherry, Victor, H. A. Plocky, Los Angeles, and G. F. Plocky, South Pasadena, Calif. Serving tray. 151,079, Sept. 21.
- Shewitz, Newson, P. L. Sloane, and A. Vaiksnozas, Jr., assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio. Postal scale. 152,221, Dec. 28.
- Shiman Bros. & Co. Inc., assignee: See—
Schaeffer, Jacob H.
- Shoemaker, Paul E., Los Angeles, and L. L. Lewis, Sherman Oaks, Calif. Dog bed or similar article. 151,291, Oct. 5.
- Shook, Jacob W., assignor to The Titan Metal Manufacturing Company, Bellefonte, Pa. Lawn sprinkler. 149,912, June 8.
- Shore, Sidney X., New York, N. Y. Box. 150,036, June 22.
- Shrier, Martin, Forest Hills, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Stuffed toy animal. 149,913, June 8.
- Shupack, Irving, Forest Hills, Long Island, N. Y. Writing instrument. 152,030, Dec. 7.
- Shull, Mercedes: See—
Oriolo, Joseph, and Shull.
- Shure Brothers Inc., assignee: See—
Waltman, Chauncey E.
- Shurebite Inc., assignee: See—
Sisco, Alexander.
- Shuttleworth, Robert A., Buffalo, N. Y. Racing sulky. 149,451, Apr. 27.
- Shyvers, Kenneth C., Seattle, Wash. Music box. 149,846, June 1.
- Sices, Murray, Lynbrook, N. Y. Suit or similar article. 148,334, Jan. 6.
- Siebel, William, San Francisco, assignor to I. J. Roth, Burlingame, Calif. Window ventilator. 150,661, Aug. 17.
- Sight Light Corporation, The, assignee: See—
Doane, Leroy C.
- Signal Oil Company, assignee: See—
Hardesty, Jean A.
- Sigoda, Victor J., Great Neck, Long Island, assignor to Man-Sew Corporation, New York, N. Y. Power take-off attachment for sewing machines. 150,262, July 13.
- Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Ruffler attachment housing for sewing machines. 151,790, Nov. 16.
- Sikorsky, Igor I., Long Hill, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter. 150,263, July 13.
- Sikorsky, Igor I., Long Hill, and M. E. Gluhareff, Bridgeport, assignors to United Aircraft Corporation, East Hartford, Conn. Helicopter. 149,452, Apr. 27.
- Silbermann, Charles, Saint-Mande, France. Hat. 149,521, May 4.
- Sillex Company, The, assignee: See—
Becher, Wesley R.
- Silson, Victor, New York, N. Y. Brooch or similar article. 152,031, Dec. 7.
- Silverman, Louis, New York, N. Y. Slip or similar article. 149,094, Mar. 23.
- Silverman, Max H., New York, N. Y. Game board. 152,174, Dec. 21.
- Silverman, Max H., New York, N. Y. Game board. 152,175, Dec. 21.
- Simon, Jacob, Irvington, and P. Klein, Maplewood, N. J. Comb. 150,375, July 27.
- Simon, Leon J., Detroit, Mich. Bicycle. 148,584, Feb. 3.
- Simplet Electric Co., assignee: See—
Anderson, Ernst G.
- Simpson, Adele, assignor to Renoir Parfums, Ltd., New York, N. Y. Bottle. 149,593, May 11.
- Simpson, Adele, assignor to Renoir Parfums, Ltd., New York, N. Y. Bottle. 150,037, June 22.
- Sims, Clyde, Dallas, Tex. Toilet kit. 149,029, Mar. 16.
- Singel, Robert D., Eau Claire, Wis. Handbag. 148,726, Feb. 17.
- Singer, Jerome S., New York, N. Y. Handbag or similar article. 150,893, Sept. 7.
- Singer, Leon, New York, N. Y., assignor to Supreme Knitwear Company, St. Louis, Mo. Sweater. 149,978, June 15.
- Singer Manufacturing Company, The, assignee: See—
Barnhart, Herbert S.
McCann, Michael.
Peets, Wilbur J.
Turner, Edgar P., and Neagle.
- Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Scale indicator. 150,163, July 6.
- Sisco, Alexander, assignor to Shurebite Inc., Bronson, Mich. Fish lure. 152,176, Dec. 21.
- Siska, John G., Cresskill, assignor to Jacques Kreiser Manufacturing Corporation, North Bergen, N. J. Bracelet or similar article. 148,585, Feb. 3.
- Skaredoff, Nikolai N., New York, N. Y. Flatiron cradle. 150,164, July 6.
- Skene, Donald L., assignee et al.: See—
Sherrer, John M., Skene, and Stoops.
- Skinner, Hazel B.: See—
Bletcher, Ralph E., and Bucknell.
- Skipp, Herbert J. A., East Providence, assignor to Pearl-Glo Corp., Pawtucket, R. I. Brooch. 149,914, June 8.
- Sklaar, Richard, Lynbrook, N. Y., assignor, by mesne assignments, to K. & S. Corp., Baltimore, Md. Garment hanger or the like. 150,813, Aug. 31.
- Sklar, George, Philadelphia, Pa. Tablecloth or similar article. 149,915, June 8.
- Sklar, George, Philadelphia, Pa. Tablecloth or similar article. 150,165, July 6.
- Skoloff, Jack: See—
Freimauer, Samuel, and Skoloff.
- Sky, Matthew M., Chicago, Ill. Massage instrument. 149,700, May 18.
- Slater, Daniel J., St. Paul, Minn. Jewel case. 148,586, Feb. 3.
- Slater, Murray, Brooklyn, N. Y. Brooch or the like. 149,095, Mar. 23.
- Slazengers Limited, assignee: See—
Briggs, Charles B.
- Sloan, Conrad H., Duluth, Minn. Antiskid chain link. 149,096, Mar. 23.
- Sloane, Phyllis L.: See—
Shewitz, Newson, Sloane, and Vaiksnozas.
- Small, Frances M.: See—
Hoskins, Herschel R., and Small.
- Smart, George D., Los Angeles, Calif. Eyeglass frame. 152,222, Dec. 28.
- Smart, George D., Los Angeles, Calif. Eyeglass frame. 152,223, Dec. 28.
- Smead, Frank F., assignor to Shawnee Manufacturing Company, Chicago, Ill. Combined storage cabinet and bench. 151,662, Nov. 2.
- Smith, A. L., Iron Company, assignee: See—
Kruger, Michael H.
- Smith, Charles S., Arlington, Va. Carton. 150,814, Aug. 31.
- Smith, Dorothy M., Santa Barbara, Calif. Whirling toy. 152,032, Dec. 7.
- Smith, Dorothy M., Santa Barbara, Calif. Streamer toy. 152,033, Dec. 7.
- Smith, Frasier, Wheeling, W. Va., assignor to Jewett & Sherman Co., Inc., Milwaukee, Wis. Jar. 151,945, Nov. 30.

- Smith, Frederick R., Toledo, Ohio. Vegetable slicer. 151,414, Oct. 12.
- Smith, Herman A., New York, N. Y. Folding rocking chair or similar article. 150,894, Sept. 7.
- Smith, Justin L., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Pruning shears. 151,791, Nov. 16.
- Smith, Lee, and W. J. Mueckler, assignors to Carrom Industries, Inc., Ludington, Mich. Game board. 148,727, Feb. 17.
- Smith, Lee, and W. J. Mueckler, assignors to Carrom Industries, Inc., Ludington, Mich. Game board. 148,728, Feb. 17.
- Smith, Norris S., Los Angeles, Calif. Portable sleeping structure for mounting on top of an automobile. 148,335, Jan. 6.
- Smith, Ralph E., and L. H. Workman, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Gantry end frame. 149,522, May 4.
- Smith, Roger P., Madison, Conn., assignor to General Hardware Mfg. Co. Inc., New York, N. Y. Drill sharpener. 151,792, Nov. 16.
- Smith, Seymour, & Son, Inc., assignee: *See*—Smith, Justin L.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Single drain tub or similar article. 149,701, May 18.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Washing machine or similar article. 150,471, Aug. 3.
- Smith, Walter C., Buffalo, N. Y. Automobile trailer. 149,702, May 18.
- Smith, William, New York, N. Y. Toy jack-in-the-box. 151,292, Oct. 5.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Swing end frame. 151,196, Sept. 28.
- Smokador Manufacturing Co., Inc., assignee: *See*—Mankki, Onnie.
- Smole, Murray, and L. Berg, Brooklyn, N. Y. Advertising wall clock. 149,703, May 18.
- Smolensky, Albert G., Cleveland, Ohio. Arch-stream offset combination faucet structure. 149,386, Apr. 20.
- Snap-Lite Corporation, assignee: *See*—Doux, Alfredo W.
- Snively, Harold L.: *See*—Zimmer, Raymond R., and Snively.
- Snider, Arthur M., Waterloo, Ontario, Canada. Waste receptacle. 148,825, Feb. 24.
- Snodgrass, Robert W., Mount Morris, Mich. Combined cigarette lighter and case. 148,650, Feb. 10.
- Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Massaging device or similar article. 148,587, Feb. 3.
- Snyder, Mahlon C., Hamburg, N. Y. Dolly for transporting airplanes or the like. 150,264, July 13.
- Sohmer, Sidney L., Miami Beach, Fla. Lipstick holder. 149,916, June 8.
- Solak, Frank F., Klamath Falls, Oreg. Flower stand. 152,034, Dec. 7.
- Solak, Frank F., Klamath Falls, Oreg. Flower stand. 152,224, Dec. 28.
- Solar Corporation, assignee: *See*—Mertz, Harry J.
Price, Edmund T.
- Solomon, Mortimer, New York, N. Y. Bathing suit. 151,415, Oct. 12.
- Solstone, Usher, Los Angeles, Calif. Plant container or similar article. 149,979, June 15.
- Somers, Richard M.: *See*—Dann, Charles W., Braun, and Somers.
- Sommerville, Andrew, Pasadena, Calif. Lamp. 151,561, Oct. 26.
- Sonn, Lenore, New Haven, Conn. Sandwich tray or similar article. 149,317, Apr. 13.
- Sonnhalter, John E., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Height measuring gauge. 149,318, Apr. 13.
- Sonnhalter, John E., South Euclid, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Ball-bearing separator. 152,035, Dec. 7.
- Sorrentino, Vincent, Providence, R. I. Finger ring or similar article. 149,097, Mar. 23.
- Soundscribe Corporation, The, assignee: *See*—Stone, Robert L.
- Stone, Robert L., and Runge.
- Southern California Fence Co., assignee: *See*—Webster, William A.
- Southwell, Ernest E., Vallejo, assignor of one-half to C. Klotz, Santa Rosa, Calif. Dice game device. 151,562, Oct. 26.
- Southworth, Pierre D., Sturgeon Bay, Wis. Animal watering pan. 149,151, Mar. 30.
- Sparks, George A., and A. C. Cunningham, Los Angeles, Calif. Vase. 151,793, Nov. 16.
- Sparks, George A., and A. C. Cunningham, Los Angeles, Calif. Vase. 151,794, Nov. 16.
- Sparks Machine Tool Corporation, assignee: *See*—Lomazzo, Edmund J.
- Sparks-Withington Company, The, assignee: *See*—Tjaarda, John.
- Spartan Aircraft Company, assignee: *See*—Schutes, Gerhard R.
- Speaker, John W., Milwaukee, Wis. Casing for an electrical timer. 148,336, Jan. 6.
- Spear Novelty Co., assignee: *See*—Bogoff, Henry.
- Special Machine & Engineering Co., assignee: *See*—Bihler, Walter G.
- Speidel Corporation, assignee: *See*—Augenstein, Karl C.
- Spence, Edmond J., Montclair, N. J., assignor to Master Industries, Inc., New York, N. Y. Ice-cream freezer. 148,395, Jan. 13.
- Spence, Edmond J., Montclair, N. J., assignor to National Desk Company, Inc., Herkimer, N. Y. Cabinet. 148,826, Feb. 24.
- Spence, Edmond J., Montclair, N. J. Chair. 149,980, June 15.
- Spence, Edmond J., assignor to Selrite, Inc., New York, N. Y. Curio shelf. 150,376, July 27.
- Spence, Edmond J., assignor to Selrite, Inc., New York, N. Y. Wall cabinet. 150,377, July 27.
- Spence, Edmond J., assignor to Selrite, Inc., New York, N. Y. Book shelf. 150,378, July 27.
- Spence, Edmond J., assignor to Selrite, Inc., New York, N. Y. Magazine basket. 150,379, July 27.
- Spence, Edmond J., assignor to Selrite, Inc., New York, N. Y. Sewing cabinet. 151,013, Sept. 14.
- Sperry Gyroscope Company, Inc., assignee: *See*—Wilson, Jack C.
- Spilman, Raymond, Yonkers, N. Y., and G. H. White, West Hartford, Conn., assignors to The Gray Manufacturing Company. Sound translating machine. 148,446, Jan. 20.
- Spilman, Raymond, Yonkers, N. Y., assignor to The Gray Manufacturing Company. Sound translating machine. 148,447, Jan. 20.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,489, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,490, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,491, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,492, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,493, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,494, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Clasp for handbag frame or the like. 148,495, Jan. 27.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Lock for handbags or the like. 152,036, Dec. 7.
- Spray Process Co., Inc., assignee: *See*—Vose, Edwin W.
- Sprouse, Verner E., Columbus, Ind. Window ventilator. 150,472, Aug. 3.
- Square Manufacturing Company, assignee: *See*—Arnett, Leslie.
- Spurgeon, Richard C.: *See*—Bley, William G., and Spurgeon.
- Staab, George J., Springfield, N. J. Reservoir desk stand. 148,496, Jan. 27.
- Staab, George J., Springfield, N. J. Scissors. 150,166, July 6.
- Staab, George J., Springfield, N. J. Scissors. 150,167, July 6.
- Staartjes, Johannes, Amsterdam, assignor to Bruynzeel's Deurenfabriek N. V., Zaandam, Netherlands. Combined crib and bureau. 152,130, Dec. 14.
- Stacey, Ted R., assignor to Gem Die & Mold Company, Chicago, Ill. Combined folding toothbrush and receptacle therefor. 150,520, Aug. 10.
- Stadler, James A., New Brunswick, N. J., assignor to Lion Monogram Machine Company, San Francisco, Calif. Hot stamping machine. 152,037, Dec. 7.
- Stafford, Robert M., Kansas City, Mo. Combined ash tray and glass holder. 149,232, Apr. 6.
- Stagner, Hamilton R., St. Louis, Mo. Device for dispensing liquid in sprayed or gaseous form. 151,293, Oct. 5.
- Stahler, Robert C., Portsmouth, Ohio. Animal feeder. 151,473, Oct. 19.
- Stallie, Hilma D., Lawndale, Calif. Legging. 150,473, Aug. 3.
- Stamping Products & Mfg. Co., assignee: *See*—Hollander, Lawrence.
- Standard Gas Equipment Corporation, assignee: *See*—Felver, Richard I.
- Standard Business Machines Company, assignee: *See*—Dolan, Tom.
- Standard Gas Equipment Corporation, assignee: *See*—Felver, Richard I.
Stigler, Robert G.
- Stangl, George, New York, N. Y. Combined sunglasses and scarf. 150,474, Aug. 3.
- Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bathroom ensemble. 151,294, Oct. 5.

- Stanley, George L., Fort Worth, Tex. Sofa bed. 151,295, Oct. 5.
- Stanzel, Victor, Schulenburg, Tex. Control handle for line controlled model aircraft. 149,453, Apr. 27.
- Starr, Joseph, assignor to The Conklin Pen Company Inc., Chicago, Ill. Fountain pen. 150,320, July 20.
- State Welding Works, Inc., assignee: *See*—Rehrmann, Edward A.
- Phillips, Harry.
- Stauber, Anton, Chicago, Ill. Coat and hat rack. 152,038, Dec. 7.
- Stauffer, William C., Miami, Fla. Dispenser. 150,265, July 13.
- Stayton, Ralph W., assignor to Yuletide Bonus Stamp Company, Albany, Calif. Trading stamp. 149,523, May 4.
- Stec, Dmytro, Dearborn, Mich. Combined picture frame and calendar holder or similar article. 148,588, Feb. 3.
- Steele, Frederick I., Columbus, Ohio, assignor to Curtiss-Wright Corporation, Airplane. 150,736, Aug. 24.
- Steele, Milton, Coral Gables, Fla. Condiment shaker. 148,651, Feb. 10.
- Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Perimeter. 149,594, May 11.
- Steger Products Mfg. Corp., assignee: *See*—Trabucco, Vincent R.
- Stein, Norman, Outremont, near Montreal, Quebec, Canada. Combined seat and telephone stand. 148,337, Jan. 6.
- Stein, Sylvia, assignor to Roxy Manufacturing Company, Chicago, Ill. Rocking horse. 149,098, Mar. 23.
- Steinberg, Evelyn: *See*—Scott, Dorris M., and Steinberg.
- Steinberg, Harold E.: *See*—May, Robert A., and Steinberg.
- Steiner, Ezekiel C., Los Angeles, Calif. Meat cutting machine. 151,014, Sept. 14.
- Steingruber, George, Atlanta, Ga. Portable electric space heater. 148,652, Feb. 10.
- Stensgaard, William L., Park Ridge, Ill., assignor to Radio Corporation of America. Advertising device. 149,387, Apr. 20.
- Stephen, James, assignor to Highway Trailer Company, Edgerton, Wis. Body for trailer vehicles. 149,454, Apr. 27.
- Stephenson, Charles E., New York, N. Y., and H. D. Schmidt, Little Falls, N. J., assignors to R. D. Werner Co., Inc., New York, N. Y. Shower curtain ring. 150,380, July 27.
- Steriliseat Corporation of America, assignee: *See*—Michaels, Maurice A.
- Sterkel, Jake, Denver, Colo. Automotive vehicle guard. 148,729, Feb. 17.
- Sterling Tool Products Company, assignee: *See*—Crosby, Stephen A.
- Stern, Charles, Jersey City, N. J. Coffee dispenser or similar article. 148,448, Jan. 20.
- Stern, Herman: *See*—Beer, Leo, and Stern.
- Stern, Hyman: *See*—Stern, Irving and H.
- Stern, Irving and H., Brooklyn, N. Y. Link bracelet. 151,081, Sept. 21.
- Stern, Nathan S., assignor to American Measuring Instruments Corporation, New York, N. Y. Microfilm-reader casing. 151,474, Oct. 19.
- Stern, Siegfried, New York, N. Y. Decalcomania sheet for aquarium tank. 149,917, June 8.
- Sterno, Inc., assignee: *See*—O'Connell, Daniel C.
- Stevens, Clifford B.: *See*—Oehrlein, Willard J., Lechtenberg, and Stevens.
- Stevens, Clifford B., W. J. Oehrlein, and L. J. Lechtenberg, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Blower housing for an internal-combustion engine. 148,396, Jan. 13.
- Stevens, Clifford B., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Name plate for motorcycles. 148,397, Jan. 13.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Drill press. 148,827, Feb. 24.
- Stevens, Clifford B., Fox Point, assignor to Chain Belt Company, Milwaukee, Wis. Road paving machine. 148,963, Mar. 9.
- Stevens, Clifford B., assignor to Bradley Washfountain Co., Milwaukee, Wis. Wash fountain. 150,521, Aug. 10.
- Stevens, Clifford B., assignor to Bradley Washfountain Co., Milwaukee, Wis. Wash fountain. 150,522, Aug. 10.
- Stevens, Clifford B., Milwaukee, Wis., assignor to W. P. Howlett, Chicago, Ill. Food warmer and server. 151,082, Sept. 21.
- Stevens, Clifford B., Milwaukee, assignor to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Lamp. 151,663, Nov. 2.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Band saw. 152,225, Dec. 28.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Scroll saw. 152,226, Dec. 28.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Circular saw. 152,227, Dec. 28.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Lathe. 152,228, Dec. 28.
- Stewart, Luther F., Brownwood, Tex. Game counting board. 150,895, Sept. 7.
- Stewart-Warner Corporation, assignee: *See*—Fossum, Erling G., and Zielsinski.
- Hardell, Le Roy W.
- Stier, Joseph B., New York, N. Y. Ash tray. 150,168, July 6.
- Stier, Joseph B., New York, N. Y. Cigarette container. 150,266, July 13.
- Stigler, Robert G., assignor to Standard Molding Corporation, Dayton, Ohio. Bottle carrier. 150,815, Aug. 31.
- Stiles, Harry L., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric heater. 151,015, Sept. 14.
- Stine, Lester G., Harrisburg, Pa. Speaker case. 151,795, Nov. 16.
- Stockton, Charles E., Manteca, Calif. Match box holder. 150,169, July 6.
- Stofer, Harwood B., Lakewood, Ohio. Auxiliary cradle for telephone handset. 149,455, Apr. 27.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 149,847, June 1.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 151,296, Oct. 5.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 151,297, Oct. 5.
- Stone, Randolph, Chicago, Ill. Merry-go-round. 150,381, July 27.
- Stone, Robert L., Guilford, and F. E. Runge, Branford, Conn. Floor switch. 148,589, Feb. 3.
- Stone, Robert L., Guilford, and F. E. Runge, Branford, Conn. Combined hand and desk microphone. 149,704, May 18.
- Stone, Robert L., Guilford, assignor to The Soundscribe Corporation, New Haven, Conn. Dictating machine motor. 150,038, June 22.
- Stoops, Arlo S., et al.: *See*—Sherrer, John M., Skene, and Stoops.
- Stopa, Walter T., assignor to Duo Coach Company, Chicago, Ill. Vehicle trailer. 149,981, June 15.
- Stovner, Katherine H., Denver, Colo. Child's bank. 150,896, Sept. 7.
- Stoyer, Raymond L., Lebanon, Pa. Momentum wrench. 151,860, Nov. 23.
- Strassner, John F., New York, N. Y. Dress. 148,590, Feb. 3.
- Strassner, John F., New York, N. Y. Dress. 148,591, Feb. 3.
- Strassner, John F., New York, N. Y. Dress. 148,592, Feb. 3.
- Strassner, John F., New York, N. Y. Dress. 148,593, Feb. 3.
- Strassner, John F., New York, N. Y. Dress. 148,653, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,654, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,655, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,656, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,657, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,658, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,659, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,660, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,661, Feb. 10.
- Strassner, John F., New York, N. Y. Dress. 148,662, Feb. 10.
- Strassner, John F., New York, N. Y. Jacket. 148,730, Feb. 17.
- Strassner, John F., New York, N. Y. Jacket. 148,731, Feb. 17.
- Strassner, John F., New York, N. Y. Dress. 148,890, Mar. 2.
- Strassner, John F., New York, N. Y. Dress. 150,267, July 13.
- Strassner, John F., New York, N. Y. Jacket. 150,268, July 13.
- Strassner, John F., New York, N. Y. Jacket. 150,269, July 13.
- Strassner, John F., New York, N. Y. Jacket. 150,270, July 13.
- Strassner, John F., New York, N. Y. Dress. 150,321, July 20.
- Strassner, John F., New York, N. Y. Coat. 150,322, July 20.
- Strassner, John F., New York, N. Y. Dress ensemble. 150,737, Aug. 24.
- Strassner, John F., New York, N. Y. Dress. 150,897, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,898, Sept. 7.

- Strassner, John F., New York, N. Y. Dress. 150,899, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,900, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,901, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,902, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,903, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,904, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,905, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,906, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,907, Sept. 7.
- Strassner, John F., New York, N. Y. Dress. 150,908, Sept. 7.
- Strassner, John F., New York, N. Y. Coat. 150,909, Sept. 7.
- Strassner, John F., New York, N. Y. Dress ensemble. 150,910, Sept. 7.
- Strassner, John F., New York, N. Y. Suit. 151,016, Sept. 14.
- Strassner, John F., New York, N. Y. Suit. 151,017, Sept. 14.
- Strassner, John F., New York, N. Y. Suit. 151,018, Sept. 14.
- Strassner, John F., New York, N. Y. Coat. 151,083, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,084, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,085, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,086, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,087, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,088, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,089, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,090, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,091, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,092, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,093, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,094, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,095, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,096, Sept. 21.
- Strassner, John F., New York, N. Y. Dress ensemble. 151,097, Sept. 21.
- Strassner, John F., New York, N. Y. Dress. 151,098, Sept. 21.
- Strassner, John F., New York, N. Y. Dress ensemble. 151,197, Sept. 28.
- Strassner, John F., New York, N. Y. Jacket. 151,475, Oct. 19.
- Strassner, John F., New York, N. Y. Dress. 151,563, Oct. 26.
- Strassner, John F., New York, N. Y. Dress ensemble. 151,564, Oct. 26.
- Strassner, John F., New York, N. Y. Dress. 151,565, Oct. 26.
- Strassner, John F., New York, N. Y. Dress. 151,566, Oct. 26.
- Strassner, John F., New York, N. Y. Dress ensemble. 151,567, Oct. 26.
- Strassner, John F., New York, N. Y. Dress. 151,568, Oct. 26.
- Stratford Pen Corporation, assignees: *See*—
Green, Warren, and Schladermundt.
Schladermundt, Peter, and Emslie.
- Stratmore, Irwin W., assignor to Ball Washing Machine Corp., Passaic, N. J. Faucet or similar article. 149,388, Apr. 20.
- Stratton, Richard C., Green River, Wyo. Child's spoon or similar article. 150,323, July 20.
- Strauss, Kate R., assignor to Famous Bathrobe Co., Inc., New York, N. Y. Bootee. 151,099, Sept. 21.
- Streng, Jan, Mason, N. H., assignor to Remington Rand Inc., Buffalo, N. Y. Bookkeeping machine. 150,271, July 13.
- Stretz, Frank L.: *See*—
Meyer, Robert O., and Stretz.
- Strick, Samuel, New York, N. Y. Combined comb holder and wall cabinet. 152,039, Dec. 7.
- Strnard, Harry I., Renton, and W. J. Myers, Seattle, Wash. Door handle or the like. 148,497, Jan. 27.
- Strodel, Francis J., Liverpool, N. Y. Dispenser for canned liquids. 152,040, Dec. 7.
- Strub, Theodore F., Chicago, Ill. Finger ring. 149,456, Apr. 27.
- Strub, Theodore F., Chicago, Ill. Bracelet. 150,738, Aug. 24.
- Struck, Henry, Old Lyme, Conn. Toy aircraft or the like. 149,705, May 18.
- Struck, Henry, Old Lyme, Conn. Toy glider or the like. 149,848, June 1.
- Stuart, Charley, San Francisco, Calif. Masticator for fruits, vegetables, or the like. 150,523, Aug. 10.
- Stuart Inc., assignee: *See*—
Fine, Alex.
Fine, Lewis.
- Studer, Walter J., Buffalo, N. Y. Badminton shuttlecock. 148,732, Feb. 17.
- Studer, Walter J., Buffalo, N. Y. Shuttlecock. 148,733, Feb. 17.
- Stupka, John J., and J. Venekamp, Chicago, Ill. Lamp. 152,041, Dec. 7.
- Style Line Products Co., assignee: *See*—
Haggstrom, Arthur C.
- Such, Genevieve L., Chicago, Ill. Bolster cover for pillow or similar article. 151,721, Nov. 9.
- Sullenberger, Burton E.: *See*—
Meeker, David A., Fox, and Sullenberger.
- Sullivan, George C., Hollywood, Calif. Automobile. 151,796, Nov. 16.
- Suman, Alwin L., Sierra Madre, Calif. Dish. 148,891, Mar. 2.
- Suman, Alwin L., Sierra Madre, Calif. Ceramic vase or similar article. 151,476, Oct. 19.
- Sundberg, Carl W.: *See*—
Kress, George H., and Sundberg.
- Sundberg, Carl W., Birmingham, assignor to Pratt Manufacturing Company, Coldwater, Mich. Sled knee. 151,100, Sept. 21.
- Sundberg, Carl W., Birmingham, assignor to Pratt Manufacturing Company, Coldwater, Mich. Sled. 151,416, Oct. 12.
- Sundberg, Carl W., Detroit, Mich., assignor to Reynolds Metals Company, Richmond, Va. Table. 149,524, May 4.
- Sundberg, Carl W., Detroit, Mich., assignor to Reynolds Metals Company, Richmond, Va. Table. 149,525, May 4.
- Sundberg, Carl W., Detroit, Mich., assignor to Reynolds Metals Company, Richmond, Va. Chair. 149,982, June 15.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 148,594, Feb. 3.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Seeger-Sunbeam Corporation, St. Paul, Minn. Refrigerator cabinet. 150,382, July 27.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric roaster. 152,042, Dec. 7.
- Sundstrom, Harold C., and O. Landy, Chicago, Ill. Combination bottle and jar opener and can perforator. 149,706, May 18.
- Sun-Kraft, Inc., assignee: *See*—
Furedy, Frank, and Dynes.
- Sunset, Incorporated, assignee: *See*—
Blitzstein, William.
- Superba Cravats, assignee: *See*—
Lewine, Hyman W.
- Superior Coach Corporation, assignee: *See*—
Schofield, Earl L.
- Supreme Knitwear Company, assignee: *See*—
Singer, Leon.
- Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,797, Nov. 16.
- Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,798, Nov. 16.
- Sutter, John H., Norcross, Ga., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 151,799, Nov. 16.
- Sutton, Frank L., Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 151,298, Oct. 5.
- Sutton, John H., Los Angeles, Calif. Match book holder. 151,569, Oct. 26.
- Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Pump. 149,389, Apr. 20.
- Sverdluk, Jack D., West Hempstead, Long Island, N. Y. Combined high chair and baby walker. 151,417, Oct. 12.
- Swain Nelson Engineering and Equipment Company, assignee: *See*—
Graef, John N.
- Swank, Inc., assignee: *See*—
Howard, Viola T.
- Swanson, Carl E., Chicago, Ill. Lighting device for locks or the like. 150,816, Aug. 31.
- Swartzbaugh Manufacturing Company, The, assignee: *See*—
Sundberg, Carl W., and Ferar.
- Swedlin, Jacob, New York, N. Y. Stuffed toy animal or similar article. 149,390, Apr. 20.
- Sweet, H. E., Manufacturing Co., assignee: *See*—
Sweet, Robert E.
- Sweet, Robert E., assignor to H. E. Sweet Manufacturing Co., Providence, R. I. Push pin. 149,099, Mar. 23.
- Swengel, Robert C., York, Pa. Hobby horse. 151,299, Oct. 5.
- Swenson, Erich S., St. Paul, assignor to The Flour City Ornamental Iron Company, Minneapolis, Minn. Boat. 149,983, June 15.
- Swenson, Ray J., Anoka, Minn. Milk cart. 150,475, Aug. 3.

- Swikart, George, Yonkers, assignor to Plastal Corporation, New York, N. Y. Spectacle case. 151,477, Oct. 19.
- Swimmer, Morris, Pittsburgh, Pa. Hose nozzle. 148,892, Mar. 2.
- Swygard, Aubrey C., assignor to The Aero Equipment Corporation, Bryan, Ohio. Dispenser cabinet or the like. 148,398, Jan. 13.
- Sykes, William Limited, assignee: *See*—Briggs, Charles B.
- Sylvania Electric Products, Inc., assignee: *See*—Nitardy, Carl.
- Taber Associates, assignee: *See*—Trowbridge, Charles A.
- Taber, Clifford W., Pasadena, Calif. Welding electrode holder. 151,101, Sept. 21.
- Tackenberg, Richard C., and K. C. Applegate, Cincinnati, Ohio. Holder for a coffee maker. 148,734, Feb. 17.
- Talge, Foster L.: *See*—Majewski, Joseph M., Jr., and Whitfill.
- Talge, Henry J.: *See*—Travis, Albert M.
- Talge, Henry J.: *See*—Majewski, Joseph M., Jr., and Whitfill.
- Talge, Henry J., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Broiler. 149,918, June 8.
- Talge, Henry J., Kansas City, Mo., and A. M. Travis, Kansas City, Kans. Ice crusher. 151,102, Sept. 21.
- Talge, Henry J., and E. F. Whitfill, assignors to J. C. Hockery, Kansas City, Mo., as trustee. Fruit juicer. 151,103, Sept. 21.
- Talge, Henry J., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Broiler base. 152,043, Dec. 7.
- Tall, Nathan, Los Angeles, Calif. Link chain for a bracelet or similar article. 150,324, July 20.
- Tanasso, Vincent, Harrison, N. Y. Spectacle frame. 150,911, Sept. 7.
- Tarlou, Isidor, Brockton, Mass. Shoe. 148,964, Mar. 9.
- Tatar, Frank, assignor to Berwyn Lamp & Shade Manufacturing Co., Cincinnati, Ohio. Pedestal. 148,893, Mar. 2.
- Taylor, Alfred E., assignee: *See*—Moberg, Jerome E.
- Taylor, Clarence H., assignee: *See*—Elnes, Army O.
- Taylor, Ernest W., assignor to Industrial Brownhoist Corp., Bay City, Mich. Crane cab. 149,707, May 18.
- Taylor, Merle E., Luckettts, Va. Doll's head ornament or similar article. 149,526, May 4.
- Taylor, Raymond R., Brooklyn, Mich. Tricycle. 150,817, Aug. 31.
- Taylor, Robert F., Hounslow, assignor to G. B. Kent & Sons, Limited, London, England. Palate plate brush. 151,570, Oct. 26.
- Taylor, Robert H., Brooklyn, N. Y. Finger ring. 151,198, Sept. 28.
- Taylor, Walter W., and L. McMenemy, Kansas City, Kans. Game check. 150,099, June 29.
- Tazelaar, Henry J., assignor to American Seating Company, Grand Rapids, Mich. Pulpit. 150,170, July 6.
- Tazelaar, Henry J., assignor to American Seating Company, Grand Rapids, Mich. Pulpit. 150,171, July 6.
- Tazelaar, Henry J., assignor to American Seating Company, Grand Rapids, Mich. Pulpit. 150,172, July 6.
- Tazelaar, Henry J., assignor to American Seating Company, Grand Rapids, Mich. Pulpit. 150,173, July 6.
- Tazelaar, Henry J., assignor to American Seating Company, Grand Rapids, Mich. Pulpit. 150,174, July 6.
- Teague, Walter D., Annandale, N. J., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 149,233, Apr. 6.
- Teague, Walter D., Annandale, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 151,418, Oct. 12.
- Teague, Walter D., Annandale, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 151,419, Oct. 12.
- Teague, Walter D., Annandale, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 151,420, Oct. 12.
- Teague, Walter D., Annandale, N. J., and R. J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc. Fountain pen or similar article. 151,664, Nov. 2.
- Teague, Walter D., Annandale, N. J., and R. J. Harper, Scarsdale, N. Y., assignors to Scripto, Inc. Fountain pen or similar article. 151,665, Nov. 2.
- Teague, Walter D., Annandale, N. J., R. H. Ensign, Bronxville, N. Y., H. R. Beal, Boston, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Photographic camera or similar article. 152,229, Dec. 28.
- Teahan, Teresa M. C., assignee, et al.: *See*—Caruso, Mario.
- Tecca, Umberto, Bridgeport, Conn., assignor of one-half to E. D. Bullian, Greenbelt, Md. Radio cabinet. 149,457, Apr. 27.
- Tek Hughes Inc., assignee: *See*—Mayer, Joseph W.
- Temp-Rite Manufacturing Company, assignee: *See*—Acton, Grant M.
- Tenczar, John B., Wallingford, Conn. Ash receiver. 150,325, July 20.
- Tennessee Enamel Manufacturing Co., assignee: *See*—Hart, Frederick D.
- Tennyson, Homer W.: *See*—Wand, Alvin P., and Tennyson.
- Texas Tackle Company, Inc., The, assignee: *See*—Raschke, William L.
- Thayer, Francis M.: *See*—Marrison, Warren A., and Thayer.
- Theis, Elmer E., assignor to Ace Pump Corporation, Memphis, Tenn. Well pump. 151,019, Sept. 14.
- Thieblot, Armand J., Hagerstown, Md., assignor to Fairchild Engine & Airplane Corporation. Airplane. 148,595, Feb. 3.
- Thienhaus, Agnes E., Milwaukee, Wis. Combined candelabrum and flower vase. 148,965, Mar. 9.
- Thomas, Haywood, New York, N. Y. Cigarette rack. 150,175, July 6.
- Thomas, Judy, Los Angeles, Calif. Aquarium table. 149,527, May 4.
- Thompson, Gran-vill, Joplin, Mo. Combined hat and coat rack. 148,663, Feb. 10.
- Thompson, William H., Detroit, Mich. Trolling reel. 149,152, Mar. 30.
- Thompson, William F., Philadelphia, Pa. Clock. 151,300, Oct. 5.
- Thomson, Clytie A., Roanoke, Va. Bench. 150,272, July 13.
- Thomson, Clytie A., Roanoke, Va. Vanity. 150,739, Aug. 24.
- Thomson, Ernest F., Tuckahoe, N. Y., assignor to C. E. Hovey, Kansas City, Mo., trustee. Bottle vending machine case. 148,399, Jan. 13.
- Thomson, Ernest F., Tuckahoe, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, Kansas City, Mo. Phonograph cabinet. 149,849, June 1.
- Thomssen, Amy L.: *See*—Little, John M., and Thomssen.
- Thomssen, Amy L., and J. M. Little, Toledo, Ohio. Sink fixture. 149,234, Apr. 6.
- Thomssen, Amy L., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Tub filler with transfer unit for diverting water to shower. 151,199, Sept. 28.
- Thornquist, Russell A., Grand Rapids, assignor to Extensole Corporation, Sparta, Mich. Table. 150,662, Aug. 17.
- Thurgar Bolle Limited, assignee: *See*—Bolle, Georges.
- Thurrow, Ottilie: *See*—McCoy, Justus G., and Thurrow.
- Thygeson, Arthur T., New York, and P. Schladermundt, Bronxville, N. Y., assignors to National Casket Company, Inc., Boston, Mass. Burial casket. 151,421, Oct. 12.
- Tiller, Louin, Chicago, Ill. Steam system control unit for return of condensate to boiler. 152,044, Dec. 7.
- Tillinghast, George H., Burlington, N. J. Dummy plug for electric outlets. 151,571, Oct. 26.
- Tilton & Cook Co., assignee: *See*—Holden, Crofton C.
- Timely Toys, Inc., assignee: *See*—Hoffmann, William E.
- Timme, E. F., & Son, assignee: *See*—Biva, Lucien.
- Tip Top Cookies Inc., assignee, et al.: *See*—Ferrer, Walter O.
- Titan Metal Manufacturing Company, The, assignee: *See*—Shook, Jacob W.
- Titchenal, Oliver R.: *See*—Merrill, Phillip E., and Titchenal.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,984, June 15.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,985, June 15.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,986, June 15.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,987, June 15.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,988, June 15.
- Titelman, Frank M., Altoona, Pa. Sweater. 149,989, June 15.
- Tjaarda, John, Detroit, assignor to The Sparks-Withington Company, Jackson, Mich. Portable automatic ironer. 148,828, Feb. 24.
- Tjaarda, John, Grosse Pointe Shores, assignor, by mesne assignments, to Training Devices, Inc., Detroit, Mich. Cabinet for a film projection unit constituting visual training and mechanical game device. 149,458, Apr. 27.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 149,235, Apr. 6.
- Tomarin, Harry A., Cincinnati, Ohio. Tie rack or similar article. 151,572, Oct. 26.
- Tomaszewski, Clara B., Brooklyn, N. Y. Stuffed koala bear. 149,595, May 11.
- Tomlinson of High Point, assignee: *See*—Neville, Rey W.
- Tomshinsky, Victor, New York, N. Y. Dress. 151,104, Sept. 21.
- Torres, August S., Kinderhook, N. Y. Coffee roasting machine. 148,735, Feb. 17.
- Totz, Earl A., Detroit, Mich. Tricycle. 150,818, Aug. 31.
- Toussaint, Jeanne, Paris, France, assignor to Cartier, Inc., New York, N. Y. Brooch or similar article. 150,273, July 18.

- Towle Manufacturing Company, assignee: *See*—
Nock, Harold E.
- Towne, George: *See*—
Rausch, John T., and Towne.
- Townsend Manufacturing Company, assignee: *See*—
Alessandrini, Guido.
- Trabucco, Vincent R., assignor to Steger Products Mfg. Corp., Steger, Ill. Stroller or similar article. 150,476, Aug. 3.
- Trad, Victor, Deal, N. J. Combination radio and television cabinet. 149,459, Apr. 27.
- Trafari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
- Training Devices, Inc., assignee: *See*—
Tjaarda, John.
- Travis, Albert M.: *See*—
Talge, Henry J., and Travis.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,498, Jan. 27.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,499, Jan. 27.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,500, Jan. 27.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,501, Jan. 27.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 148,502, Jan. 27.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Display stand. 148,736, Feb. 17.
- Travis, Albert M., Kansas City, Kans. Juice extractor. 149,319, Apr. 13.
- Travis, Albert M., Kansas City, Kans. Juice extractor. 149,320, Apr. 13.
- Travis, Albert M., Kansas City, Kans. Juice extractor. 149,321, Apr. 13.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., trustee. Display case. 149,708, May 18.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo. Display case. 149,990, June 15.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Display case. 149,991, June 15.
- Treat, Floyd C., Barrington, assignor to Athletic Shoe Company, Chicago, Ill. Winter sport shoe. 149,236, Apr. 6.
- Treiss, Herman G., Brooklyn, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 151,946, Nov. 30.
- Trenholm, Portia L., Montgomery, Ala. Earring rack. 148,894, Mar. 2.
- Trenholm, Portia L., Montgomery, Ala. Earring rack. 148,895, Mar. 2.
- Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
- Trine Manufacturing Corporation, assignee: *See*—
Kalwo, Ludwig J.
- Triplex, Inc., assignee: *See*—
Young, Hugh B.
- Troche, Herman J.: *See*—
Holán, James H., Jr., and Troche.
- Trombley, Bertrand N., Birmingham, assignor to The Murray Corporation of America, Detroit, Mich. Accessory lamp for a cook stove. 152,177, Dec. 21.
- Trombley, Bertrand N., Birmingham, assignor to The Murray Corporation of America, Detroit, Mich. Splash back trim for a stove. 152,178, Dec. 21.
- Troskin, Abraham, Brooklyn, N. Y. Lamp. 151,861, Nov. 23.
- Trout, Evelyn: *See*—
Lewis, Florence K., and Trout.
- Trowbridge, Charles A., Roxborough, assignor to Taber Associates, Philadelphia, Pa. Light fixture. 149,323, Apr. 13.
- Troy, Arnold, Scarsdale, assignor to Eastern Metal Products Co., Tuckahoe, N. Y. Electric iron. 149,153, Mar. 30.
- Troy Sunshade Company, The, assignee: *See*—
Roth, Alice.
- Trnka, Otto A., Saugerties, N. Y. Bicycle. 149,322, Apr. 13.
- Trumbull Electric Manufacturing Company, The, assignee: *See*—
Kerr, Roger B., and Waggoner.
Waggoner, William G., and Kerr.
- Tru-Vue, Inc., assignee: *See*—
Mast, Gifford M.
- Tucker, Otto N., Wilmington, assignor to The Mechanics' Tool and Forge Company, Sabina, Ohio. Tool handle. 149,992, June 15.
- Tullo, James A., Boston, Mass. Combined wrist watch and stem guard. 151,301, Oct. 5.
- Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric Corporation. Drinking fountain or similar article. 151,800, Nov. 16.
- Tumminello, Angelo, Chicago, Ill. Picture frame. 150,477, Aug. 3.
- Tunstall, Henry J., Rockledge, Pa. Cigarette package holder or similar article. 149,460, Apr. 27.
- Turk, Solomon, Brooklyn, N. Y. Electric plug. 148,896, Mar. 2.
- Turner, Edgar P., Fanwood, and C. F. Neagle, North Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner. 149,528, May 4.
- Turner, John L., Old Saybrook, Conn. Snow sled or the like. 148,829, Feb. 24.
- Tutt, John W., Glendale, Calif. Golf tee or similar article. 149,237, Apr. 6.
- Tuynman, Houton, Company, assignee: *See*—
Denys, Lucian.
- Twamley, William E., Providence, R. I., assignor to Brown & Sharpe Manufacturing Company. Roller box tool. 149,596, May 11.
- Twayne Cosmetic Co., assignee: *See*—
Jackson, Walter S.
- Twente, Herbert H., Independence, Mo. Combination cupboard, table, and benches. 148,449, Jan. 20.
- Ubaldi, Mario C., Chicago, Ill., assignor to Excel Movie Products, Inc. Motion picture projector. 148,830, Feb. 24.
- Udall & Landan Manufacturing Co. Inc., assignee: *See*—
Frettoloso, Lawrence P.
- Uihlein, Erwin C., Grafton, assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Display sign. 151,105, Sept. 21.
- Ullmann, Louise L., New York, N. Y. Bow tie holder. 149,919, June 8.
- Ul vad, Bernard, assignor to Fosgood Corporation, Leominster, Mass. Napkin holder or the like. 148,664, Feb. 10.
- Ul vad, Bernard, assignor to Fosgood Corporation, Leominster, Mass. Comb or the like. 150,326, July 20.
- Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
- Underwood, Gilbert S., Washington, D. C. File box. 149,461, Apr. 27.
- Underwood, Gilbert S., Washington, D. C. Combined drawer pull and label holder. 150,912, Sept. 7.
- Unger, Alex, assignor to Advance Creations, Inc., New York, N. Y. Belt. 150,524, Aug. 10.
- Union Cutlery Company, Inc., assignee: *See*—
Veviritt, James V.
- Union-National, Inc., assignee: *See*—
Millsbaugh, Cedric E.
- Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
- United Advertising Corporation, assignee: *See*—
Hathaway, William R.
- United Aircraft Corporation, assignee: *See*—
Katzenberger, Edward F., and Gluhareff.
Sikorsky, Igor I.
Sikorsky, Igor I., and Gluhareff.
- United Air Lines, Inc., assignee: *See*—
Crawford, Marion B., and Mitchell.
- United Cigar-Whelan Stores Corporation, assignee: *See*—
Malkin, Simon.
- United Metal Goods Manufacturing Co. Inc., assignee: *See*—
Punzak, Joseph F., and Levy.
- United Mills Corporation, assignee: *See*—
Rose, Leo, Myers, and Richter.
- U. S. Machine Corporation, assignee: *See*—
Winkler, Herman E., and C. J.
- United Thermo-Stable Corporation, assignee: *See*—
Fordyce, Charles L.
- United Wallpaper, Inc., assignee: *See*—
Burton, William.
- Universal Camera Corporation, assignee: *See*—
Kende, George.
Whitaker, David C.
- Untermyer, Martin E., South Orange, N. J. Combined engagement ring and wedding ring. 149,709, May 18.
- Utley, Lewis S., Forest Hills, Long Island, N. Y., assignor to Columbia Protokosite Co., Inc., Carlstadt, N. J. Transparent comb. 150,039, June 22.
- Uydess, Benjamin, New York, N. Y. Bench vise. 151,302, Oct. 5.
- Vaars, Eugene P., assignor to Electronic Units Inc., Dayton, Ohio. Artificial fish lure. 149,238, Apr. 6.
- Valenstein, Samuel, New York, N. Y. Robe or similar article. 148,665, Feb. 10.
- Valentino, Nick, Brooklyn, N. Y. Combination bathroom unit. 150,100, June 29.
- Valksnoras, Anthony, Jr.: *See*—
Shewitz, Newson, Sloane, and Valksnoras.
- Vallant Appliances, Inc., assignee: *See*—
Yaeger, Paul.
- Vallanti, Joseph J., New York, N. Y. Scarf. 150,040, June 22.
- Valley, Earl M., Englewood, Ohio. Radio cabinet. 152,179, Dec. 21.
- Valley Research Corporation, assignee: *See*—
Atkinson, William E.
- Van Brunt, Geneva U., North Wilbraham, Mass. Lamp shade. 149,391, Apr. 20.
- Van Cleef & Arpels, Inc., assignee: *See*—
Arpels, Claude.
Duvalet, Maurice.
- Vandernoot, Catherine, New York, N. Y. Rosary. 149,462, Apr. 27.

- Van Dirsten, Margaret, and B. A. and H. L. Bassett, Detroit, Mich.; said H. L. Bassett assignor to said Van Dirsten and said B. A. Bassett. Smoking pipe. 148,503, Jan. 27.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Clock frame or similar article. 150,663, Aug. 17.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Optical comparator. 151,947, Nov. 30.
- Van Dyk, Katharine G., Scarsdale, N. Y. Dental supply kit. 151,020, Sept. 14.
- Van Leuven, Karl, Jr., Hollywood, assignor to I. Yoakum, Los Angeles, Calif. Brassière. 150,383, July 27.
- Van Valkenburgh, Cecil J., Belleville, Mich. Child's seating and moving airplane toy. 149,710, May 18.
- Variety Development and Engineering Company, assignee: *See—*
Livers, Carlos B.
- Varrieur, Albert L., assignor to The Glenn L. Martin Company, Baltimore, Md. Adjustable passenger loading ramp. 149,392, Apr. 20.
- Vaughn, George A., Newton, Iowa. Trenching machine frame. 149,030, Mar. 16.
- Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Ditching machine frame. 149,031, Mar. 16.
- Vaughn, Ray A., Sheboygan, Mich. Fish lure. 151,106, Sept. 21.
- Vaughn, Ray A., Sheboygan, Mich. Fish lure. 151,107, Sept. 21.
- Veltman, John C., and W. O. Michelsen, St. Louis County, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Typewriter or the like. 150,041, June 22.
- Venekamp, John: *See—*
Stupka, John J., and Venekamp.
- Verduyn, John W., and L. M. Mason, Long Beach, Calif.; said Mason assignor to said Verduyn. Cracker tray. 151,108, Sept. 21.
- Vermillion, William R., Kansas City, Mo. Knife rest. 152,230, Dec. 28.
- Verson Allsteel Press Company, assignee: *See—*
Berg, Louis B.
- Vetter, Homer J., Seattle, Wash. Tubular chair. 148,504, Jan. 27.
- Vevirit, James V., Kenmore, assignor to Union Cutlery Company, Inc., Olean, N. Y. Knife holder. 151,478, Oct. 19.
- Vibber, John R., Kennewick, Wash. Combination twin walker and stroller for children. 152,045, Dec. 7.
- Vickers, Alan B., San Jose, Calif. Beach sandal base. 152,046, Dec. 7.
- Vickers Incorporated, assignee: *See—*
Readman, Bernard L.
- Victor Electric Products, Inc., assignee: *See—*
Lippincott, Joshua G.
- Vincent-McCall Company, The, assignee: *See—*
Vincent, William W., Jr.
- Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chaise longue. 148,666, Feb. 10.
- Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chaise longue. 150,176, July 6.
- Vogel, Edward J., Belleville, N. J. Fountain pen desk stand. 148,737, Feb. 17.
- Vogel, Fenick A., West Caldwell, assignor to The Oiljak Manufacturing Co., Inc., Montclair, N. J. Spark plug cleaner. 150,740, Aug. 24.
- Voigt, M. J., Rubber Corporation, assignee: *See—*
Barton, Mell M.
- Volpe, Daniel, New York, N. Y. Cigarette dispenser. 152,047, Dec. 7.
- Von Erdberg, Amy, Boston, Mass. Toy animal figure. 151,801, Nov. 16.
- Von Frantzius, Peter, Chicago, Ill. Signal device. 150,384, July 27.
- Von Miklos, Josephine, New Canaan, Conn., assignor to Whitehall Pharmaceutical Company. Lipstick container. 149,711, May 18.
- Von Miklos, Josephine, New Canaan, Conn., assignor to J. Cochran, Indio, Calif. Bottle. 151,862, Nov. 23.
- Vosbikian, Peter N., and T. S., Melrose, Pa. Combination mophead unit. 151,021, Sept. 14.
- Vosbikian, Thomas S.: *See—*
Vosbikian, Peter S. and T. S.
- Vose, Edwin W., Orange, N. J., assignor to Spray Process Co., Inc. Motor driven blower for cleaning, drying, and spraying purposes. 150,177, July 6.
- Vozzella, Michael, Malden, Mass. Candlestick. 148,667, Feb. 10.
- Vozzella, Michael, Malden, Mass. Candlestick. 149,032, Mar. 16.
- Vulcanized Rubber and Plastics Company (Incorporated), assignee: *See—*
Frickel, John.
- W. & F. Manufacturing Co., Inc., The, assignee: *See—*
Donahue, Ann.
Williams, Paul A.
- Wachsman, Melson J., Grand Rapids, assignor to Wilcox-Gay Corporation, Charlotte, Mich. Combination radio and phonograph cabinet. 150,274, July 13.
- Wager, Sidney G., assignor to The I. T. S. Company, Elyria, Ohio. Shoe sole or similar article. 149,529, May 4.
- Wagner, Carl J., Detroit, Mich. Combination louvre and drip molding. 148,831, Feb. 24.
- Wagner, Elmer A., Portland, Oreg. Lift truck. 152,180, Dec. 21.
- Wagner, Franz, Chicago, Ill., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Hand and nail brush. 150,913, Sept. 7.
- Wagner, Franz, Chicago, Ill., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Military brush. 151,109, Sept. 21.
- Wagner, William E., Chicago, Ill. Lamp base. 149,033, Mar. 16.
- Waggoner, William G.: *See—*
Kerr, Roger B., and Waggoner.
- Waggoner, William G., Stamford, Conn., and R. B. Kerr, Jamestown, R. I., assignors, by mesne assignments, to The Trumbull Electric Manufacturing Company. Electric switch handle. 149,712, May 18.
- Waite, Ann, New York, N. Y. Dress. 150,741, Aug. 24.
- Walker, Albert R., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Theatre. 149,324, Apr. 13.
- Walker, Joset, New York, N. Y. Dress. 148,505, Jan. 27.
- Walker, Joset, New York, N. Y. Dress. 150,525, Aug. 10.
- Walker, Robert A., Pacific Palisades, assignor to H. F. Gowen, Balboa Island, Calif. Automobile. 148,832, Feb. 24.
- Walker, William H., Glendale, assignor to American Brazed Products, Los Angeles, Calif. Bicycle frame. 151,110, Sept. 21.
- Wallace Corporation, The, assignee: *See—*
Christmas, William T.
- Wallace, Joseph, Cedarhurst, N. Y. Fountain pen clip. 148,966, Mar. 9.
- Wallace, R., & Sons Manufacturing Company, assignee: *See—*
Warren, William S.
- Wallace, Robert C., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Vehicle. 150,101, June 29.
- Walsh, John J., St. Louis, Mo. Shoe. 151,303, Oct. 5.
- Walsh, John J., St. Louis, Mo. Shoe. 151,304, Oct. 5.
- Walters, John N., New York, N. Y. Bedroom slipper or similar article. 150,178, July 6.
- Walters, Pauline B., Los Angeles, Calif. Cigarette humidor or the like. 150,179, July 6.
- Waltman, Chauncey E., assignor to Shure Brothers Inc., Chicago, Ill. Microphone. 150,275, July 13.
- Waltman, Chauncey E., assignor to Nutone, Incorporated, Chicago, Ill. Push button. 151,305, Oct. 5.
- Wand, Alvin P., and H. W. Tennyson, St. Louis, Mo. Bracelet. 150,276, July 13.
- Wapnick, Herman, Brooklyn, N. Y. Baby rattle or the like. 150,478, Aug. 3.
- Wapnick, Herman, Brooklyn, N. Y. Dress ornament. 151,422, Oct. 12.
- War, United States of America as represented by the Secretary of, assignee: *See—*
Jones, Thomas H.
- Warch, Ernest H., assignee, et al.: *See—*
Warch, John A.
- Warch, John A., Woodlawn, assignor of two-thirds to E. H. Warch and H. H. Hupfeldt, Baltimore and Towson, Md. Smoker's pipe stem. 150,042, June 22.
- Ward, Raymond R., Brecksville, Ohio. Soap cake holder. 149,100, Mar. 23.
- Ward, Vincent S., and G. K. Hurlbut, assignors to B. M. C. Manufacturing Corp., Binghamton, N. Y. Electrical connection plug. 148,897, Mar. 2.
- Warner, Admiral D., Longview, Wash. Steak tong. 149,920, June 8.
- Warner, Henry T., Chicago, Ill. Smoking stand or the like. 148,450, Jan. 20.
- Warner, Michael M., Winnetka, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 152,181, Dec. 21.
- Warner, Stanley: *See—*
Morin, Luke O., Jr., and Warner.
- Warren Featherbone Co., The, assignee: *See—*
Kraft, Marie J.
- Warren, William O., assignor to The Dentist's Supply Company of New York, New York, N. Y. Desk ornament. 149,850, June 1.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 149,154, Mar. 30.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 149,155, Mar. 30.
- Warrender, Ralph, Sharon, Pa. Bobsled. 148,967, Mar. 9.
- Waterman, Arthur, Philadelphia, Pa. Tie rack. 148,596, Feb. 3.
- Waskiewicz, Helen V.: *See—*
Potts, Thomas A., and Waskiewicz.
- Way, William P., Floral Park, N. Y. Light box for viewing color transparencies. 151,479, Oct. 19.
- Weatherington, Linn J., Los Angeles, Calif. Golf club head. 149,156, Mar. 30.
- Weaver, Burnley, Asheville, N. C. Target. 150,180, July 6.

- Webb, Herbert H., Grosse Pointe, Mich. Telephone holder. 150,664, Aug. 17.
- Webber, Ralph, New York, N. Y. Cigarette container. 149,597, May 11.
- Weber, Henry J., Franklinville, and D. F. Bennett, Hadonfield, assignors to Warren Webster & Company, Camden, N. J. Baseboard radiator shield unit. 151,022, Sept. 14.
- Webster-Chicago Corporation, assignee: *See*—Dale, Colin B.
- Webster Industries, Inc., assignee: *See*—Henne, Julius A.
- Webster Rubber Company, assignee: *See*—Hubbard, Flavius B.
- Webster, Warren, & Company, assignee: *See*—Weber, Henry J., and Bennett.
- Webster, William A., Wilmar, Calif., assignor to Southern California Fence Co. Barbed wire supporting arm for fences. 150,526, Aug. 10.
- Webster, William A., Los Angeles, Calif., assignor to Southern California Fence Co. Fence post top member. 150,742, Aug. 24.
- Weckstein, Joseph, New York, N. Y. Fur coat. 151,573, Oct. 26.
- Wedemeyer, Eric, Floral Park, N. Y. Music box. 150,277, July 13.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Fork or similar article of flatware. 150,479, Aug. 3.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 150,480, Aug. 3.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 150,481, Aug. 3.
- Weidlich Bros. Manufacturing Company, assignee: *See*—Flauder, Alfred J.
- Weigel, Norman E., Short Hills, N. J. Pen nib. 149,921, June 8.
- Weil, Lewis P., Cynwyd, Pa. Portable electric fountain. 151,423, Oct. 12.
- Weil, Max, assignee: *See*—Baker, George A.
- Weinberg, David H., assignor to Fountain Server Co., Inc., Philadelphia, Pa. Luncheon table. 148,506, Jan. 27.
- Weiner, Abner, assignee: *See*—Kaplan, Barnett D.
- Weinstein, Alex J., Mount Vernon, N. Y. Combination photographic filter turret and sun shade. 150,102, June 29.
- Weintraub, Jack J., Chicago, Ill. Mechanical bank. 149,463, Apr. 27.
- Weisblatt, Sol: *See*—Margolis, David, and Weisblatt.
- Weisman, Julius, Providence, R. I., assignor to Plainville Stock Company, Plainville, Mass. Alphabet for forming monograms or the like. 151,306, Oct. 5.
- Weiss, Alexander C., Chicago, Ill. Luggage handle. 149,598, May 11.
- Weiss, Alexander C., Chicago, Ill. Salad server. 151,480, Oct. 19.
- Weiss, Alexander C., Chicago, Ill. Scouring pad holder. 152,048, Dec. 7.
- Welch, Alanson U., Jr., West Springfield, Mass., assignor to General Electric Company. Welder. 152,049, Dec. 7.
- Weiden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Pressure cooker. 148,833, Feb. 24.
- Weldon, George B., East Orange, N. J. Combination ash tray and cigarette snuffer. 152,231, Dec. 28.
- Wells, Raymond L., Attleboro, assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 150,385, July 27.
- Wells, Raymond L., Attleboro, assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 150,386, July 27.
- Wells, Raymond L., Attleboro, assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 150,387, July 27.
- Welsh, Frederick E., Springwater, N. Y. Dispensing device for dog biscuits or the like. 151,722, Nov. 9.
- Welsh, James H., assignee et al.: *See*—Fruit, Edmund W.
- Welsh, R. T., assignee et al.: *See*—Fruit, Edmund W.
- Welvang, Norman H., St. Paul, Minn. Front for goggles. 149,713, May 18.
- Wendt, Robert H., Evanston, Ill. Pancake turner or similar article. 151,666, Nov. 2.
- Werner, Ephraim: *See*—Nagin, Harry S., and Werner.
- Werner, R. D., Co., Inc., assignee: *See*—Schmidt, Herbert D.
- Stephenson, Charles E., and Schmidt.
- Werthelm, Adolph, assignor to Setroy Inc., New York, N. Y. Shoe. 150,743, Aug. 24.
- Wescott, Harvey M., South Westport, Mass. Bowling game board. 151,200, Sept. 28.
- Wescott, Harvey M., South Westport, Mass. Back pool board. 151,201, Sept. 28.
- Westall, Evelyn, New York, N. Y. Box. 150,043, June 22.
- West Disinfecting Company, assignee: *See*—Gilmore, Burdette B.
- Wester, Edwin J., assignor to Ritter Company, Inc., Rochester, N. Y. Dental cuspidor unit. 148,834, Feb. 24.
- Westerland, John, Scottsdale, Pa. Can punch and opener. 148,400, Jan. 13.
- Westinghouse Electric Corporation, assignee: *See*—Guild, Lurette.
- Little, John M.
- Perl, Frederick W.
- Peterson, Clyde A.
- Tull, Robert H.
- Winkler, Frederic C., and Beggs.
- Winkler, Frederic C., and Wyman.
- Westlake, Edwin, assignor to A. B. A. Specialties, Incorporated, New York, N. Y. Table, desk, or similar article. 151,111, Sept. 21.
- Weston, Alexander S., New York, N. Y. Ball pen or similar article. 148,338, Jan. 6.
- Weston, Alexander S., New York, N. Y. Writing instrument. 149,922, June 8.
- Weston, Alexander S., New York, N. Y. Combined cap and clip for a fountain pen or similar article. 151,307, Oct. 5.
- Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 148,898, Mar. 2.
- Wetlaufer, Elmer G., Bloomfield Hills, Mich. Combined arm rest and door pull. 148,963, Mar. 9.
- Wewetzer, Albert: *See*—King, David M., and Wewetzer.
- Wheeler, Blanche S.: *See*—Farnam, Helen R., and Wheeler.
- Wheeler, Richard, and R. F. Gozard, Des Moines, Iowa. Measuring comb. 149,393, Apr. 20.
- Whitaker, David C., assignor to Universal Camera Corporation, New York, N. Y. Camera. 152,232, Dec. 28.
- White, Al B., assignor to Al B. White Manufacturing Co., Inc., Freeport, N. Y. Sully. 149,157, Mar. 30.
- White, Al B., Manufacturing Co., Inc., assignee: *See*—White, Al B.
- White, Constance R., Beverly Hills, Calif. Doll or similar article. 149,530, May 4.
- White, Constance R., Beverly Hills, Calif. Toy animal figure or similar article. 149,531, May 4.
- White, Constance R., Beverly Hills, Calif. Toy jack-in-the-box or similar article. 151,723, Nov. 9.
- White, David, Company, assignee: *See*—Rochwhite, Seton I.
- White, George H.: *See*—Spilman, Raymond, and White.
- White, Lysander T., assignor to Cities Service Oil Company, New York, N. Y. Service station. 151,724, Nov. 9.
- White, Satrauna W., Seattle, Wash., now by decree of marriage Satrauna W. Luckett. Jacket or the like. 150,278, July 13.
- Whitehall Pharmaceutical Company, assignee: *See*—Von Miklos, Josephine.
- Whitfill, Elton F.: *See*—Majewski, Joseph M., Jr., and Whitfill.
- Whitehouse Products, Inc., assignee: *See*—Lawson, William L.
- Whittier, Sidney B., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,802, Nov. 16.
- Whittier, Sidney B., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,803, Nov. 16.
- Whitfill, Elton F.: *See*—Talge, Henry J., and Whitfill.
- Whitman, George L., Weedsport, and C. D. Gunn, Auburn, N. Y. Pruning saw. 151,725, Nov. 9.
- Whittaker, Wm. R., Co., Ltd., assignee: *See*—Hawkins, Douglas F., and Moore.
- Whyte, Ruth L., Chicago, assignor to Operadio Manufacturing Co., St. Charles, Ill. Cabinet for intercommunicating system. 148,343, Jan. 6.
- Whyte, Ruth L., Chicago, assignor to Operadio Manufacturing Co., St. Charles, Ill. Cabinet for intercommunicating system. 148,344, Jan. 6.
- Wibault, Michel, New York, N. Y. Airplane. 150,181, July 6.
- Wilber, Bernard M., Berkeley, Calif. Life preserver. 149,158, Mar. 30.
- Wiechmann, Berté A., and F. W. Robson, Portland, Oreg., assignors to Jantzen Knitting Mills. Sweater. 149,851, June 1.
- Wiechmann, Berté A., and F. W. Robson, Portland, Oreg., assignors to Jantzen Knitting Mills. Sweater. 149,852, June 1.
- Wiechmann, Berté A., and F. W. Robson, Portland, Oreg., assignors to Jantzen Knitting Mills. Sweater. 150,182, July 6.
- Wiechmann, Berté A., and F. W. Robson, Portland, Oreg., assignors to Jantzen Knitting Mills. Sweater. 150,183, July 6.
- Wiechmann, Berté A., and F. W. Robson, Portland, Oreg., assignors to Jantzen Knitting Mills. Sweater. 150,184, July 6.
- Wies, Frances, Brooklyn, N. Y. Make-up palette, or similar article. 150,279, July 13.
- Wieseman, Theodore R., and R. I. Robinson, assignors to The Louis Allis Company, Milwaukee, Wis. Electric motor. 151,308, Oct. 5.

- Wigley, John T., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 149,325, Apr. 13.
- Wild, Helena A., New York, N. Y. Potholder rack. 148,738, Feb. 17.
- Wilcox-Gay Corporation, assignee: *See*—Wachsman, Melson J.
- Wilks, Edmund F., Dover Heights, near Sydney, New South Wales, Australia. Stove casing. 148,739, Feb. 17.
- Willey, Gordon A., Maywood, Ill. Handle bar grip. 149,714, May 18.
- Williamowicz, John, Worcester, Mass. Eelskin rig for bass. 151,481 Oct. 19.
- Willard Storage Battery Company, assignee: *See*—Raney, Robert M.
- Williams, Dewayne K., Anaheim, Calif. Trophy base. 150,744, Aug. 24.
- Williams, John F., Hingham, Mass. Door knocker. 151,574, Oct. 26.
- Williams, Paul A., Ebenezer, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,280, July 13.
- Williams, Paul A., Ebenezer, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,281, July 13.
- Williams, Paul A., Ebenezer, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,388, July 27.
- Williams, Paul A., Ebenezer, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,389, July 27.
- Williams, Paul A., Ebenezer, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Candle. 150,390, July 27.
- Williams, Roger T., assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded pulp decoy. 148,507, Jan. 27.
- Williams, Roger T., assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded pulp decoy. 148,508, Jan. 27.
- Willson Products, Inc., assignee: *See*—Lindgren, Orton W., Jr.
Mackenzie, Donald M.
- Willys-Overland Motors, Inc., assignee: *See*—Roos, Delmar G.
- Wilmot Castle Company, assignees: *See*—Greppin, Ernest H., and Salvia.
- Wilson, Binnie B., Chagrin Falls, Ohio. Wallpaper. 151,482, Oct. 19.
- Wilson, Jack C., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Navigation instrument for aircraft. 148,339, Jan. 6.
- Wilson, Joyce D., Minneapolis, Minn. Moccasin. 148,340, Jan. 6.
- Wilson, Harry C., Sherman Oaks, assignor to R. H. Clark, Los Angeles, Calif. Can opener. 149,532, May 4.
- Wilson Industries, Inc., assignee: *See*—Wilson, William H.
- Wilson & Son, assignee: *See*—Wilson, William.
- Wilson, Thomas W., Millville, N. J. Lamp. 148,969, Mar. 9.
- Wilson, Wallace D., Long Beach, Calif. Shower sandal. 152,233, Dec. 28.
- Wilson, William, assignor to Wilson & Son, Selma, Ala. Hat blocking machine. 149,853, June 1.
- Wilson, William H., Hempstead, assignor to Wilson Industries, Inc., West Hempstead, N. Y. Candlestick. 149,599, May 11.
- Wind, Nathan, assignor to Hotel Radio Corporation, New York, N. Y. Coin-operated radio receiver or similar article. 149,600, May 11.
- Winker, Frederic C., and D. T. Beggs, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Luminaire. 150,745, Aug. 24.
- Winkler, Carl J.: *See*—Winkler, Herman E. and C. J.
- Winkler, Frederic C., and D. T. Beggs, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Combined heat and sun lamp. 149,993, June 15.
- Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Luminaire. 151,575, Oct. 26.
- Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Luminaire. 151,576, Oct. 26.
- Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Luminaire. 151,577, Oct. 26.
- Winkler, Herman E. and C. J., assignors to U. S. Machine Corporation, Lebanon, Ind. Space heater. 151,726, Nov. 9.
- Winslow, Samuel J., Providence, R. I. Round-the-neck mirror. 148,835, Feb. 24.
- Wirth-Gold Underwear Co., Inc., assignee: *See*—Roth, Alexander.
- Wirklich, Abraham, New York, N. Y. Handbag frame. 149,781, May 25.
- Wirklich, Abraham, New York, N. Y. Handbag frame. 149,782, May 25.
- Wise, Lambert A., Pittsburgh, Pa. Vehicle toy. 151,112, Sept. 21.
- Wisecarver, George B., Pikeville, Ky. Combination ash tray and desk unit. 152,234, Dec. 28.
- Wisting, George H., Los Angeles, and R. R. Conners, Jr., Beverly Hills, assignors to Scientific Heater Co., Inc., Los Angeles, Calif. Electric heater housing. 149,715, May 18.
- Witsenburg, Maartem, assignor to Lindex Distributors, Inc., New York, N. Y. Textile fabric. 148,668, Feb. 10.
- Wittaker, James C., Co., Inc., assignee: *See*—Jones, John E.
- Witte, Samuel A., assignor to Wittie Mfg. & Sales Co., Chicago, Ill. Oscillating electric fan type heater. 151,309, Oct. 5.
- Wittie Mfg. & Sales Co., assignee: *See*—Witte, Samuel A.
- Wohl, Harry, Chicago, assignor to Nicro Steel Products, Inc., Cook County, Ill. Vacuum coffee maker. 150,482, Aug. 3.
- Wolanske, Raymond, North Tonawanda, assignor to Hygrade Industries, Inc., Buffalo, N. Y. Cigarette lighter. 151,202, Sept. 28.
- Wolf, Jacob, Boston, Mass., assignor to Royal Jewelry Corporation. Brooch or similar article. 149,716, May 18.
- Wolf, Jacob, Boston, Mass., assignor to Royal Jewelry Corporation. Brooch or similar article. 149,717, May 18.
- Wolf, Leo, assignor to M. Wolf and S. S. Elgort, Chicago, Ill. Shelf. 149,239, Apr. 6.
- Wolf, Maurice, assignee, et al.: *See*—Wolf, Leo.
- Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 148,401, Jan. 13.
- Wolfe, Bernard J., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projector. 150,044, June 22.
- Wolfe, Chesley L., Richmond, Calif. Combined cabinet and douche tank. 151,667, Nov. 2.
- Wolfer, Herman, Trenton, N. J., and M. Harder, Morton, Pa. Picture projector. 150,914, Sept. 7.
- Wolff, Arthur J.: *See*—Meiller, William H., and W. D. and A. J. Wolff.
- Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Camera or similar article. 151,804, Nov. 16.
- Wolff, Saul K., Long Beach, N. Y. Wall shelf or similar article. 151,203, Sept. 28.
- Wolff, Willard D.: *See*—Meiller, William H., and W. D. and A. J. Wolff.
- Woller-Duff, Hilda, New York, N. Y. Glove. 149,101, Mar. 23.
- Woller-Duff, Hilda, New York, N. Y. Glove. 149,783, May 25.
- Wonder Orange Company, assignee: *See*—Howell, Clayton J.
- Wood, Carlos C.: *See*—Glasgow, Charles S., and Wood.
- Wood, John N., Media, Pa. Toilet roll receptacle. 151,023, Sept. 14.
- Woodall Industries Incorporated, assignee: *See*—Greig, James W.
- Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Interlocking poker chip. 149,533, May 4.
- World Games, Inc., assignee: *See*—Binder, Sam.
- Workman, Lawrence H.: *See*—Smith, Ralph E., and Workman.
- Wormeck, Herbert A.: *See*—Hess, Frederick P., and Wormeck.
- Wortman, Grant, Chicago, Ill. Tray. 149,326, Apr. 13.
- Wrazlowsky, Arno, New York, N. Y. Combined earring and barrette. 150,185, July 6.
- Wriede, Philip P., New York, and H. Pike, Brooklyn, N. Y. Iron stand. 151,668, Nov. 2.
- Wright-Clark, Georgine H., Rye, N. Y. Coaster. 150,103, June 29.
- Wright, Dell, Elgin, Ill. Parallel vise and clamp. 152,131, Dec. 14.
- Wright, Ira E., Kokomo, Ind., assignor of one-third to M. B. Ades, and one-third to L. Marks, Louisville, Ky. Lamp guard. 150,527, Aug. 10.
- Wright, Mary S., New York, N. Y. Combined jar and dispensing cover. 148,509, Jan. 27.
- Wrigley, Wm., Jr. Company, assignee: *See*—Babcock, George.
- Wurlitzer, Rudolph Company, The, assignee: *See*—Fuller, Paul M.
Zuck, Victor I.
- Wyatt, De Witt H., Columbus, Ohio. Heater. 148,341, Jan. 6.
- Wyatt, De Witt H., Columbus, Ohio. Heater. 148,342, Jan. 6.
- Wyer, Paul, Forest Hills, N. Y. Combination corkscrew and bottle opener. 148,345, Jan. 6.
- Wyman, Burton A., et al.: *See*—Winkler, Frederic C., and Wyman.
- Yaeger, Henry C., Ridgewood, N. J., assignor to Grand Products, Inc., New York, N. Y. Portable atomizer. 148,899, Mar. 2.
- Yaeger, Howard F., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle hood ornament or similar article. 149,601, May 11.

- Yaeger, Howard F., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle hood ornament or similar article. 151,310, Oct. 5.
- Yaeger, Paul, assignor to Valiant Appliances, Inc., New York, N. Y. Toaster. 151,113, Sept. 21.
- Yankee Metal Products Corp., assignee: *See*—Daon, Rene.
- Yantis, William A., assignor to Chase Candy Company, St. Joseph, Mo. Showcase. 148,767, Feb. 24.
- Yantis, William A., assignor to Chase Candy Company, St. Joseph, Mo. Showcase. 152,050, Dec. 7.
- Yee, Ching-Chih, assignor to Castleton China, Incorporated, New York, N. Y. Plate or the like. 148,510, Jan. 27.
- Yoakum, Ina, assignee: *See*—Van Leuven, Karl, Jr.
- Yost, Grace H., St. Louis County, Mo. Spectacle holder attachment for telephones. 149,602, May 11.
- Youhouse, Joseph, Fairfield, Conn. Rotor plane. 151,669, Nov. 2.
- Young, Arthur M., Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 150,186, July 6.
- Young, Arthur M., and M. H. Gleason, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 150,483, Aug. 3.
- Young, Arthur M., and M. H. Gleason, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 150,665, Aug. 17.
- Young, Donald R., assignor to Jiffy Jet, Inc., Minneapolis, Minn. Plaque or similar article. 150,282, July 13.
- Young, Hugh B., Denver, Colo., assignor to Tri-plex, Inc. Garment hanger. 149,327, Apr. 13.
- Young, J. C., assignee: *See*—King, Theodore T.
- Young, Richard E., Detroit, Mich. Alarm cabinet. 152,132, Dec. 14.
- Young, Roy, Wilmington, Calif. Corner chair. 148,511, Jan. 27.
- Younger, Dwen R., San Francisco, Calif. Airplane hangar. 150,187, July 6.
- Younger, Dwen R., San Francisco, Calif. Airplane hangar. 150,188, July 6.
- Younger, Dwen R., San Francisco, Calif. Airplane hangar. 151,114, Sept. 21.
- Youngstown Manufacturing Inc., assignee: *See*—Schuler, Fred G.
- Yuletide Bonus Stamp Company, assignee: *See*—Stayton, Ralph W.
- Yutang, Lin, New York, N. Y. Font of keyboard symbols. 148,970, Mar. 9.
- Zachary, Edwin J., Merced, Calif. Combination saucer and cream pitcher holder. 150,666, Aug. 17.
- Zahn, Carl J., Detroit, Mich. Combined cigarette container and lamp. 150,528, Aug. 10.
- Zaikner, Herman S., New York, N. Y. Refrigerator container or the like. 150,045, June 22.
- Zaremba, Chester S.: *See*—Jahn, Herbert, and Zaremba.
- Zborovszky, Andrew, Hamilton, Ontario, Canada, assignor to Brown & Mills, Inc., Providence, R. I. Brooch. 149,718, May 18.
- Zeiler, Henry, and A. H. Herter, Denver, Colo. Exhaust fan. 151,311, Oct. 5.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Teapot or the like. 148,900, Mar. 2.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Coffeepot or the like. 148,901, Mar. 2.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Bowl or the like. 149,719, May 18.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Baker. 149,720, May 18.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Platter. 149,721, May 18.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Casserole or the like. 149,722, May 18.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Jug. 149,723, May 18.
- Zeisel, Eva S., assignor to Castleton China, Incorporated, New York, N. Y. Creamer. 149,724, May 18.
- Zelle, William C., St. Louis, Mo. Pipe smoker's stand. 150,391, July 27.
- Zenith Radio Corporation, assignee: *See*—Budlong, Robert D.
- Zielinski, Stanley J.: *See*—Fossum, Erling G., and Zielinski.
- Ziemann, Harry J., Wauwatosa, Wis. Miter box. 151,727, Nov. 9.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 149,725, May 18.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Stirring apparatus. 151,312, Oct. 5.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Stirring apparatus. 151,313, Oct. 5.
- Zimmer, Raymond R., Chicago, and H. L. Snively, Oak Lawn, Ill., said Zimmer assignor to said Snively. Toy stationary engine. 150,484, Aug. 3.
- Zimmerman, Edward C.: *See*—Arenberg, Albert L., and Zimmerman.
- Zimmerman, Edward C., Winnetka, assignor to Zenith Camera Corporation, Chicago, Ill. Camera. 150,327, July 20.
- Zion, Bernard, New York, N. Y. Dial telephone lock. 150,819, Aug. 31.
- Zipser, Richard E., New York, N. Y. Child's combined food warmer and service plate. 151,115, Sept. 21.
- Ziskin, Manuel S., University Heights, assignor to Kromex Corporation, Cleveland, Ohio. Ice bucket. 151,863, Nov. 23.
- Zito, Vincent, New York, N. Y. Shirt or similar article. 152,051, Dec. 7.
- Zongker, Dean E., Wichita, Kans. Airplane. 149,994, June 15.
- Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ tone cabinet grille. 150,667, Aug. 17.
- Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ tone cabinet casing. 150,668, Aug. 17.
- Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ tone cabinet casing. 150,669, Aug. 17.
- Zuckerman, Samuel G., New York, N. Y. Deflector for infant's toilet seat. 148,512, Jan. 27.
- Zurlinden, Cyril P., Rocky River, Ohio. Hair trimmer. 150,189, July 6.
- Zwart, Joseph, Rockville Centre, N. Y. Combination hanging corner toilet tissue cabinet and utility holder. 152,052, Dec. 7.
- Zweig, Henry, Brooklyn, N. Y. Earring or similar article. 148,513, Jan. 27.

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LIST OF PLANT PATENTEES

- Armstrong Nurseries, Inc., assignee: *See—*
Swim, Herbert C.
- Bach, Joseph, Des Moines, Iowa. Ivy plant. 807, Sept. 21.
- Bantel, Gustav E., assignor to Frank L. Sieloff, St. Louis, Mo. Sansevieria plant. 796, Apr. 20.
- Benton, William A., and G. L. Smith, Wassaic, N. Y. English or persian walnut tree. 815, Dec. 14.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 789, Mar. 16.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 799, July 6.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 800, July 6.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 811, Nov. 30.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 812, Nov. 30.
- Bosley, Edith C., assignee: *See—*
Crane, Jasper E.
- Bridges, Everett R., administrator: *See—*
Rogers, Rowland S.
- Burkwood, Albert, Rotherfield, England, assignor to J. J. Grullemans. Viburnum hybrid plant. 776, Jan. 6.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 809, Oct. 26.
- Conard-Pyle Company, The, assignee: *See—*
Ketten, Charles.
Mordigan, Peter.
Van Barneveld, John H.
- Crane, Jasper E., Wilmington, Del., assignor to E. C. Bosley, Mentor, Ohio. Rose plant. 783, Feb. 3.
- Dénoyel, Marguerite, Venissieux, Lyon, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 781, Jan. 20.
- Francisco, Marshall E., Fresno, Calif. Apricot tree. 808, Oct. 12.
- Grillo, Nicholas, Milldale, Conn. Rose plant. 778, Jan. 6.
- Grullemans, John J., assignee: *See—*
Burkwood, Albert.
- Hamburg, Charles H., Whittier, Calif. Avocado tree. 816; Dec. 28.
- Hill, Joseph H., Company, assignee: *See—*
Byrum, Roy L.
- Hopkins, Lewis S., Canton, Mo. Peony variety. 804, July 27.
- Inter-State Nurseries, assignee: *See—*
Toms, Lawrence M.
- Jackson & Perkins Company, assignee: *See—*
Boerner, Eugene S.
Dénoyel, Marguerite.
Mallerin, Charles.
Prushek, Emil.
- Johnson, Matthew J., Thornhill, Ontario, Canada, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Strawberry plant. 780, Jan. 20.
- Johnson, Walter E., Reading, Mass. Rose plant. 777, Jan. 6.
- Jones, Oscar F., Crozet, Va., and W. C. Jones, Hagerstown, Md. Peach tree. 814, Dec. 14.
- Jones, Wilbur C.: *See—*
Jones, Oscar F. and W. C.
- Kellogg, De Ross, Milford, Conn., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Plum tree. 793, Mar. 23.
- Kellogg, R. M., Company, The, assignee: *See—*
Johnson, Matthew J.
Prushek, Emil.
- Ketten, Charles, deceased, Luxemburg, Luxemburg, M. Ketten, administratrix, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 774, Jan. 6.
- Ketten, Marguerite, administratrix: *See—*
Ketten, Charles.
- Krider Nurseries, Inc., assignee: *See—*
Watkins, Archibald F.
- La Pietra, Marino, West Los Angeles, Calif. Apple tree. 801, July 6.
- Mallerin, Charles, Varces, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 775, Jan. 6.
- Marsh, Edward E., Pasadena, Calif. Climbing rose plant. 797, May 4.
- Mordigan, Peter, San Fernando, Calif., assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 806, Sept. 21.
- Morris, Lillian A., administratrix: *See—*
Morris, Theodore J.
- Morris, Theodore J., deceased, by L. A. Morris, administratrix, assignor to Western Rose Co., Van Nuys, Calif. Rose plant. 785, Feb. 24.
- Mount Arbor Nurseries, assignee: *See—*
Swim, Herbert C.
- Prushek, Emil, Niles, Mich., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 790, Mar. 16.
- Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 802, July 6.
- Rogers, Rowland S., deceased, by E. R. Bridges, administrator, Bloomfield, Ind., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Apple tree. 794, Mar. 23.
- Sanderson, Chester A., Glendale, Ariz. Grapevine. 782, Jan. 20.
- Satterfield, Lawrence, deceased, by L. Satterfield, administratrix, Port Clinton, Ohio. Peach tree. 813, Dec. 7.
- Satterfield, Luella, administratrix: *See—*
Satterfield, Lawrence.
- Schmidt, Paul J., Youngstown, assignor to The Wayside Gardens Company, Mentor, Ohio. Buddleia plant. 786, Mar. 2.
- Sieloff, Frank L., assignee: *See—*
Bantel, Gustav E.
- Smith, Gilbert L.: *See—*
Benton, William A., and Smith.
- Smith, Henry F., Dover, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 803, July 27.
- Stark Bro's Nurseries and Orchards Company, assignee: *See—*
Kellogg, De Ross.
Rogers, Rowland S.
Smith, Henry F.
- Stoner, Russell L., near Dayton, Ohio. Peach tree. 798, May 11.
- Stryer, John F., Concordville, Pa. Japanese holly plant. 817, Dec. 28.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Nectarine plant. 787, Mar. 9.
- Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Mount Arbor Nurseries, Shenandoah, Iowa. Rose plant. 791, Mar. 16.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 792, Mar. 16.
- Symonds, Henry J., Decorah, Iowa. Carnation plant. 805, Aug. 24.
- Toms, Lawrence M., Nevada, assignor to Inter-State Nurseries, Hamburg, Iowa. Raspberry plant. 779, Jan. 13.
- Tuttle Bros., Nurseries, assignee: *See—*
Tuttle, Leslie A.
- Tuttle, Harvy E., assignee: *See—*
Tuttle, Leslie A.
- Tuttle, Leslie A., assignor to Tuttle Bros., Nurseries, Pasadena, Calif., a partnership composed of L. A. and H. E. Tuttle. Rose plant. 810, Nov. 2.
- Van Barneveld, John H., Puente, Calif., assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 788, Mar. 9.
- Watkins, Archibald F., Tyler, Tex., assignor to Krider Nurseries, Inc., Middlebury, Ind. Rose plant. 784, Feb. 10.
- Wayside Gardens Company, The, assignee: *See—*
Schmidt, Paul J.
- Western Rose Co., assignee: *See—*
Morris, Theodore J.
- Williams, Fred D., Porterville, Calif. Peach tree. 795, Mar. 23.



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LIST OF DISCLAIMERS

- Alkan, Robert, Paris, France. Disclaimer filed by the inventor. No. 2,259,600; disclaimer filed Oct. 6, 1948; v. 616; p. 7.
- Allen, Harold P., Mansfield, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,369,932; disclaimer filed Dec. 13, 1947; v. 606; p. 378.
- Arveson, Maurice H., Flossmoor, Ill. Disclaimer filed by the assignee, Standard Oil Company. No. 2,412,667; disclaimer filed Apr. 14, 1948; v. 610; p. 503.
- Backhouse, Headley T., St. John's Wood, London, England. Disclaimer filed by the inventor. No. 2,108,702; disclaimer filed Jan. 10, 1948; v. 607; p. 197.
- Barkeij, Jean A. H., Altadena, Calif. Disclaimer filed by the inventor. Re. No. 21,177; disclaimer filed July 30, 1948; v. 614; p. 28.
- Barkeij, Jean A. H., Altadena, Calif. Disclaimer filed by the inventor. No. 2,145,577; disclaimer filed Jan. 29, 1948; v. 610; p. 268.
- Barkeij, Jean A. H., Altadena, Calif. Disclaimer filed by the inventor; No. 2,173,081; disclaimer filed Jan. 26, 1948; v. 609; p. 474.
- Barkeij, Jean A. H., Altadena, Calif. Disclaimer filed by the inventor; No. 2,191,746; disclaimer filed Feb. 26, 1948; v. 609; p. 474.
- Bedford, Alda V., Collingswood, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,207,775; disclaimer filed Sept. 13, 1948; v. 615; p. 265.
- Bond, Varley Sherman, Quincy, Ill. Disclaimer filed by the assignee, Kalo Inoculant Company. No. 2,200,532; disclaimer filed July 27, 1948; v. 613; p. 1093.
- Brenkert, Karl, Detroit, Mich. Disclaimer filed by the assignee, American Pattern & Manufacturing Co. No. 2,194,585; disclaimer filed Oct. 21, 1948; v. 616; p. 566.
- Brooker, Leslie G. S., and Homer W. J. Cressman, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,317,357; disclaimer filed Jan. 17, 1948; v. 607; p. 582.
- Brooker, Leslie G. S., and William Waldo Williams, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,330,203; disclaimer filed Jan. 17, 1948; v. 607; p. 582.
- Brown, Leo C., Chicago, Ill. Disclaimer filed by the assignee, Industrial Patents Corporation. No. 2,393,744; disclaimer filed Jan. 12, 1948; v. 607; p. 376.
- Camras, Marvin, Chicago, Ill. Disclaimer filed by the assignee, Armour Research Foundation of Illinois Institute of Technology. No. 2,351,005; disclaimer filed Apr. 8, 1948; v. 610; p. 503.
- Camras, Marvin, Chicago, Ill. Disclaimer filed by the assignee, Armour Research Foundation of Illinois Institute of Technology. No. 2,412,318; disclaimer filed Mar. 19, 1948; v. 610; p. 17.
- Carlson, Vernon E., Canton, Ohio. (Two cases.) Disclaimers filed by the assignee, The Hoover Company. Nos. 2,202,983 and 2,291,689; disclaimers filed May 11 and May 22, 1948; v. 611; pp. 269 and 763.
- Case, Irvin L., Steubenville, Ohio. Disclaimer filed by the assignee, National Steel Corporation. No. 2,406,489; disclaimer filed Nov. 12, 1948; v. 617; p. 296.
- Cohen, Morris, Kansas City, Mo., and Duard W. Enoch, George Hasty, and Gerald A. Jorgenson, Chicago, Ill. Disclaimer filed by the assignee, Interstate Bakeries Corporation. No. 2,383,774; disclaimer filed Oct. 16, 1948; v. 616; p. 566.
- Crowley, John C., Cleveland Heights, Ohio. (Two cases.) Disclaimers filed by the assignee, The Dill Manufacturing Company. No. 2,272,965; disclaimers filed Oct. 16 and Nov. 5, 1948; v. 616; pp. 291 and 1120.
- D'Alleio, Gaetano F., Pittsfield, Mass. Disclaimer filed by the assignee, General Electric Company. No. 2,352,944; disclaimer filed May 12, 1948; v. 611; p. 539.
- D'Alleio, Gaetano F., Northampton, Mass. (Two cases.) Disclaimers filed by the assignee, Pro-phy-lac-tic Brush Company. No. 2,403,213; disclaimers filed Dec. 10, 1947, and Jan. 23, 1948; v. 606; p. 202; and v. 608; p. 11.
- Esselen, Gustavus J., Swampscott, Mass. Disclaimer filed by the inventor. Re. No. 22,978; disclaimer filed Apr. 6, 1948; v. 610; p. 270.
- Ferris, Donald K., Dayton, Ohio. Disclaimer filed by the inventor; the assignee, General Motors Corporation, consenting and affirming. No. 2,406,494; disclaimer filed Sept. 29, 1948; v. 616; p. 291.
- Fitch, William A., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,423,304; disclaimer filed Sept. 1, 1948; v. 615; p. 7.
- Flindt, Charles L., San Jose, Calif. Disclaimer filed by the patentee. No. 2,434,739; disclaimer filed Oct. 25, 1948; v. 616; p. 1120.
- Fonken, Martin E., Beloit, Wis. Disclaimer filed by the assignee, Interstate Bakeries Corporation. Re. No. 22,399; disclaimer filed Oct. 16, 1948; v. 616; p. 566.
- Frank, William H., and Joseph W. Harper, Detroit, Mich. Disclaimer filed by the assignee, Bulldog Electric Products Company. No. 2,251,404; disclaimer filed Jan. 15, 1948; v. 607; p. 376.
- Frank, William H., and Joseph A. Messing, Detroit, Mich. Disclaimer filed by the assignee, Bulldog Electric Products Company; No. 2,285,770; disclaimer filed Jan. 15, 1948; v. 607; p. 376.
- Fregeolle, Oscar, Central Falls, R. I. Disclaimer filed by the assignee, Hemphill Company. No. 2,400,636; disclaimer filed Feb. 13, 1948; v. 608; p. 649.
- Froelich, Gustave H., Torrington, Conn. Disclaimer filed by the assignee, The Turner & Seymour Manufacturing Co. No. 2,329,463; disclaimer filed Oct. 5, 1948; v. 616; p. 7.
- Garner, Robert V., Westwood, Mass. Disclaimer filed by the assignee, Bird & Son, Inc. No. 2,432,987; disclaimer filed Nov. 10, 1948; v. 617; p. 296.
- Gignoux, Ralph E., Bakersfield, Calif. Disclaimer filed by the inventor; the assignee, Vickers Incorporated, assenting. No. 2,414,197; disclaimer filed Aug. 18, 1948; v. 614; p. 301.
- Grondal, Bror J., Watertown, and Harry Morley Wyld, Swampscott, Mass. Disclaimer filed by the assignee, Lever Brothers Company. No. 2,300,416; disclaimer filed Mar. 9, 1948; v. 609; p. 474.
- Haef, Andrew V., Washington, D. C. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,398,499; disclaimer filed Mar. 9, 1948; v. 609; p. 13.
- Haef, Andrew V., East Orange, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,399,223; disclaimer filed Mar. 9, 1948; v. 609; p. 13.
- Hall, Ralph E., Mount Lebanon, Pa. (Two cases.) Disclaimers filed by the assignee, Hall Laboratories, Inc. Re. No. 19,719 and No. 2,035,652; disclaimers filed Sept. 10, 1948; v. 615; p. 265.
- Hallstream, Henning, Braintree, Mass. Disclaimer filed by the assignee, Dexter Folder Company. No. 2,144,057; disclaimer filed Dec. 24, 1947; v. 606; p. 378.
- Harmon, Kenneth A., Longmeadow, Mass. Disclaimer filed by the assignee, Wico Electric Company. No. 2,101,392; disclaimer filed Apr. 22, 1948; v. 610; p. 503.
- Harth, Phillip E., St. Louis, Mo. Disclaimer filed by the inventor and the assignee, National Lead Company. No. 1,991,637; disclaimer filed Apr. 7, 1948; v. 610; p. 269.
- Healy, Emmett, Janesville, Wis. Disclaimer filed by the assignee, The Parker Pen Company. No. 2,404,063; disclaimer filed Dec. 30, 1947; v. 607; p. 21.
- Hickman, Kenneth C. D., and Edmond S. Perry, Rochester, N. Y. Disclaimer filed by the assignee, Distillation Products, Inc. No. 2,403,978; disclaimer filed Nov. 12, 1947; v. 606; p. 9.
- Jenkins, John D., Milwaukee, Wis. Disclaimer filed by the assignee, Pittsburgh Plate Glass Company. Re. No. 22,812; disclaimer filed Mar. 15, 1948; v. 609; p. 255.
- Jennings, Andrew B., New Brunswick, N. J. Disclaimer filed by the inventor; the assignee, E. I. du Pont de Nemours and Company, assenting. No. 2,395,484; disclaimer filed Dec. 30, 1947; v. 606; p. 527.
- Jewell, Joseph W., Summit, N. J. Disclaimer filed by the assignee, The M. W. Kellogg Company. No. 2,304,827; disclaimer filed Dec. 18, 1947; v. 607; p. 376.
- Johnson, Ellsworth T., Moline, Ill. Disclaimer filed by the assignee, Deere & Company. No. 2,410,503; disclaimer filed Nov. 19, 1947; v. 606; p. 9.
- Jones, Ralph E., Grand Rapids, Mich. Disclaimer filed by the inventor. No. 2,228,768; disclaimer filed Feb. 21, 1948; v. 608; p. 831.
- Kitto, William H., Canton, Ohio. Disclaimer filed by the assignee, The Hoover Company. Re. No. 22,077; disclaimer filed May 11, 1948; v. 611; p. 269.
- Klocke, William, Woodhaven, N. Y. Disclaimer filed by the inventor. No. 2,404,181; disclaimer filed Feb. 17, 1948; v. 608; p. 649.
- La Lande, William A., Jr., Upper Darby, Pa. Disclaimer filed by the assignee, Porcel Corporation. No. 2,413,185; disclaimer filed Mar. 24, 1948; v. 609; p. 474.
- Latchford, William B., Rochester, and Lynn C. Holmes, Fairport, N. Y. Disclaimer filed by the assignee, Stromberg-Carlson Company. No. 2,413,108; disclaimer filed July 23, 1948; v. 613; p. 1093.
- Light, George G., Kew Gardens, N. Y. Disclaimer filed by the assignee, The Western Union Telegraph Company. No. 2,346,173; disclaimer filed Mar. 11, 1948; v. 609; p. 255.
- Lloyd, Charles William, Brooklyn, N. Y. Disclaimer filed by the assignee, Dispensers Inc. No. 2,408,664; disclaimer filed Oct. 23, 1948; v. 616; p. 1120.

- Lyman, Joseph, Huntington, and Elwood Norden, Pelham, N. Y. Disclaimer filed by the assignee, Sperry Gyroscope Company, Inc. No. 2,346,693; disclaimer filed Dec. 9, 1947; v. 606; p. 202.
- Maitlen, Harry D., Long Beach, Calif. Disclaimer filed by the assignee, Maitlen & Benson, Inc. No. 2,429,581; disclaimer filed Dec. 8, 1947; v. 606; p. 9.
- Mason, Warren P., West Orange, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,379,818; disclaimer filed Sept. 8, 1948; v. 615; p. 265.
- Matuszak, Maryan P., Bartlesville, Okla. Disclaimer filed by the assignee, Phillips Petroleum Company. No. 2,379,368; disclaimer filed July 19, 1948; v. 613; p. 502.
- Mayo, Edward Levy, Cleveland, Ohio. Disclaimer filed by the assignee, The Bishop & Babcock Manufacturing Company. No. 2,322,041; disclaimer filed May 26, 1948; v. 613; p. 502.
- McAdam, Harry H., Los Angeles, Calif. Disclaimer filed by the assignee, Refrigeration Engineering, Inc.; the inventor, joining, assenting, and acquiescing. No. 2,219,393; disclaimer filed Aug. 14, 1948; v. 614; p. 29.
- McCoy, Howard M., Fairfield, Ohio. Disclaimer filed by the inventor. No. 2,389,161; disclaimer filed July 12, 1948; v. 613; p. 253.
- Miller, William A., Port Jefferson Station, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,402,917; disclaimer filed June 2, 1948; v. 613; p. 20.
- Muller, Robert L., Detroit, Mich. Disclaimer filed by the assignee, Burroughs Adding Machine Company. No. 2,288,916; disclaimer filed June 12, 1948; v. 612; p. 14.
- Nikitin, Alexander A., Copperhill, Tenn. (Two cases.) Disclaimers filed by the assignee, Tennessee Copper Company. Nos. 2,414,660, and 2,414,661; disclaimers filed Mar. 29, 1948; v. 610; p. 17.
- Norden, Elwood, Pelham, and Arthur R. Weckel, Freeport, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,332,523; disclaimer filed Mar. 18, 1948; v. 609; p. 474.
- Norway, Harold L., Evanston, Ill. Disclaimer filed by the assignee, The Bastian-Blessing Company. No. 2,400,569; disclaimer filed Dec. 11, 1947; v. 606; p. 9.
- Osborne, Carl W., Muncie, Ind. Disclaimer filed by the assignee, Borg-Warner Corporation. No. 2,328,291; disclaimer filed Nov. 4, 1948; v. 617; p. 296.
- Ostline, John Ellis, Chicago, Ill. Disclaimer filed by the assignee, Automatic Electric Laboratories, Inc.; the inventor consenting. No. 2,297,365; disclaimer filed Oct. 27, 1948; v. 616; p. 1120.
- Pennington, Gordon R., Cleveland Heights, Ohio. Disclaimer filed by the assignee, Pennington Engineering Company. No. 2,009,677; disclaimer filed Jan. 26, 1948; v. 607; p. 582.
- Petry, Theodor, Wenonah, and Grady L. Payne, Clarksboro, N. J. Disclaimer filed by the assignee, Socony-Vacuum Oil Company. No. 2,411,106; disclaimer filed July 23, 1948; v. 613; p. 503.
- Poupitch, Ougliesa Jules, Chicago, Ill. Disclaimer filed by the assignee, Illinois Tool Works. No. 2,401,184; disclaimer filed Feb. 28, 1948; v. 608; p. 831.
- Rasmussen, Harvey W., Bloomington, Ill. Disclaimer filed by the inventor; the assignee, Eureka Williams Corporation, consenting. No. 2,427,622; disclaimer filed Sept. 24, 1948; v. 615; p. 810.
- Rees, Gregory L., La Grange, Ill. Disclaimer filed by the assignee, Hotpoint Inc. No. 2,168,172; disclaimer filed Sept. 25, 1948; v. 615; p. 810.
- Reid, Ralph A., Beverly, Mass. Disclaimer filed by the assignee, General Electric Company. No. 2,339,111; disclaimer filed Nov. 6, 1948; v. 617; p. 296.
- Riche, Arthur L., Freeport, Ill. Disclaimer filed by the assignee, Automatic Pump & Softener Corporation and Lee G. Daniels. No. 2,047,131; disclaimer filed Aug. 23, 1948; v. 614; p. 301.
- Rogers, George L., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,276,796; disclaimer filed Feb. 27, 1948; v. 608; p. 831.
- Samuel, Arthur L., Summit, N. J. (Two cases.) Disclaimers filed by the assignee, Bell Telephone Laboratories, Incorporated. Nos. 2,405,611 and 2,403,025; disclaimers filed Feb. 21 and Sept. 24, 1948; v. 608; p. 831; and v. 615; p. 810.
- Schroeder, Alfred C., Peaserville, Pa. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,406,165; disclaimer filed Oct. 29, 1948; v. 617; p. 8.
- Sharp, Paul R., Piedmont, Calif. Disclaimer filed by the assignee, Golden State Company, Ltd. No. 2,412,635; disclaimer filed July 14, 1948; v. 613; p. 503.
- Shoemaker, Malcolm G., Abington, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,325,804; disclaimer filed June 12, 1948; v. 613; p. 502.
- Side, Frederick W., Philadelphia, Pa. Disclaimer filed by the assignee, The Brown Instrument Company. No. 2,423,524; disclaimer filed Nov. 12, 1948; v. 617; p. 296.
- Smidh, Leonard, New York, N. Y. Disclaimer filed by the patentee. No. 2,376,200; disclaimer filed Aug. 20, 1948; v. 614; p. 301.
- Stephan, Ingo L., Delanco, N. J. Disclaimer filed by the assignee, Philco Corporation. No. 2,409,321; disclaimer filed Dec. 10, 1947; v. 606; p. 202.
- Tautz, Herbert E., Milwaukee, Wis. Disclaimer filed by the assignee, Rockwell Manufacturing Company. No. 1,938,548; disclaimer filed Mar. 18, 1948; v. 609; p. 474.
- Taylor, Charles H., Springfield, Mass. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,409,230; disclaimer filed Dec. 23, 1947; v. 607; p. 21.
- Taylor, Ross E., Detroit, Mich. Disclaimer filed by the assignee, Packard Motor Car Company. No. 2,432,699; disclaimer filed Apr. 14, 1948; v. 610; p. 503.
- Tiley, John W., Philadelphia, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,422,146; disclaimer filed Jan. 9, 1948; v. 607; p. 197.
- Torley, Robert E., Greenwich, Conn. Disclaimer filed by the assignee, American Cyanamid Company. No. 2,368,601; disclaimer filed June 1, 1948; v. 611; p. 1018.
- Upham, John D., Bartlesville, Okla. Disclaimer filed by the assignee, Phillips Petroleum Company. No. 2,374,511; disclaimer filed Apr. 26, 1948; v. 610; p. 774.
- Upson, Walter L., University City, Mo. (Two cases.) Disclaimers filed by the assignee, The Torrington Manufacturing Company; the inventor consenting. Nos. 2,021,707 and 2,072,322; disclaimers filed Feb. 5, 1948; v. 608; p. 11.
- Vonnegut, Anton, Indianapolis, Ind. Disclaimer filed by the assignee, Vonnegut Moulder Corporation. No. 2,410,536; disclaimer filed Oct. 11, 1948; v. 616; p. 291.
- Wait, George T., Chicago, Ill. Disclaimer filed by the assignee, Stewart-Warner Corporation. No. 2,410,537; disclaimer filed July 8, 1948; v. 613; p. 502.
- Weaver, Virgil L., Greenwood, Mass. Disclaimer filed by the assignee, General Electric Company. No. 2,419,100; disclaimer filed June 24, 1948; v. 613; p. 253.
- Wheeler, Harold A., Great Neck, N. Y. Disclaimer filed by the inventor; the assignee, Hazeltine Research, Inc., assenting. No. 2,421,137; disclaimer filed Sept. 25, 1948; v. 615; p. 810.
- Wilkinson, William J., Eastchester, N. Y. Disclaimer filed by the inventor and the assignee, Miehle Printing Press and Manufacturing Company. No. 2,155,458; disclaimer filed July 29, 1948; v. 613; p. 1093.
- Wintritz, George, Staten Island, N. Y. Disclaimer filed by the assignee, Conmar Products Corporation. No. 2,302,084; disclaimer filed Dec. 5, 1947; v. 606; p. 9.
- Wintritz, George, Staten Island, N. Y., and Frederick Ulrich, Bayonne, N. J. Disclaimer filed by the assignee, Conmar Products Corporation. No. 2,167,259; disclaimer filed Dec. 5, 1947; v. 606; p. 9.
- Woolsey, Theodore A., Pasadena, Calif. Disclaimer filed by the inventor; the assignee, Marman Products Company, Inc., assenting. No. 2,426,423; disclaimer filed Jan. 23, 1948; v. 608; p. 11.
- Woolslayer, Homer J., Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla. Disclaimer filed by the assignee, Lee C. Moore Corporation. No. 2,271,578; disclaimer filed Dec. 17, 1947; v. 606; p. 202.
- Wurth, Walter A., Cranford, N. J. Disclaimer filed by the assignee, Standard Oil Development Company. No. 2,383,636; disclaimer filed Aug. 11, 1948; v. 614; p. 29.
- Young, Don H., Valley Stream, N. Y. Disclaimer filed by the assignee, Dictograph Products Company, Inc. No. 2,393,354; disclaimer filed May 5, 1948; v. 611; p. 269.
- Zimmerman, Gordon B., Western Springs, Ill. Disclaimer filed by the assignee, Universal Oil Products Company. No. 2,404,340; disclaimer filed Apr. 12, 1948; v. 610; p. 270.

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LIST OF INVENTIONS

This list includes reissue inventions.

- Abdominal and garter support. H. G. Hill. 2,446,590, Aug. 10.
- Abdominal support. J. Cidissen. 2,449,641, Sept. 21.
- Abrader, Hand-operated. A. N. Hanna. 2,457,466, Dec. 28.
- Abrader, Recurrent motion. R. T. Osman. 2,441,506, May 11.
- Abrading apparatus. J. R. Turner. 2,441,108, May 4.
- Abrading device. H. E. Goldie. 2,450,473, Oct. 5.
- Abrading element. E. W. Hall. 2,450,792-3, Oct. 5.
- Abrading elements, Manufacture of. F. H. Ogden. 2,450,859, Oct. 5.
- Abrading machine. T. G. Custin and R. G. Stoneman. 2,438,543, Mar. 30.
- Abrading machine. W. De Young and E. C. Weathered. 2,437,245, Mar. 9.
- Abrading tool. L. H. Palmer. 2,437,650, Mar. 9.
- Abrasion-resistant polymers and preparing same. E. H. Kroeker and W. J. Croxall. 2,444,655, July 6.
- Abrasive article and making. F. A. Upper. 2,457,012, Dec. 21.
- Abrasive article and manufacture. W. A. Felker. 2,434,314, Jan. 13.
- Abrasive article, Resin bonded. R. H. Rushmer and G. J. Goepfert. 2,440,300, Apr. 27.
- Abrasive articles, Making. H. E. Hall. 2,443,315, June 15.
- Abrasive blast table. C. M. Gossard. 2,454,158, Nov. 16.
- Abrasive cleaning system. G. D. Dill. 2,434,881, Jan. 20.
- Abrasive cutoff machine. R. B. Pealer. 2,435,156, Jan. 27.
- Abrasive device, Internal. M. C. Hutto. 2,434,801, Jan. 20.
- Abrasive disc holder. G. A. Olsen. 2,439,751, Apr. 13.
- Abrasive machine. H. S. Indge. 2,450,237, Sept. 28.
- Abrasive materials and manufacturing the same. C. L. Norton, Jr. 2,441,534, May 11.
- Abrasive pneumatic finishing machine. A. W. Tell. 2,451,049, Oct. 12.
- Abrasive products. N. P. Robie. 2,452,793, Nov. 2.
- Abrasive products, Manufacture of. J. N. Kuzmick and D. Bell. 2,448,985, Sept. 7.
- Abrasive sheet holder. O. Ottoson. 2,434,581, Jan. 13.
- Abrasive tool. A. E. Gerriets and H. E. Gygi. 2,447,327, Aug. 17.
- Abrasive tool. E. D. Teague. 2,434,749, Jan. 20.
- Abrasive tool. M. G. Williams, Jr., and A. Dahl. 2,457,076, Dec. 21.
- Abrasive wheel. L. H. Metzger and V. J. Fantozzi. 2,451,295, Oct. 12.
- Abrasive wheel casing. A. E. Tobey. 2,436,621, Feb. 24.
- Abrasive wheel with flexible resilient rim. M. E. Landau. 2,451,753, Oct. 19.
- Absolute pressure gauge. A. C. Allen. 2,437,371, Mar. 9.
- Absorber for clarinets and the like, Water. G. Incampo. 2,457,473, Dec. 28.
- Absorber for firearms, Recoil. H. E. Oppold. 2,455,438, Dec. 7.
- Absorber, Pulsation. J. A. Pellettera. 2,448,118, Aug. 31.
- Absorber, Recoil. R. S. Sanford and A. Kurth. 2,439,105, Apr. 6.
- Absorption of ammonia in soda ash production. J. R. Taylor. 2,446,442, Aug. 3.
- Absorption refrigeration apparatus. A. Flukes and J. T. Smith. 2,446,988, Aug. 10.
- Absorption refrigeration system including condenser pressure control means. W. W. Williams. 2,437,577, Mar. 9.
- Absorptive headwear pad. E. S. Clark. 2,445,209, July 13.
- Acceleration pickup. A. E. McPherson. 2,435,231, Feb. 3.
- Accelerator of vulcanization. M. W. Harman. 2,441,223, May 11.
- Accelerator with small X-ray source, Magnetic induction. D. W. Kerst and R. Serber. 2,447,255, Aug. 17.
- Accelerometer. C. M. Hathaway. 2,440,605, Apr. 27.
- Accelerometer. H. E. Webber. 2,455,394, Dec. 7.
- Accelerometer with electric strain wires. L. D. Statham. 2,453,548, Nov. 9.
- Accessory drive. V. E. Matulaitis, F. W. Edwards, and H. R. Voorhees. 2,447,130, Aug. 17.
- Accessory drive control. C. H. Havill. 2,437,954, Mar. 16.
- Accessory, Toilet seat. R. R. Sacia. 2,434,889, Jan. 20.
- Accordion with amplifier attachment. E. D. Teikowski. 2,439,551, Apr. 13.
- Accounting board. J. H. Jones. 2,435,684, Feb. 10.
- Accounting machine. R. A. Christian, J. R. Ganger, and W. L. Paden. 2,450,121, Sept. 28.
- Accounting machine. W. Leathers and J. Haddad. 2,434,500, Jan. 13.
- Accounting machine and typewriter, Combined. A. J. Moellenbeck and H. G. Stauffer. 2,451,631, Oct. 19.
- Accounting machine, Record controlled. T. J. Watson, H. S. Beattie, and F. L. Fuller. 2,438,081, Mar. 16.
- Accumulator. A. Berger. 2,450,031, Sept. 28.
- Accumulator injection apparatus. D. E. Meitzler. 2,434,329, Jan. 13.
- Accumulator meter. J. E. Hagdahl. 2,455,056, Nov. 30.
- Accumulator, Piston type. B. N. Ashton. 2,440,065, Apr. 20.
- Accumulator starting valve. K. C. Cooper. 2,441,186, May 11.
- Acenaphthenedione as parasiticide preparations. E. C. Ladd. 2,435,501, Feb. 3.
- Acetal bodies from polyhydric alcohols, Preparation of. W. J. Croxall and H. T. Neher. 2,447,975, Aug. 24.
- Acetals and mercaptals of aldehydes having two vicinal mercapto groups and their self-condensation polymers and preparing same. A. A. Pavlic. 2,444,525, July 6.
- Acetals, Production of. O. W. Cass. 2,433,890, Jan. 6.
- Acetals, Production of. H. Heinemann. 2,451,949, Oct. 19.
- Acetaldehyde from aldol by hydrocarbon vapors, Stripping of. H. B. Smith. 2,452,797, Nov. 2.
- Acetaldehyde from gaseous mixtures containing the same, Recovery of. K. H. W. Tuerck and E. H. Brittain. 2,442,942, June 8.
- Acetamidyl derivatives of amino-quinolines, Disubstituted. W. F. Bruce. 2,456,911, Dec. 21.
- Acetate, Insolubilizing hydrolyzed polyvinyl. T. S. Carswell. 2,441,470, May 11.
- Acetate, Stabilized cellulose. W. J. Simpson and D. Finlayson. 2,454,950, Nov. 30.
- Acetone-chloroform, Preparing. E. Bergmann. 2,446,453, Aug. 3.
- Acetone, ethanol, and butanol, from aqueous solutions thereof, Distillation of. H. N. Darlington and H. Holdsworth. 2,454,734, Nov. 23.
- Acetophenone, Production of. W. S. Emerson and V. E. Lucas. 2,444,816, July 6.
- Acetylating tri-ethyl citrate. C. H. Fisher and M. L. Fein. 2,445,911, July 27.
- Acetylbutyrolactone, Preparation of. W. L. Johnson. 2,443,827, June 22.
- Acetylene and potassium hydroxide, Reacting. D. F. Herman. 2,455,058, Nov. 30.
- Acetylene from diolefin-containing mixtures, Removal of. E. V. Fasce and W. H. Wood. 2,451,327, Oct. 12.
- Acetylene generator. G. L. Hill. 2,456,278, Dec. 14.
- Acetylene generator. C. F. Smith. 2,436,674, Feb. 24.
- Acetylene removal process. T. F. Doumani and D. A. Skinner. 2,441,400, May 11.
- Acetylene tetrachloride, Production of. A. H. Maude. 2,444,661, July 6.
- Acetylene tetramethacrylate and polymers thereof. J. O. White. 2,456,759, Dec. 21.
- Acetylene torch cutter support. H. M. Talley. 2,440,527, Apr. 27.
- Acid activated montmorillonite catalyst and preparation thereof, Ammoniated. W. W. Gary and R. B. Secor. 2,449,891, Sept. 21.
- Acid alkyl sulphates, Preparation of. L. Bert and M. Procoff. 2,441,865, May 18.
- Acid chloride-fluoride bath for nickel plating. A. H. Du Rose. 2,436,690, Feb. 24.
- Acid chromable monoazo dyestuffs and a process of making same. A. Kresser and W. Kuster. 2,449,130, Sept. 14.
- Acid components from organic liquids, Removing. J. C. D. Oosterhout. 2,439,670, Apr. 13.
- Acid derivatives and the manufacture of same, Bile. F. Bergel, A. L. Morrison, A. R. Moss, M. Königstein, and H. Rinderknecht. 2,456,363, Dec. 14.
- Acid derivatives, Dithio. A. F. Hardman. 2,448,714, Sept. 7.
- Acid esters and their preparation, Aspartic. K. L. Lynch. 2,438,091, Mar. 16.
- Acid esters of petroleum phenols, Phosphorus. L. A. Mikeska. 2,450,903, Oct. 12.
- Acid, Preparation of cholic. R. H. Sifferd. 2,438,232, Mar. 23.
- Acid, Producing citric. J. Szucs. 2,438,136, Mar. 23.
- Acid, Production of itaconic. J. A. Ambler and A. L. Curl. 2,448,506, Sept. 7.
- Acid, Production of itaconic. E. J. Roberts, J. A. Ambler, and A. L. Curl. 2,448,831, Sept. 7.
- Acid, Production of vanillic. I. A. Pearl. 2,441,839, May 18.
- Acid recovery process. J. H. A. P. L. Van der Valk and J. D. Ruys. 2,441,521, May 11.

- Acid stabilized light-sensitive diazotype coating. S. C. Slifkin. 2,442,061, May 25.
- Acid synthesis, Organic. W. F. Gresham and R. E. Brooks. 2,448,368, Aug. 31.
- Acid tars, Treatment of. R. J. Miller. 2,449,404, Sept. 14.
- Acid-treating of catalytically cracked naphtha. A. F. Kaulakis. 2,438,445, Mar. 23.
- Acid treatment of anthraquinone-thiazole vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,453,410, Nov. 9.
- Acid treatment of pyrene-quinone vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,454,433, Nov. 23.
- Acidic sulfur compounds from hydrocarbon distillates, Removing. D. C. Bond and N. B. Russell. 2,447,051, Aug. 17.
- Acids and esters, Refining unsaturated. R. H. Huff. 2,434,699, Jan. 20.
- Acids from cottonseed foots, Fatty. H. K. McClain. 2,435,456, Feb. 3.
- Acids from lactones, Preparation of substituted. T. L. Gresham. 2,449,987, Sept. 28.
- Acids, Isolating low-methoxyl pectinic. R. M. McCready, H. S. Owens, and W. D. Maclay. 2,448,818, Sept. 7.
- Acids, Manufacture of hydroxy. K. H. W. Tuerck and H. J. Lichtenstein. 2,437,410, Mar. 9.
- Acoustic device. E. Bruce. 2,457,527, Dec. 28.
- Acoustic device. H. Horne. 2,439,736, Apr. 13.
- Acoustic device. E. C. Wente. 2,442,791, June 8.
- Acoustic structure. H. Benioff. 2,444,911, July 13.
- Acoustical structure. A. D. Park and N. A. Johnson. 2,450,911, Oct. 12.
- Acrolein and ethylene by pyrolysis of dihydropyran. J. G. M. Bremner and D. G. Jones. 2,451,712, Oct. 19.
- Acrolein to acrylic acid, Oxidation of. H. P. Staudinger and K. H. W. Tuerck. Re. 2,33,001, May 18.
- Acrylates, Preparation of. W. F. Gresham. 2,457,225, Dec. 28.
- Acrylic ester polymers, Treatment of. S. T. Semegen. 2,451,177-8, Oct. 12.
- Acrylic esters of olefinic alcohols and polymers thereof and making them. C. E. Rehberg and C. H. Fisher. 2,456,647, Dec. 21.
- Acrylic esters of secondary alcohols. C. E. Rehberg and C. H. Fisher. 2,445,925, July 27.
- Acrylonitrile and drying oil acids and esters, Addition products of. H. A. Bruson and W. D. Niederhauser. 2,440,140, Apr. 20.
- Acrylonitrile from acetylene and HCN, Manufacture of. R. T. Foster. 2,442,040, May 25.
- Acrylonitrile from hydrocarbons and HCN, Preparation of. F. Porter and G. A. Nesty. 2,445,693, July 20.
- Acrylonitrile process. H. W. Arnold. 2,456,360, Dec. 14.
- Acrylonitrile, Production of. H. S. Davis and E. L. Carpenter. 2,452,554, Nov. 2.
- Acrylonitrile, Production of. H. S. Davis and H. A. Newey. 2,454,308, Nov. 23.
- Activating and electroplating stainless steel. W. M. Tucker. 2,437,409, Mar. 9.
- Activation of anion exchangers in sugar purification. W. A. Blann. 2,451,272, Oct. 12.
- Activation of catalyst. A. B. Welty, Jr., and C. H. Holder. 2,456,351, Dec. 14.
- Activation of clay. J. J. Owen. 2,438,451, Mar. 23.
- Activation of petroleum adsorbents. T. P. Simpson, J. W. Payne, and P. D. Valas. 2,449,016, Sept. 7.
- Active material for alkaline cells and preparing same. R. Roberts. 2,448,052, Aug. 31.
- Actuating apparatus, Longitudinal. R. C. Marholz. 2,449,855, Sept. 21.
- Actuating device, Fluid pressure operated. M. V. Groves. 2,451,334, Oct. 12.
- Actuating means for colorimetric apparatus. W. F. Peck, K. W. Harper, and R. S. Estey. 2,437,550, Mar. 9.
- Actuating mechanism. T. J. R. Bright. 2,435,339, Feb. 3.
- Actuating mechanism for refrigerator tops or the like. J. B. Parsons. 2,456,429, Dec. 14.
- Actuating valve with opposed unequal areas. H. S. Phelan. 2,453,812, Nov. 16.
- Actuator. R. R. Jenner. 2,444,257, June 29.
- Actuator and control assembly for retractable landing gears. R. M. Nardone. 2,451,109, Oct. 12.
- Actuator assembly for brake mechanism. M. B. Morgan. 2,435,977, Feb. 17.
- Actuator, Fluid pressure controlled. A. J. Bent. 2,452,176, Oct. 26.
- Actuator, Revolution counter. J. L. Moody. 2,453,926, Nov. 16.
- Acyl glycine amides. H. Martin and H. Gysin. 2,447,587, Aug. 24.
- Acyl thiocarbamo sulfenamides as new chemicals. P. T. Paul. 2,441,032, May 4.
- Acylamino dianthrilmide acridones, Producing. M. Scalera and A. W. Joyce. 2,449,011, Sept. 7.
- Acylanilides, Preparation of substituted. R. C. Clapp and J. Krapcho. 2,447,998, Aug. 24.
- Acylated p-aminobenzene sulfonamides. R. Hirt, H. Gysin, and H. Martin. 2,457,371, Dec. 28.
- Acylation of halogen substituted sulfonacids and salts. D. F. Holloway and K. H. Spitzmueller. 2,441,816, May 18.
- Acylhydrazino amino derivatives. G. F. D'Alleio and J. W. Underwood. 2,435,203, Feb. 3.
- Adapter and narrow die for stretching presses, Balanced. E. M. Welser. 2,440,529, Apr. 27.
- Adapter attachment for indicator dials. J. F. Lively. 2,455,592, Dec. 7.
- Adapter for mortars, Range. B. Walker. 2,451,524, Oct. 19.
- Adapter for spot welding machines. E. Crabtree. 2,449,455, Sept. 14.
- Adapter, Hone. J. J. Palotsee. 2,450,294, Sept. 28.
- Adapter, Magnetic chuck. A. B. Luther. 2,442,136, May 25.
- Adding and comparing machine, Record controlled. A. H. Dickinson. 2,434,487, Jan. 13.
- Adding heat in the regeneration of catalyst for the conversion of hydrocarbons. E. J. Gohr. 2,445,351, July 20.
- Adding machine. B. Cooper. 2,436,790, Mar. 2.
- Adding machine for computing bearing angles. J. G. Swigart. 2,443,750, June 22.
- Addition compounds of pyridine derivatives and preparing same. E. A. H. Friedheim and S. Soloway. 2,455,924, Dec. 14.
- Addition products from acrylic esters. H. A. Bruson and W. D. Niederhauser. 2,452,029, Oct. 26.
- Addition products of acrylonitrile and aryl sulfones and preparing same. H. A. Bruson. 2,435,552, Feb. 3.
- Additives for silicone oils. H. R. Baker and W. A. Zisman. 2,447,483, Aug. 24.
- Additives for synthetic lubricants, Anticorrosion. W. A. Zisman and H. R. Baker. 2,434,978, Jan. 27.
- Adherence of aluminum coatings, Improving the. K. Oganowski. 2,437,919, Mar. 16.
- Adhesion of bituminous materials to mineral aggregate, Increasing. J. M. Johnson. 2,438,318, Mar. 23.
- Adhesive and joining elements therewith. G. E. Guellich. 2,455,118, Nov. 30.
- Adhesive and making. C. L. Baker and R. H. Sams. 2,457,108, Dec. 28.
- Adhesive and making the same. H. F. Noakes and J. R. Martyn. 2,436,596, Feb. 24.
- Adhesive cement compositions. A. M. Neal and J. J. Verbanc. 2,436,222, Feb. 17.
- Adhesive composition. F. M. Hall and R. W. Griffith. 2,442,083, May 25.
- Adhesive composition comprising a polyalkylene glycol and an alkyl resin. L. J. Gold and S. Zweig. 2,446,581, Aug. 10.
- Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pinewood extract. N. G. Tompkins. 2,435,909, Feb. 10.
- Adhesive compositions. N. A. Skow, C. J. Seiler, R. A. Orlani, and J. S. Whitaker. 8,454,676, Nov. 23.
- Adhesive compositions and methods and articles utilizing them, Polyethylene isopropylene sebacate. C. S. Fuller. 2,443,613, June 22.
- Adhesive label dispenser. W. H. Brady, Jr., and F. W. Brady. 2,434,545, Jan. 13.
- Adhesive material. W. J. O'Brien. 2,451,865, Oct. 19.
- Adhesive of water remountable type from lignin sulfonic acid and polyvinyl alcohol. D. S. Bruce and H. L. Heise. 2,443,889, June 22.
- Adhesive, Phenolic resin. J. T. Stephan, R. A. Jarvi, and J. R. Ash. 2,437,981, Mar. 16.
- Adhesive product and making same, Novel. J. E. Fenn. 2,457,357, Dec. 28.
- Adhesive sheet and making. W. Kellgren, H. J. Tierney, and R. G. Drew. 2,444,830, July 6.
- Adhesive sheet material, Pressure-sensitive. J. B. Martin. 2,439,481, Apr. 13.
- Adhesive sheet, Pressure-sensitive. J. W. Pearson. 2,453,258, Nov. 9.
- Adhesive sheeting, Making pressure-sensitive. J. W. Pearson. 2,442,876, June 8.
- Adhesive, Soya meal-sewage sludge. D. V. Redfern. 2,446,954, Aug. 10.
- Adhesive tape, Heat-sealing. T. F. Murray, Jr., and G. F. Sharrard. 2,448,638, Sept. 7.
- Adhesive tape, Pressure-sensitive. H. J. Tierney. 2,438,195, Mar. 23.
- Adhesives. E. J. G. Bailey, F. M. Page, and J. C. McGowan. 2,455,392, Dec. 7.
- Adhesives from vegetable proteinous material. G. Davidson. Re. 23,052, Nov. 30.
- Adhesives, Preparing casein. S. M. Weisberg and E. G. Stimpson. 2,436,239, Feb. 17.
- Adipic acid process. C. H. Hamblet and A. McAlevy. 2,439,513, Apr. 13.
- Adjustable actuating means for garment pressing machines. H. G. Beede. 2,434,482, Jan. 13.
- Adjustable anvil for micrometer calipers. H. Pollitt. 2,438,765, Mar. 30.
- Adjustable automatic saw-table gauge. H. T. Caskey. 2,435,382, Feb. 3.
- Adjustable bier pin. E. L. Schofield. 2,456,739, Dec. 21.
- Adjustable bracket. A. E. and C. F. Hansen. 2,443,242, June 15.
- Adjustable bracket. F. D. Irwin. 2,439,624, Apr. 13.
- Adjustable cap. S. Matarazzo. 2,446,053, July 27.
- Adjustable chair. C. M. R. D. Panter. 2,452,140, Oct. 26.
- Adjustable check valve. J. D. Langdon. 2,447,510, Aug. 24.
- Adjustable clamp. R. H. Godwin. 2,446,470, Aug. 3.
- Adjustable coat and two pants hanger. T. H. Maurer. 2,457,579, Dec. 28.
- Adjustable compensating turntable drive. E. V. Schneider. 2,439,026, Apr. 6.
- Adjustable device. L. Nass. 2,440,017, Apr. 20.

- Adjustable eaves trough support. C. H. Van Wert. 2,448,750, Sept. 7.
- Adjustable eccentric. R. E. Johnson. 2,453,072, Nov. 2.
- Adjustable fastener. F. R. Taberlet. 2,441,377, May 11.
- Adjustable generator. C. M. Snader. 2,455,956, Dec. 14.
- Adjustable heater support. C. C. Doyle. 2,455,047, Nov. 30.
- Adjustable hose drier. G. T. Dale. 2,436,856, Mar. 2.
- Adjustable hose holder. M. C. White. 2,439,642, Apr. 13.
- Adjustable lamp. H. E. Bremer. 2,434,986, Jan. 27.
- Adjustable microscope eyepiece mounting. H. N. Ott. 2,439,526, Apr. 13.
- Adjustable multiple plate holder. F. R. Laureyns. 2,454,516, Nov. 23.
- Adjustable mutual coupling. J. E. Tillman. 2,438,770, Mar. 30.
- Adjustable picture frame. E. and A. Barasch. 2,442,967, June 8.
- Adjustable pivoted-shank spanner wrench. B. A. Riccio. 2,444,371, June 29.
- Adjustable reclining chair. C. Collins. 2,448,860, Sept. 7.
- Adjustable sash holder. C. F. Recklitis. 2,442,148, May 25.
- Adjustable shoring support. J. W. Keffer. 2,444,705, July 6.
- Adjustable socket wrench. A. R. Oberwegner. 2,443,774, June 22.
- Adjustable spring supported chair. R. J. Sharp. 2,439,869, Apr. 20.
- Adjustable support. E. A. Black. 2,449,049, Sept. 14.
- Adjustable support. S. N. Buchanan and S. L. Gibson. 2,442,340, June 1.
- Adjustable support. C. E. Morley. 2,452,316, Oct. 26.
- Adjustable support. A. F. Teigen. 2,447,919, Aug. 24.
- Adjustable thermal limit switch. H. Ulanet. 2,447,622, Aug. 24.
- Adjustable vise, Quickly. B. R. Zitner. 2,441,683, May 18.
- Adjustable window shade bracket. W. P. Moore. 2,454,530, Nov. 23.
- Adjuster for friction elements, Automatic. L. E. La Brie. 2,451,562, Oct. 19.
- Adjuster, Zero meter. H. Butler. 2,440,392, Apr. 27.
- Adjusting and holding device. A. J. Stepanoff. 2,434,018, Jan. 6.
- Adjusting contacts. F. C. Gill. 2,439,362, Apr. 6.
- Adjusting means for control devices. J. J. Rothwell. 2,453,861, Nov. 16.
- Adjusting means for transmission lines. F. J. Bingley. 2,437,067, Mar. 2.
- Adjusting means for yoke arrangements. E. P. Kinne and F. H. Kayler. 2,452,015, Oct. 19.
- Adjusting means, Harvester platform. M. Ronning and K. M. Keith. 2,452,153, Oct. 26.
- Adjusting mechanism, Wheel brake. A. H. Blau. 2,452,717, Nov. 2.
- 2,453,806, Nov. 16.
- Adjusting system, Voltage. G. L. Fredendall. 2,454,150, Nov. 16.
- Adjustment mechanism for microscopes. H. M. Porter. 2,439,485, Apr. 13.
- Adsorbent refining method. C. C. Winding. 2,446,799, Aug. 10.
- Adsorbents, Regenerating. C. D. Laughlin and H. M. Gwyn, Jr. 2,434,419, Jan. 13.
- Adsorption apparatus. E. M. Velten. 2,450,533, Oct. 5.
- Aeration of butter fat-containing liquids. C. A. Getz. 2,435,682, Feb. 10.
- Aerator, Waste liquor. E. B. Mallory. 2,438,342, Mar. 23.
- Aerial bomb. G. M. O'Rear. 2,450,910, Oct. 12.
- Aerial bomb control system. J. H. Hammond, Jr. 2,446,279, Aug. 3.
- Aerial bomb, pyrotechnic device and the like. J. Imber and H. C. Hebard. 2,447,941, Aug. 24.
- Aerial delivery contrivance, Shockproof. R. J. Nebesar. 2,452,783, Nov. 2.
- Aerial delivery mechanism. F. E. Monks. 2,435,150, Jan. 27.
- Aerial duct, Sectionalized. G. S. Van Antwerp. 2,451,004, Oct. 12.
- Aerochemical device. F. Short. 2,442,381, June 1.
- Aeroplane empennage. W. H. Jackson. 2,439,304, Apr. 6.
- Aeroplane, Model. E. Mosthof. 2,439,054, Apr. 6.
- Aeroplane propeller having an ice preventing coating. R. S. Gaugler and H. W. Guenther. 2,434,208, Jan. 6.
- Aerosols, Method and apparatus for producing. I. Langmuir and V. J. Schaefer. 2,437,963, Mar. 16.
- Aerosols, Producing. Z. M. Roehr. 2,440,915, May 4.
- Affixing labels, wraps, etc. L. Cahn. 2,435,267, Feb. 3.
- Agar, Extraction and preparation of. J. F. Byrne and P. S. Powling. 2,439,964, Apr. 20.
- Agent and mineral oil lubricant compositions containing the same. H. G. Smith and T. L. Cantrell. 2,456,336, Dec. 14.
- Agent for lubricants, Addition. W. A. Jones. 2,455,337, Nov. 30.
- Agents for reducing the surface tensions of liquids. L. Leiserson. 2,453,022, Nov. 2.
- Agents for use in low-temperature polymerization reactions, Modifying. P. K. Frolich. 2,456,265, Dec. 14.
- Aggregate, Light weight, and producing same. W. J. McCoy. 2,456,207, Dec. 14.
- Agitator, Ink. D. Ortleb. 2,447,868, Aug. 24.
- Agitator, Mechanical. A. H. Downs. 2,434,312, Jan. 13.
- Agricultural machine. E. B. Dewey. 2,449,062, Sept. 14.
- Aid to art practice and instruction. K. B. Twomey. 2,454,899, Nov. 30.
- Aileron and elevator indicator. P. F. Bechberger. 2,441,182, May 11.
- Aileron-rudder tab linkage. R. L. Copeland. 2,445,940, July 27.
- Aiming and firing means, Gun. B. Darsie. 2,451,614, Oct. 19.
- Aiming mechanism. W. L. Maxson, P. J. McLaren, W. A. Black, and M. Fry. 2,448,450, Aug. 31.
- Airborne anesthetizing apparatus. J. A. Heidbrink. 2,449,165, Sept. 14.
- Air brake apparatus. J. W. Marsh. 2,456,137, Dec. 14.
- Air charger. L. E. Gordon. 2,447,173, Aug. 17.
- Air charger for storage tanks. S. M. McCarthy. 2,450,291, Sept. 28.
- Air circulating duct for two-temperature refrigerator cabinets. R. E. Kruck and E. E. Grover. 2,455,781, Dec. 7.
- Air-circulating heater. G. Steingruber. 2,445,250, July 13.
- Air cleaner. K. F. Russell. 2,457,321, Dec. 28.
- Air cleaning device for motor vehicles. S. C. Heth. 2,455,252, Nov. 30.
- Air clearing fan, Portable. J. L. Brandenburg. 2,451,193, Oct. 12.
- Air collet closer. C. Koolma. 2,455,586, Dec. 7.
- Air compressing system. M. Mallory. 2,454,073, Nov. 16.
- Air compressor, Rotary. R. Flanagan. 2,454,048, Nov. 16.
- Air conditioning. W. M. Simpson. 2,455,196, Nov. 30.
- Air conditioning apparatus. A. H. Bahnson, Jr. 2,440,627, Apr. 27.
- Air conditioning apparatus. T. W. Carraway. 2,487,936, Mar. 16.
- Air conditioning apparatus. R. F. Roper. 2,447,278, Aug. 17.
- Air conditioning apparatus. R. S. Sherman. 2,433,960, Jan. 6.
- Air conditioning apparatus. W. A. Spofford. 2,441,852, May 18.
- Air conditioning apparatus. M. C. Terry. 2,451,366, Oct. 12.
- Air conditioning apparatus. N. Weinstein and G. F. Mannion. 2,445,705, July 20.
- Air conditioning apparatus, Automotive. G. E. Seldon. 2,444,537, July 6.
- Air conditioning apparatus having mounting for motion relative to a window. C. S. Cody. 2,436,713, Feb. 24.
- Air conditioning grille or register assembly. H. E. Coleman. 2,450,184, Sept. 28.
- Air conditioning system. S. C. Jimopoulos. 2,446,593, Aug. 10.
- Air-conditioning system. K. Nehab. 2,445,121, July 13.
- Air-conditioning unit. H. C. Dearborn. 2,446,411, Aug. 3.
- Air conditioning unit. C. J. Rice and J. V. Narrell. 2,435,798, Feb. 10.
- Air conditioning unit, Absorption type portable. C. C. Coons. 2,444,694, July 6.
- Air conditioning unit having a reversible fan wheel. H. F. Hagen. 2,434,847, Jan. 20.
- Air control device. D. Rossman. 2,454,480, Nov. 23.
- Air control mechanism and switch for oil burners. D. Kaufman. 2,446,834, Aug. 10.
- Air cooling apparatus. D. L. Kaufman. 2,454,654, Nov. 23.
- Air-cooled electrode holder. L. D. Abramson. 2,440,816, May 4.
- Air-coolers for internal-combustion turbines. D. Eyre. 2,435,557, Feb. 3.
- Air cooling means for free piston engines. G. A. Mueller, Jr., and P. S. Shirley. 2,435,233, Feb. 3.
- Aircraft. J. W. MacFarland, Jr. 2,437,700, Mar. 16.
- Aircraft. E. A. Stalker. 2,438,254, Mar. 23.
- Aircraft. M. Watter and E. G. Bruce. 2,437,574, Mar. 9.
- Aircraft and towing the same, Towed. C. S. Bell. 2,436,988, Mar. 2.
- Aircraft airfoil construction. M. Watter. 2,451,458, Oct. 12.
- Aircraft gun sight having adjustable transparent reflector means. C. J. Harasta. 2,434,109, Jan. 6.
- Aircraft anti-cycling arrangement. J. D. Campbell and J. M. Roth. 2,457,031, Dec. 21.
- Aircraft bank indicator. L. Cohen. 2,442,265, May 25.
- Aircraft barrier. R. B. Cotton. 2,450,328, Sept. 28.
- Aircraft cabin pressure regulator. W. D. Teague, Jr. 2,447,918, Aug. 24.
- Aircraft carrier. C. B. Neel. 2,440,345, Apr. 27.
- Aircraft control. W. W. Beman. 2,450,709, Oct. 5.
- Aircraft control. J. L. Vint, Jr. 2,454,981, Nov. 30.
- Aircraft control surface. W. W. Williams and H. L. Bowers. 2,451,009, Oct. 12.
- Aircraft control system. R. C. Sanders, Jr., and J. H. Purl. 2,443,748, June 22.
- Aircraft control system. H. E. Wells. 2,446,149, July 27.
- Aircraft, Convertible type. J. C. Quady and W. L. Davis, Jr. 2,448,392, Aug. 31.
- Aircraft cooling by air turbine means. A. M. Mayo. 2,453,923, Nov. 16.
- Aircraft door. J. G. Ray. 2,453,937, Nov. 16.

- Aircraft engine support. R. J. Woods. 2,446,399, Aug. 3.
 Aircraft fare. J. Albin. 2,449,540, Sept. 21.
 Aircraft flight control or pilot, Automatic electronic. W. J. Harshbarger and D. R. Putt. 2,457,230, Dec. 28.
 Aircraft flight stabilizing control unit and system. C. L. Paulus. 2,449,566, Sept. 21.
 Aircraft gun turret, Power-operated. C. G. Holschuh and L. C. Warner. 2,434,653, Jan. 20.
 Aircraft having high-lift wing channels. W. R. Custer. 2,437,684, Mar. 16.
 Aircraft having power-driven, adjustable, retractable and steerable front wheels. E. A. Clark. 2,446,528, Aug. 10.
 Aircraft heater with combustion air control. H. J. D. McCollum. 2,451,760, Oct. 19.
 Aircraft heating and deicing system. W. W. Reaser. 2,448,826, Sept. 7.
 Aircraft heating control system. W. J. Field. 2,437,318, Mar. 9.
 Aircraft, Helicopter and airplane sustained. G. H. Bowlus. 2,440,003, Apr. 20.
 Aircraft landing and taxiing light. J. D. Katz. 2,443,007, June 8.
 Aircraft landing gear. L. H. Leonard. 2,446,480, Aug. 3.
 Aircraft landing gear lock. J. E. Wescott. 2,451,265, Oct. 12.
 Aircraft landing system. R. H. Varian. 2,435,988, Feb. 17.
 Aircraft launching system. D. B. Doolittle. 2,443,308, June 15.
 Aircraft navigation. R. C. Sanders, Jr. 2,434,813, Jan. 20.
 Aircraft of rotary wing type. C. H. Kaman. 2,455,866, Dec. 7.
 Aircraft pickup and arresting device. R. L. Kerr. 2,434,618, Jan. 13.
 Aircraft pontoon device. W. A. Morris. 2,444,264, June 29.
 Aircraft power plant structure. W. A. Bohannon. 2,445,417, July 20.
 Aircraft propeller. W. Dalton. 2,454,040, Nov. 16.
 Aircraft propeller mechanism. R. B. Davis. 2,438,151, Mar. 23.
 Aircraft provided with fixed and rotary wings for convertible types of flight. S. D. Robins. 2,437,789, Mar. 16.
 Aircraft, Rotary wing. H. H. Platt. 2,441,920, May 18.
 Aircraft, Rotary wing. A. M. Young. 2,457,429, Dec. 28.
 Aircraft structural material and making the same. J. C. MacKinnon and W. R. Hickler. 2,456,005, Dec. 14.
 Aircraft training apparatus. R. C. Dehmel. 2,443,604, June 22.
 Aircraft wheel and tire. A. M. Stanley. 2,450,259, Sept. 28.
 Aircraft with blast or like tube and closure therefor. J. C. Myers. 2,445,235, July 13.
 Aircraft with rotatable sustaining blades. V. Isacco. 2,457,376, Dec. 28.
 Air deflector. E. A. Shellberg. 2,442,441, June 1.
 Air delivery container. A. B. Schultz. 2,454,616, Nov. 23.
 Air distributing unit. H. R. Sewell and R. T. Palmer. 2,442,963, June 8.
 Air-drying apparatus. N. G. Cadman. 2,440,326, Apr. 27.
 Air duct system for aircraft. D. D. Waller. 2,434,752, Jan. 20.
 Air filter. J. F. Donat. 2,453,206, Nov. 9.
 Air filter. E. G. Pierce. 2,450,610, Oct. 5.
 Air filter for polishing machines. S. A. Crosby. 2,439,596, Apr. 13.
 Air filter with heat exchange arrangements. C. G. Vokes. 2,437,489, Mar. 9.
 Air flow control. W. W. Kennedy. 2,446,879, Aug. 10.
 Air flow control valve. F. Honerkamp and F. J. Kurth. 2,443,071, June 8.
 Air flow regulating valve. W. A. Marshall, Jr. 2,451,626, Oct. 19.
 Airfoil and boundary layer control, Adjustable. E. V. Ehrhardt. 2,441,694, May 18.
 Airfoil operating mechanism. A. H. Westberg and C. S. Aldrich. 2,453,560, Nov. 9.
 Airframe structure. B. N. Wallis. 2,455,838, Dec. 7.
 Air gun. A. F. Lovering. 2,453,799, Nov. 16.
 Air gun, Compressed. W. S. Wells. 2,450,029, Sept. 28.
 Air heater for castings. A. M. Lister. 2,450,518, Oct. 5.
 Air heater for motor vehicles. C. E. Wenger. 2,452,170, Oct. 26.
 Air heater having reverted expanding combustion chamber. W. Holbrook. 2,448,595, Sept. 7.
 Air-heating device for fireplaces. A. B. Austin. 2,439,503, Apr. 18.
 Air heating furnace and blower, Volute type. F. R. Higley. 2,453,912, Nov. 16.
 Air or water attachment for dental engines. R. E. Cunningham. 2,437,017, Mar. 2.
 Airplane anti-icing system. H. F. Schmidt. 2,447,095, Aug. 17.
 Airplane, Cargo. C. R. Lemonier and S. T. Payne. 2,434,464, Jan. 13.
 Airplane, Cargo. A. O. Taylor. 2,441,913, May 18.
 Airplane, Cargo. A. O. Taylor. 2,446,441, Aug. 3.
 Airplane control surface. R. J. Nebesar. 2,443,323, June 15.
 Airplane control system. E. D. Garehime. 2,442,289, May 25.
 Airplane control system. J. D. McKellar. Re. 23,020, July 27.
 Airplane course indicating system. O. H. Dicke. 2,439,846, Apr. 20.
 Airplane engine and propeller pitch control. A. W. Gardiner and W. T. Nickel. 2,435,037, Jan. 27.
 Airplane engine ice indicator. K. E. Rollefson. 2,446,885, Aug. 10.
 Airplane engine nacelle. D. B. Suggs. 2,435,168, Jan. 27.
 Airplane handling device. L. J. Maxson. 2,433,858, Jan. 6.
 Airplane landing gear. W. L. Oden. 2,435,459, Feb. 3.
 Airplane landing gear. A. P. Wiertz. 2,436,240, Feb. 17.
 Airplane landing gear. J. S. Winter. 2,444,319, June 29.
 Airplane landing gear and emergency release mechanism therefor. G. R. Steinhoff and J. W. Blair. 2,437,135, Mar. 2.
 Airplane pilot's seat. C. N. Paxton. 2,442,375, June 1.
 Airplane propeller, Adjustable pitch. O. C. Enerud. 2,452,444, Oct. 26.
 Airplane train. B. Mitchell. 2,457,391, Dec. 28.
 Airplane, Tailless. W. H. Korff. 2,439,048, Apr. 6.
 Airplane towing mechanism. E. L. Notestein and R. J. Rumpf. 2,443,114, June 8.
 Airplane wheel incorporating a low-pressure fluid motor. A. H. Greubel. 2,435,827, Feb. 10.
 Airplane wing flap and dive brake assembly. R. W. Kraemer, T. C. Hill, and W. D. van Zelm. 2,445,833, July 27.
 Airplane with folding and detachable wings, Roadable. J. H. Geisse. 2,434,068, Jan. 6.
 Air pressure gauge. L. D. Cahill and V. T. Uber. 2,446,632, Aug. 10.
 Air pressure make-up and auxiliary supply means, Free piston engine. W. A. Morain. 2,434,280, Jan. 13.
 Air propelled top. J. R. Mordan. 2,449,405, Sept. 14.
 Air-propeller with automatically variable pitch and diameter and controlled pitch variation. G. R. Hamel. 2,442,291, May 25.
 Air pump attachment for sewing machines. W. O. Runcie. 2,439,319, Apr. 6.
 Air pump lubrication, Sliding vane. W. H. and R. R. Curtis. 2,455,297, Nov. 30.
 Air purifier. R. Wilson. 2,449,681, Sept. 21.
 Air screw driven from a common shaft, Multiple. J. F. Morgan. 2,437,399, Mar. 9.
 Air separating system and process. A. Latham, Jr. 2,448,491, Aug. 31.
 Airship. L. H. Donnel and E. L. Shaw. 2,451,815, Oct. 19.
 Air supply and control means for furnaces, Forced draft. H. P. Katz. 2,448,901, Sept. 7.
 Air supply arrangement for hot-air power plant furnaces. F. Nettel and J. Kreitner. 2,434,950, Jan. 27.
 Air supply device for respirators. D. N. Kincheloe. 2,438,058, Mar. 16.
 Air volume control for stokers, Automatic. J. D. Robinson. 2,441,845, May 18.
 Airway marker. J. Abuso. 2,455,721, Dec. 7.
 Airway traffic control system. E. L. Schmidt. 2,443,199, June 15.
 Air wind conditions by radio direction finding, Determining upper. H. Diamond, F. W. Dunmore, and W. S. Hinman, Jr. 2,434,263, Jan. 13.
 Air with products of combustion of furnaces, Mixing. R. C. Fair. 2,443,346, June 15.
 Alarm apparatus, Railway train emergency. L. O. Gron-dahl. 2,456,871, Dec. 21.
 Alarm apparatus, Thermal. C. W. Ingels. 2,455,011, Nov. 30.
 Alarm, Auto prowler. L. D. and D. L. Jolley. 2,448,597, Sept. 7.
 Alarm, Burglar. H. H. Druffel. 2,446,217, Aug. 3.
 Alarm, Burglar. B. W. Smith. 2,457,072, Dec. 21.
 Alarm, Deep and shoal. T. F. Bludworth. 2,437,416, Mar. 9.
 Alarm device, Electric. W. P. T. Holm. 2,448,181, Aug. 31.
 Alarm device, Portable fire. R. E. Young. 2,456,038, Dec. 14.
 Alarm, Overmodulation. J. E. Smith. 2,451,361, Oct. 12.
 Alarm, Portable. S. Sundel. 2,454,234, Nov. 16.
 Alarm switch. W. C. Eddy. 2,439,509, Apr. 13.
 Alarm system, Capacity. M. H. A. Lindsay. 2,455,376, Dec. 7.
 Alarm system, Electric refrigerator. J. J. Bauman. 2,447,894, Aug. 24.
 Alarm system for automobiles, Theft. A. R. Gray. 2,453,903, Nov. 16.
 Alarm system for doors having a plurality of door panels operated in succession. E. A. Kohout. 2,455,780, Dec. 7.
 Alarm system for electric refrigerators. J. J. Bauman. 2,447,893, Aug. 24.
 Alarm system for electric refrigerators. J. J. Bauman. 2,447,895, Aug. 24.
 Alarm system for heat exchange devices. H. H. Rauh. 2,457,069, Dec. 21.
 Alarm system for telephone interrupters, Supervisory. K. Mullerhelm. 2,442,427, June 1.

- Alarm system, Supervisory electrical. A. H. Lamb. 2,449,304, Sept. 14.
- Alarm system, Temperature. K. M. Lord and G. E. Warren. 2,452,942, Nov. 2.
- Alarm system, Trouble. A. Weaver. 2,444,078, June 29.
- Album, Phonograph record. L. A. Chouinard. 2,436,744, Feb. 24.
- Album, Record. R. I. N. Weingart. 2,435,856, Feb. 10.
- Album, Strip print. C. Scharf. 2,444,853, July 6.
- Albumin adhering to egg shells, Recovering. F. F. Pollak. 2,451,116, Oct. 12.
- Albumin and the preparation of protein products therefrom, Crystallization of. W. L. Hughes, Jr. 2,433,905, Jan. 6.
- Alcohol compositions, Plasticized polyvinyl. C. Dangelmajer. 2,448,358, Aug. 31.
- Alcohol insoluble nitrogen substituted polyamides. H. W. Gray. 2,451,672, Oct. 19.
- Alcohols and intermediate formed therein, Making acetylenic. C. Weizmann. 2,435,524, Feb. 3.
- Alcohols, Oxidizing. R. M. Deenesly. 2,456,683, Dec. 21.
- Alcohols, Preparation of unsaturated. W. J. Peppel. 2,448,047, Aug. 31.
- Alcohols, Production of unsaturated. H. A. Cheney, R. Dagley, Jr., and S. H. McAllister. 2,434,394, Jan. 13.
- Alcohols, Rearrangement of unsaturated aliphatic. G. W. Hearne and D. S. La France. 2,435,073, Jan. 27.
- Aldehyde condensation products of aminotriazines and the manufacture thereof. G. Widmer, T. Sutter, W. Fisch, and E. Hochuli. 2,454,495, Nov. 23.
- Aldehyde derivatives of 2-aminoalkanes. E. Rohrmann. 2,455,193, Nov. 30.
- Aldehyde, Manufacture of an. H. Lindlar. 2,451,740, Oct. 19.
- Aldehydes and lactones, Synthesis of. R. Kapp, F. D. Pickel, and L. T. Rosenberg. 2,434,246, Jan. 13.
- Aldehydes by a halogen-hydrogen exchange reaction, Production of. J. A. Chenieck. 2,447,565, Aug. 24.
- Aldehydes, Manufacture of. H. Lindlar. 2,451,742, Oct. 19.
- Aldehydes, Production of unsaturated. L. Ruzicka. 2,435,018, Jan. 27.
- Aldehyde material, Preparing. C. I. Parrish. 2,435,460, Feb. 3.
- Aldols, Manufacture of. L. Albérithière. 2,442,280, May 25.
- Algin gel-forming compositions. A. B. Steiner. 2,441,729, May 18.
- Alginate impression material containing chromic sulfate. E. J. Molnar. 2,454,709, Nov. 23.
- Allylic carboxylic acids, Production of. F. J. Sowa and A. Schwerdtle. 2,454,351, Nov. 23.
- Aligner, Shotgun. C. V. Shy. 2,442,215, May 25.
- Aligning bar. H. R. Long. 2,453,717, Nov. 16.
- Aligning device, Body blank. G. A. Sharpe. 2,440,701, May 4.
- Aligning machinery, Method and apparatus for. R. W. Hunter. 2,436,892, Mar. 2.
- Alimentary paste extrusion apparatus. J. De Francisci. 2,437,460, Mar. 9.
- Aliphatic amino alcohols and medicinal preparations thereof. H. T. F. Givens and R. M. Herbst. 2,457,656, Dec. 28.
- Aliphatic mercaptans and sulfides, Synthesizing. R. T. Bell and C. M. Thacker. 2,447,481, Aug. 24.
- Aliphatic polyamines, Manufacture of. C. N. Robinson, Jr., and J. F. Olin. 2,452,602, Nov. 2.
- Alkali cellulose, Continuous making. W. H. Bradshaw and W. R. Schmitz, Jr. 2,452,542, Nov. 2.
- Alkali-free hydrogel catalyst, Making a substantially. J. W. Payne, T. P. Simpson, and J. I. Butzner. 2,453,585, Nov. 9.
- Alkali metal aluminate, Making. L. S. Lynn, Jr., and E. L. Shirley. 2,442,137, May 25.
- Alkali metal and alkaline earth metal hydroxides, Production of. D. B. Wicker. 2,439,404, Apr. 13.
- Alkali metal and alkaline earth metal lactates under controlled pH conditions to form alkyl lactates, Esterification of. S. M. Weisberg and E. G. Stimpson. 2,434,300, Jan. 13.
- Alkali metal ascorbates, Preparation of. S. L. Ruskin. 2,434,625, Jan. 13.
- Alkali metal hydroxide liquid reagent. A. J. Hall and F. C. Wood. 2,445,064, July 13.
- Alkali metal methylates, Production of. R. S. Robinson. 2,437,272, Mar. 9.
- Alkali metal salts and alkali earth metal salts of halogenated lower fatty acids, Preparation of. B. T. Lamborn. 2,446,233, Aug. 3.
- Alkali metal salts, Decomposing. F. Jourdan and J. Beeche. 2,446,595, Aug. 10.
- Alkali metal salts of dicyanamide, Preparation of. D. E. Nagy and B. C. Redmon. 2,455,895, Dec. 7.
- Alkali metal salts, Treatment of. J. R. Bates. Re. 23,017, July 27.
- Alkali process for wheat starch production. R. J. Dimler. 2,455,981, Dec. 14.
- Alkaline detergent, Producing an. W. R. Bennett. 2,455,648, Dec. 7.
- Alkaline earth hydrates or oxides, and the resulting product, Treating. L. J. Minnick. 2,434,710, Jan. 20.
- Alkaline earth metal petroleum sulfonate compositions. J. Faust. 2,454,736, Nov. 23.
- Alkaline primary battery. L. S. Dunham and E. O. Jegge. 2,450,472, Oct. 5.
- Alkaline solution, Regenerating spent aqueous. L. C. Fetterly. 2,451,817, Oct. 19.
- Alkaline well waters, Method and apparatus for clarifying. L. Lawrason. 2,446,655, Aug. 10.
- Alkamine alkyl esters of pyrrole-3,4-dicarboxylic acids. J. P. Sickels and D. E. Sargent. 2,453,675, Nov. 9.
- Alkamine esters of pyrrole substituted acrylic acids. T. F. Scholz. 2,453,674, Nov. 9.
- Alkamine esters of pyrrole-3,4-dicarboxylic acids. D. E. Sargent. 2,453,671-3, Nov. 9.
- Alkamine esters of pyrrole-3,4-dicarboxylic acids. J. P. Sickels. 2,453,676-7, Nov. 9.
- Alkenoxy amino diphenylamines. R. P. Parker and J. J. Denton. 2,449,006, Sept. 7.
- Alkenyl alkali metal compounds. A. A. Morton. 2,454,082, Nov. 16.
- Alkenyl esters of alkenoxy-substituted carboxylic acids and polymers thereof. R. S. Barker and L. N. Whitehill. 2,448,246, Aug. 31.
- Alkenyl silane interpolymers. J. J. Pyle. 2,448,391, Aug. 31.
- Alkenyl succinic esters with sulfur, Product and process of reacting. G. T. Collins. 2,454,862, Nov. 30.
- Alkenyl sulfolanyl and sulfolenyl carbonates. R. C. Morris and E. C. Shokal. 2,449,173, Sept. 14.
- Alkoxy-substituted esters. R. E. Brooks. 2,436,286, Feb. 17.
- Alkoxy-polyolefin polymers and making same. D. W. Young and N. M. Elmore. 2,445,378, July 20.
- Alkyd resins, Convertible. T. W. Evans and D. E. Adelson. 2,448,258, Aug. 31.
- Alkyd sizing composition, Modified. J. W. Robertson. 2,454,717, Nov. 23.
- Alkyl acrylates, Production of. S. M. Weisberg and E. G. Stimpson. 2,442,716, June 1.
- Alkyl-amino-alkyl para-alkoxy-benzoates. W. G. Christiansen and G. O. Chase. 2,444,395, June 29.
- Alkyl aromatic hydrocarbons into alkenyl aromatic hydrocarbons, Conversion of. H. A. Cheney and S. H. McAllister. 2,441,095, May 4.
- Alkyl aromatic hydrocarbons, Production of. J. M. Mavity. 2,436,480, Feb. 24.
- Alkyl aryl sulfonates, Producing. L. H. Flett. 2,441,351, May 11.
- Alkyl benzenes. A. W. Francis and C. H. Schlesman. 2,450,652, Oct. 5.
- Alkyl cellulose stabilized with an N,N-dialkylated diamine. J. E. Jones. 2,438,975, Apr. 6.
- Alkyl chlorides, Production of. W. N. Axe. 2,434,092, Jan. 6.
- Alkyl chlorides, Production of. E. G. Galitzenstein and C. Woolf. 2,454,645, Nov. 23.
- Alkyl cyanides, Production of. L. K. Beach. 2,451,314, Oct. 12.
- Alkyl cycloalkyl halides, Production of. L. Schmerling. 2,436,058, Feb. 17.
- Alkyl derivatives of thiophene, Production of. H. E. Rasmussen and R. C. Hansford. 2,450,685, Oct. 5.
- Alkyl esters of abietic acid, Oxidation of. M. T. Harvey. 2,435,831, Feb. 10.
- Alkyl esters of α -acylamino, α -cyano, β -(3-indole)-propionic acid. N. F. Albertson, S. Archer, and C. M. Suter. 2,451,310, Oct. 12.
- Alkyl esters of α -cyano- β -furylidene acetic acid as insect repellents. R. E. Heal. 2,435,780, Feb. 10.
- Alkyl esters of ascorbic acid, Lower. E. C. Wise. 2,454,749, Nov. 23.
- Alkyl esters of ascorbic acid, Mixed. D. I. Weisblatt, D. R. Myers, and E. C. Wise. 2,454,747, Nov. 23.
- Alkyl esters of chloroacetic acid, Preparing. W. P. Bitler, T. C. Aschner, and L. Nicholl. 2,452,350, Oct. 26.
- Alkyl glycinanilides. N. M. Löfgren and B. J. Lundqvist. 2,441,498, May 11.
- Alkyl halides, Preparation of. D. C. Bond. 2,453,779, Nov. 16.
- Alkyl halides, Production of primary. J. C. Munday. 2,447,593, Aug. 24.
- Alkyl-N-substituted polymeric styrene maleamic acids and dispersions containing them, Long-chain secondary. W. L. Alderson, Jr. 2,451,370, Oct. 12.
- Alkyl phenols derived from petroleum, Stabilization and purification of. R. L. Shuman. 2,446,250, Aug. 3.
- Alkyl phenols through selective alkylation, Separation of mixtures of. D. B. Luten, Jr., and A. De Benedictis. 2,435,087, Jan. 27.
- Alkyl-substituted ethanes, Production of. T. A. Ford and H. W. Jacobson. 2,440,678, May 4.
- Alkyl thiophene-aldehyde synthetic resins. P. D. Caesar. 2,453,086, Nov. 2.
- Alkylaminoketone oximes, Preparing. G. H. Morey. 2,445,626, July 20.
- Alkylated aromatic hydrocarbons, Manufacture of. L. Schmerling and V. N. Ipatieff. 2,442,878, June 8.
- Alkylated indene with a phenolic compound, Reacting an. F. J. Soday. 2,444,233, June 29.
- Alkylated phenol and producing same. L. J. Kitchen. 2,445,735, July 20.
- Alkylated silanes, Preparation of. R. N. Meals. 2,444,784, July 6.
- Alkylation. E. M. Skinner. 2,448,400, Aug. 31.

- Alkylation and desulfurization, Simultaneous. J. R. Meadow and W. A. Stover. 2,434,623, Jan. 13.
- Alkylation method. A. R. Goldsby and C. W. Watson. 2,454,869, Nov. 30.
- Alkylation of aromatic hydrocarbons by contact with heat-stable metal halide catalysts. A. A. O'Kelly and R. H. Work. 2,436,151, Feb. 17.
- Alkylation of aromatic hydrocarbons with sulfuric acid catalyst avoiding sulfonation of product. D. J. Lyons, A. Lazar, and L. L. Ingraham. 2,437,828, Mar. 16.
- Alkylation of benzene by long chain polymeric olefins using sulfuric acid catalyst. J. J. Donleavy and M. M. Baizer. 2,439,457, Apr. 13.
- Alkylation of cyclic unsaturated hydrocarbons using alkali metal catalyst. G. M. Whitman. 2,448,641, Sept. 7.
- Alkylation of hydrocarbons. K. Korpi and A. R. Goldsby. 2,436,965, Mar. 2.
- Alkylation of hydrocarbons. E. F. Pevere, L. A. Clarke, and G. B. Hatch. 2,443,694, June 22.
- Alkylation of isobutane with ethylene. H. E. Vermillion. 2,452,166, Oct. 26.
- Alkylation of isoparaffins. R. J. Newman. 2,436,483, Feb. 24.
- Alkylation of paraffins in presence of hydrofluoric acid. F. E. Frey. 2,455,003, Nov. 30.
- Alkylation of phenolic compounds. D. E. Winkler and R. H. Mortimer. 2,448,942, Sept. 7.
- Alkylation of thiophene. P. D. Caesar and A. N. Sachanen. 2,448,211, Aug. 31.
- Alkylation process. W. E. Bradley. 2,435,028, Jan. 27.
- Alkylation process. C. S. Kuhn, Jr. 2,436,695, Feb. 24.
- Alkylation process. M. P. Matuszak. 2,456,435, Dec. 14.
- Alkylation process. J. R. Meadow. 2,441,102-3, May 4.
- Alkylation process. D. G. Stevens. 2,453,765, Nov. 16.
- Alkylation process. J. B. Middleton. 2,452,018, Oct. 19.
- Alkylation reactants, Mixing. J. B. Middleton. 2,452,017, Oct. 19.
- Alkylation-recycling of alkylate product stream free of inert gases. A. R. Sydnor, Jr. 2,442,221, May 25.
- Alkylation with olefin streams containing propylene and ethylene, Two-stage. C. O. Baker. 2,442,160, May 25.
- Alkylenes cyanohydrins, Production of. E. L. Carpenter. 2,453,062, Nov. 2.
- Alkylenes dihydrazines and production. H. Dreyfus. 2,445,518, July 20.
- Alkylenes glycols, Stabilizing. A. R. Sexton. 2,441,848, May 18.
- Alkylenes glycols, Stabilization of. A. R. Sexton and F. N. Alquist. 2,441,849, May 18.
- Alkylisocyanine arylsulfonate pesticide. C. F. Woodward, D. H. Saunders, and R. C. Provost, Jr. 2,456,851, Dec. 21.
- Alkylol amine salts of hydroxy fatty acids and process for their preparation. B. B. Schaeffer. 2,448,626, Sept. 7.
- Alkylolamide of a trihydroxystearic acid, Preparing an. B. B. Schaeffer. 2,440,349, Apr. 27.
- Alkylpolysiloxaneborates and their production, Lower. W. I. Fatnede. 2,434,953, Jan. 27.
- Alkylpyrimidopyrazines and preparing same. J. H. Mowat. 2,443,078, June 8.
- Alkylsilicon sols and gels. J. R. Elliott and R. H. Kriebble. 2,441,423, May 11.
- Alloy: See—
- Bearing alloy. High temperature alloy.
- Brazing alloy. Magnetic alloy.
- Ferrous alloy. Nonferrous alloy.
- Alloy. H. M. German. 2,451,547, Oct. 19.
- Alloy for metal evaporation, Copper base. F. R. Hensel and E. I. Larsen. 2,447,979, Aug. 24.
- Alloy for metal evaporation, Silver base. F. R. Hensel and E. I. Larsen. 2,450,340, Sept. 28.
- Alloy, Making a hard facing. J. Kurtz and E. Zampieri. 2,438,221, Mar. 23.
- Alloy metal film resistor. J. W. Jira. 2,440,691, May 4.
- Alloy plating, Bright. G. W. Jernstedt. 2,435,967, Feb. 17.
- Alloy plating, Bright. J. C. Lum and G. W. Jernstedt. 2,436,316, Feb. 17.
- Alloy steels, Austenitic. A. E. Thornton. 2,449,023, Sept. 7.
- Alloys and rectifiers made therefrom, Germanium-helium. R. M. Whaley. 2,447,829, Aug. 24.
- Alloys and rotor forgings for gas turbines, Ferrous. A. O. Schaefer. 2,453,598, Nov. 9.
- Alloys, Blackening copper. E. B. Lewis. 2,457,480, Dec. 28.
- Alloys containing molybdenum, Manufacture of. G. L. Miller. 2,434,048, Jan. 6.
- Alloys, Copper base. J. D. Berwick. 2,445,868, July 27.
- Alloys for making cast iron. A. P. Gagnebin, L. L. Seigle, and J. S. Vanick. 2,455,751, Dec. 7.
- Alloys, Grain refining magnesium. C. H. Mahoney, H. C. Lee, A. L. Tarr, and P. E. Le Grand. 2,436,520, Feb. 24.
- Alloys, Grain refining magnesium. C. H. Mahoney, H. C. Lee, A. R. Tarr, and P. E. Le Grand. 2,448,993, Sept. 7.
- Alloys, Oxidation resistant. J. Kurtz. 2,441,126, May 11.
- Alloys, Zinc-titanium-cadmium. E. J. Boyle and E. A. Anderson. 2,448,169, Aug. 31.
- All-steel high-pressure valve. D. R. McMullen. 2,445,885, July 27.
- Allyl alcohol, Production of. A. B. Ash, R. E. Carlson, N. Koslin, and T. H. Vaughn. 2,441,540, May 11.
- Allyl and/or methallyl alcohol-modified carbamide-aldehyde resins and producing same. R. W. Auten and W. L. Evers. 2,442,747, June 8.
- Alpha-aceto, alpha-chloro, gamma-butyrolactone, Making. R. Zumbunn. 2,440,229, Apr. 20.
- Alpha-acetoxymethyl acrylonitrile polymers. T. F. Wood. 2,453,824, Nov. 16.
- Alpha, alpha-dialkyl beta-chloro-propionic acids, The preparation of. T. A. Ford. 2,449,163, Sept. 14.
- α -Amino acids and N-substituted- α -amino acids. J. H. Billman. 2,433,979, Jan. 6.
- Alpha-amino-beta-hydroxy aliphatic carboxylic acids, Preparation of. W. H. Hartung. 2,446,651, Aug. 10.
- Alpha beta dimethylene succinonitrile. P. O. Tawney. 2,444,882, July 6.
- α -Ethylpiperonyl ethers, Producing. E. A. Prill. 2,456,316, Dec. 14.
- Alpha-baloacrylic compounds, Production of. D. R. Saunders. 2,434,229, Jan. 6.
- Alpha-hydroxy-ether of fatty acid. H. H. Guest. 2,435,828, Feb. 10.
- Alpha-hydroxy-ether of fatty acid soap. H. H. Guest. 2,435,829, Feb. 10.
- α -Methacrylonitrile, Preparation of. W. M. Zeischke. 2,441,462, May 11.
- Alpha-methylene carboxylic acid fluoride polymers and their preparation. B. W. Howk and R. A. Jacobson. 2,440,090, Apr. 20.
- Alpha phenylethyl phenols, Isomerization of. K. B. Goldblum. 2,441,408, May 11.
- Alphabet and numeral printer, Perforated card controlled. R. E. Page and H. S. Beattie. 2,438,071, Mar. 16.
- Alphabet jigsaw game. L. Davis. 2,445,421, July 20.
- Altering the reflection of radar waves. A. Korn, J. W. Hess, and S. L. Ruskin. 2,436,578, Feb. 24.
- Alternate passage double ring cowl. G. S. Schallrer. 2,455,385, Dec. 7.
- Alternating current hoist control. W. R. Wickerham. 2,440,319, Apr. 27.
- Alternating current or like motor with gyratory armature. A. E. Adams and D. Waloff. 2,437,904, Mar. 16.
- Alternating electric current rectifier. L. E. Thompson and A. Jenkins. 2,437,336, Mar. 9.
- Altimeter. E. C. Raney. 2,435,289, Feb. 3.
- Altimeter, Dually frequency modulated. D. Blitz. 2,436,627, Feb. 24.
- Altimetric-stereo-corrector. B. A. D. Cavalcanti. 2,448,484, Aug. 31.
- Altitude and rate of change measuring device and control for aircrafts. G. A. Philbrick and A. R. Catheron. 2,445,335, July 20.
- Altitude switch. J. J. Zeller and W. H. Woods. 2,442,108, May 25.
- Alum, Drying. A. W. Kingsbury and W. H. Osborn. 2,441,022, May 4.
- Alumina content of cryolite fusions, Enriching the. A. F. Johnson. 2,451,494, Oct. 19.
- Alumina content of cryolite fusions in aluminum production, Enriching the. A. F. Johnson. 2,451,493, Oct. 19.
- Alumina content of recirculated cryolite fusions in aluminum production, Enriching the. A. F. Johnson. 2,451,491, Oct. 19.
- Alumina gel from amalgamated aluminum, Manufacturing. L. Heard. 2,449,847, Sept. 21.
- Alumina hydrosol formation by aeration, Accelerating. C. N. Kimberlin, Jr. 2,453,847, Nov. 16.
- Alumina, Preparing. H. A. Pray, C. L. Faust, and F. C. Jelen. 2,436,778, Feb. 24.
- Alumina utilizing kaolin, marl, and related materials, Making. F. J. Anderson and D. R. Williams. 2,438,488, Mar. 30.
- Aluminum alloy sheets, High-strength corrosion-resistant. T. L. Fritzlen. 2,454,312, Nov. 23.
- Aluminum bromide-hydrocarbon complex to promote alkylation of aromatic hydrocarbons by olefins of more than two carbon atoms per molecule, Process using. M. H. Gorin and L. G. Sharp. 2,438,211, Mar. 23.
- Aluminum bromide, Manufacture of. V. E. Houston and A. G. Oblad. 2,439,737, Apr. 13.
- Aluminum connection parts treated with concentrated nitric acid. W. F. Bonwitt. 2,437,220, Mar. 2.
- Aluminum fluoride gels, Production of. H. Heinemann. 2,454,921, Nov. 30.
- Aluminum halides by the reaction of alumina, carbon, and free halogen, Producing. R. P. Ferguson. 2,446,221, Aug. 3.
- Aluminum hydroxide antacid composition. F. C. Ninger. 2,446,981, Aug. 10.
- Aluminum hydroxide from silicates, Obtaining. G. Antonoff. 2,447,386, Aug. 17.
- Aluminum phosphate phosphor. H. C. Froelich and J. M. Margolis. 2,455,414, Dec. 7.
- Aluminum, Production of. A. F. Johnson. 2,451,490, Oct. 19.
- Aluminum salts, Preparation of. A. I. Gebhart and J. Ross. 2,447,064, Aug. 17.
- Aluminum sulfate, Preparation of. W. S. Wilson. 2,452,024, Oct. 19.
- Amalgamator, Dental. B. Stewart. 2,448,840, Sept. 7.
- Amalgamator, Inclined plate. E. F. McTarnahan. 2,422,054, May 25.
- Amalgamator with adjustable electrodes, Electrolytic. M. J. Barker. 2,442,753, June 8.

- Amalgamator with preliminary slime remover. C. J. Whitlock. 2,435,812, Feb. 10.
- Amber glass and batch composition for making same. A. K. Lyle. 2,443,142, June 8.
- Amide derivatives and making same. R. Sallmann and C. Graenacher. 2,448,125, Aug. 31.
- Amides, Catalytic production of. P. W. Garbo. 2,453,706, Nov. 16.
- Amides from sulfonyl fluorides. M. S. Altamura. 2,450,863, Oct. 5.
- Amides, Production of. J. A. King. 2,456,785, Dec. 21.
- Amides with cyclic sulfones. T. W. Evans, R. C. Morris, and E. C. Shokal. 2,435,071, Jan. 27.
- Amidines, Manufacture of. W. F. Short and P. Oxley. 2,451,779, Oct. 19.
- Amines, Making. W. W. Prichard. 2,456,315, Dec. 14.
- Amines, Manufacture of primary. M. Grunfeld. 2,449,036, Sept. 7.
- Amino acid preparations intended for intravenous supply nutrients, Manufacture of. K. A. J. Wretling. 2,433,879, Jan. 6.
- Amino acids, Manufacture of. D. J. Bernardi. 2,457,117, Dec. 28.
- Amino acrylates. H. I. Bernstein and D. Long. 2,441,130, May 11.
- Aminoalkyl-9,10-dihydroanthryl ketones. J. W. Cusic. 2,450,122, Sept. 28.
- Aminoanthraquinone sulfonamides. C. G. Vogt. 2,453,104, Nov. 2.
- Aminoanthraquinones, Production of. C. Bamberger. 2,443,885, June 22.
- Amino arsenicals and preparing same. C. S. Hamilton. 2,435,392, Feb. 3.
- Amino-carboxylic-acids from lactams, Preparation of. T. Koch. 2,453,234, Nov. 9.
- Amino-derivatives of dioxo-cyclopentane, New. E. Fourneau. 2,445,393, July 20.
- Amino-dioxacyclopentanes. E. Fourneau. 2,439,969, Apr. 20.
- Aminodiphenyl sulfides. E. W. Cook and P. H. Moss. 2,434,396, Jan. 13.
- Amino fatty derivatives. D. Swern and T. W. Findley. 2,445,892, July 27.
- Amino methyl phenols. E. M. Jones, A. L. Rawlins, J. H. Burckhalter, and W. F. Holcomb. 2,441,576, May 18.
- Aminophenols, Preparing. F. R. Bean. 2,446,519, Aug. 10.
- Aminophthalimides. H. T. Lacey and R. E. Brouillard. 2,436,362, Feb. 17.
- Aminoplasts, Thermoplastic. M. J. Scott. 2,457,738, Dec. 28.
- Amino-substituted acridines, Making. H. J. Barber. 2,450,367, Sept. 28.
- Amino substituted aryl guanamines. J. T. Thurston. 2,447,440, Aug. 17.
- Aminotriazine-aldehyde condensation products with linoic acid monoglyceride and making same. G. Widmer and W. Fisch. 2,448,338, Aug. 31.
- Aminotriazine and derivatives. H. A. Walter. 2,454,261, Nov. 16.
- Aminotriazine product. M. J. Scott. 2,456,567, Dec. 14.
- Ammonia and hydrocarbons from mixtures containing ammonia, propane, propylene, and higher boiling materials, Separation of. J. W. Teter and R. B. Smith. 2,444,175, June 29.
- Ammoniacal copper compounds, Dissolving cellulose in. T. Lieser. 2,447,514, Aug. 24.
- Ammoniacal cuprous solution, Regenerating spent. J. G. Dely. 2,455,473, Dec. 7.
- Ammoniation of fertilizers. F. G. Keenen and R. L. Dodge. 2,439,432, Apr. 13.
- Ammonium compounds, Quaternary. W. S. Gump. 2,435,583, Feb. 10.
- Ammonium polyacrylates, Preparation of quaternary. F. J. Glavis and H. T. Neher. 2,435,777, Feb. 10.
- Ammonium salts, Formation of concentrated solutions of. J. D. Biggs. 2,434,899, Jan. 27.
- Ammonium sulfone halides, Quaternary. A. L. Linch. 2,433,997, Jan. 6.
- Ammonium sulphate, Production of. C. Otto. 2,435,898, Feb. 10.
- Ammonolysis of monochloralkyl nitriles. O. W. Bauer and J. W. Teter. 2,443,292, June 15.
- Ammunition. T. B. Johnson. 2,436,305, Feb. 17.
- Ammunition bandoleer, Machine gun. J. H. Beckman. 2,455,352, Dec. 7.
- Ammunition booster for automatic guns. C. C. Slate. 2,436,404, Feb. 24.
- Ammunition container. W. V. Goodhue and J. P. Norton. 2,437,425, Mar. 9.
- Ammunition dispenser. A. M. Signalness. 2,436,154, Feb. 17.
- Ammunition eliminating means, Spent. G. K. Richardson. 2,450,058, Sept. 28.
- Ammunition feed for firearms, Automatic. W. B. Conway. 2,448,081, Aug. 31.
- Ammunition structure and launching device therefor. S. H. Clarke. 2,447,315, Aug. 17.
- Ammunition storage and handling. G. A. Chadwick and P. H. Girouard. 2,456,620, Dec. 21.
- Amphibian cargo carrier. B. A. Swennes. 2,456,542, Dec. 14.
- Amplifier. W. B. Ellwood. 2,454,045, Nov. 16.
- Amplifier and oscillator circuit. R. J. Davis. 2,439,844, Amplifier, Balanced. D. Blitz. 2,438,960, Apr. 6.
- Apr. 20.
- Amplifier, Band-pass. J. H. Ludwig. 2,455,510, Dec. 7.
- Amplifier, Bidirectional high gain. G. C. Sziklai. 2,455,711, Dec. 7.
- Amplifier, Direct-current. R. T. Cavanagh. 2,445,938, July 27.
- Amplifier, Direct-current. B. L. Weller. 2,455,718, Dec. 7.
- Amplifier, Electromechanical. M. A. Lalande. 2,454,812, Nov. 30.
- Amplifier, Electronically controlled variable gain. R. L. Haynes. 2,434,155, Jan. 6.
- Amplifier, High-frequency. C. E. Dolberg. 2,434,792, Jan. 20.
- Amplifier, High gain. C. D. Knight. 2,455,501, Dec. 7.
- Amplifier, High gain. R. H. Park. 2,434,223, Jan. 6.
- Amplifier, Push-pull. L. J. Haworth. 2,451,827, Oct. 19.
- Amplifier, Rotary. W. G. Cook. 2,451,921, Oct. 19.
- Amplifier, Rotary. B. Litman. 2,445,788, July 27.
- Amplifier, Second harmonic nonlinear. O. W. Livingston. 2,450,286, Sept. 28.
- Amplifier, Stagger tuned. H. Wallman. 2,451,893, Oct. 19.
- Amplifier system. M. Morrison. 2,440,553, Apr. 27.
- Amplifier system, Quenched. R. C. Moore. 2,457,062, Dec. 21.
- Amplifier system, Voltage regulating. R. J. Detuno. 2,451,021, Oct. 12.
- Amplifier, Thermionic. P. K. Chatterjea and C. T. Scully. 2,434,908, Jan. 27.
- Amplifier, Thyatron control servo. C. W. Stoops. 2,443,644, June 22.
- Amplifier, Tone control. P. A. J. L. Visschers. 2,444,076, June 29.
- Amplifier, Vacuum tube. J. C. Street. 2,435,331, Feb. 3.
- Amplifier, Video. E. D. Goodale and V. J. Duke. 2,441,880, May 18.
- Amplifier, Wide band. G. C. Sziklai. 2,453,081, Nov. 2.
- Amplifier, Wide-range audio frequency. D. G. C. Hare. 2,455,332, Nov. 30.
- Amplifying circuit arrangement for ultra high frequencies. M. J. O. Strutt and A. van der Ziel. 2,434,295, Jan. 13.
- Amplifying coupling between a low resistance source and a high resistance circuit. W. H. Bussey. 2,439,072, Apr. 6.
- Amplitude controlled current regulator. F. A. Russell. 2,438,417, Mar. 23.
- Ampoule. M. L. Folkman. 2,445,477, July 20.
- Ampoule neck cutter. L. A. Pierson. 2,447,988, Aug. 24.
- Amusement and educational device. D. Silverman. 2,447,370, Aug. 17.
- Amusement apparatus, Vehicular. H. J. Newman and E. F. Johnson. 2,453,380, Nov. 9.
- Amusement device. L. C. Davis. 2,445,387, July 20.
- Amusement device. J. M. Leach. 2,446,540, Aug. 10.
- Amusement device. H. K. Sandell. 2,439,104, Apr. 6.
- Amusement device, Cathode-ray tube. T. T. Goldsmith, Jr., and E. R. Mann. 2,455,992, Dec. 14.
- Amusement device, Children's. E. Nudelman. 2,455,266, Nov. 30.
- Amusement device consisting of interwoven adjustable picture bands. I. Shamah. 2,439,583, Apr. 13.
- Analysis by fluorescent X-ray excitation. H. Friedman. 2,449,066, Sept. 14.
- Analysis of electrical transients. M. E. Crost. 2,443,603, June 22.
- Analyzer apparatus, Network. H. A. Peterson. 2,452,954, Nov. 2.
- Analyzer for 45° strain rosette data, Electrical. S. S. Manson. 2,447,517, Aug. 24.
- Analyzer, Gas. G. B. Bailey. 2,448,206, Aug. 31.
- Analyzing apparatus. W. H. Wannamaker, Jr. 2,453,053, Nov. 2.
- Anchor. R. S. Danforth. 2,451,719, Oct. 19.
- Anchor. W. S. McLeish. Re. 22,988, Mar. 16.
- Anchor and shield, Button staple. I. M. Janes. 2,453,227, Nov. 9.
- Anchor, Blouse. D. J. Hennie. 2,449,896, Sept. 21.
- Anchor device, Vehicle. J. Buckley. 2,451,470, Oct. 19.
- Anchor fastening. A. Sofia. 2,452,694, Nov. 2.
- Anchor, Ground support. J. B. Hyde. 2,453,226, Nov. 9.
- Anchor, Implement. E. Goin. 2,451,163, Oct. 12.
- Anchor, Land. B. A. Oliver. 2,455,800, Dec. 7.
- Anchor, Line. W. O. Schultz. 2,450,815, Oct. 5.
- Anchor, Pipe. M. S. Johnson. 2,454,064, Nov. 16.
- Anchor post, Extensible. C. Hudkins. 2,454,179, Nov. 16.
- Anchor, Rail. R. J. McComb. 2,448,842, Aug. 10.
- Anchor, Rail. L. Tarwater. 2,451,127, Oct. 12.
- Anchor, Rail. W. H. Woodings, E. A. Skowron, and R. J. McComb. 2,438,086, Mar. 16.
- Anchor, Releasing tubing. V. H. Earley. 2,442,121, May 25.
- Anchor, Tubing. J. S. Page. 2,435,899, Feb. 10.
- Anchor, Two-way rail. F. A. Preston and H. G. Warr. 2,434,865, Jan. 20.
- Anchorage with ball contact switch, Attachment cord. S. P. Morse. 2,454,667, Nov. 23.
- Anchoring whipstocks. S. Wright. 2,445,100, July 13.
- Anchors for lading retaining bands for open-top railway cars. B. R. Jones. 2,449,300, Sept. 14.
- Andiron. F. H. Waggoner. 2,447,295, Aug. 17.
- Anemometer. A. T. Newell. 2,438,674, Mar. 30.

- Angle calculator for structural members. J. T. Hogue. 2,438,667, Mar. 30.
- Angle cutter. J. E. Schlenkert. 2,440,978, May 4.
- Angle drive for shaker conveyers. H. C. Sweeten. 2,446,965, Aug. 10.
- Angle drive, Universal. M. P. Winther. 2,454,111, Nov. 16.
- Angle indicator. J. C. Ivey. 2,452,930, Nov. 2.
- Angling mechanism for disk harrows, Draft operated. J. T. Bibb. 2,450,574, Oct. 5.
- Anhydrous ether, Preparation of. W. K. Buchanan and W. Simpson. 2,446,408, Aug. 3.
- Anhydrous HCl, Manufacturing. K. C. Bottenberg and J. A. Richardson. 2,437,290, Mar. 9.
- Animal fats, Rendering. F. Schroeder. 2,443,274, June 15.
- Animal fibers and product thereof, Treating. M. Harris. 2,434,562, Jan. 13.
- Animal restraining device. A. F. Simonson. 2,443,872, June 22.
- Animal tissue, Treating. J. M. Ramsbottom and L. S. Paddock. 2,454,716, Nov. 23.
- Animal trap. J. S. Adams. 2,434,031, Jan. 6.
- Animal trap. G. H. Bricker. 2,446,168, Aug. 3.
- Animal trap. C. W. Crumrine. 2,437,507, Mar. 9.
- Animal trap. C. W. Crumrine. 2,445,166, July 13.
- Animal trap. C. W. Crumrine. 2,448,780, Sept. 7.
- Animal trap. A. E. Kness. 2,433,913, Jan. 6.
- Animal trap. J. E. Nickell. 2,446,486, Aug. 3.
- Animal trap. V. J. Price. 2,454,476, Nov. 23.
- Animal trap. F. E. Shene. 2,457,501, Dec. 28.
- Animal trap. G. S. Warner. 2,447,147, Aug. 17.
- Animal trap. S. A. Whitbread. 2,450,536, Oct. 5.
- Animated motion pictures, Producing. D. Crockwell. 2,444,729, July 6.
- Animating device. U. E. Iwerks. 2,449,702, Sept. 21.
- Ankle joint and reinforcing member for pneumatic feet. H. C. Campbell. 2,440,075, Apr. 20.
- Ankle support. G. H. Wilkinson. 2,450,862, Oct. 5.
- Annealing box. M. L. Jacob. 2,452,931, Nov. 2.
- Annealing furnace. L. E. Smith. 2,436,024, Feb. 17.
- Annealing of calendared thermoplastic material. W. R. Wheeler. 2,451,597, Oct. 19.
- Announcing machine and system. J. L. Franklin. 2,444,818, July 6.
- Annular electronic tube. A. G. Thomas. 2,437,365, Mar. 9.
- Annunciating and indicating apparatus. J. M. Hesser. 2,434,041, Jan. 6.
- Annunciating device. J. B. Englander. 2,455,922, Dec. 14.
- Annunciator drop, Electric. F. A. Stearn. 2,444,476, July 6.
- Annunciator, Meter reading. W. V. Barsh. 2,435,066, Jan. 27.
- Anode. P. R. Pine. 2,449,504, Sept. 14.
- Anode construction. C. V. Litton. 2,441,971, May 25.
- Anode for electrolytic coating. A. B. Wilson. 2,453,481, Nov. 9.
- Anode for electron discharge devices, Coated. P. D. Williams. 2,447,973, Aug. 24.
- Anode structure for an electron discharge device for ultra high frequencies. P. G. Chevigny. 2,445,763, July 27.
- Anode tube for ionic valves for high-voltage static current converters. U. Lamm. 2,446,600, Aug. 10.
- Anodic cleaning. G. H. Orozco. 2,437,474, Mar. 9.
- Ant feeder. J. B. Rosefield. 2,451,578, Oct. 19.
- Antenna. G. H. Brown. 2,455,403, Dec. 7.
- Antenna. G. H. Brown. 2,455,888, Dec. 7.
- Antenna. L. Buchwalter and G. G. Harvey. 2,455,224, Nov. 30.
- Antenna. F. O. Chesus and F. G. Thomas. 2,454,774, Nov. 30.
- Antenna. A. S. Meier. 2,449,562, Sept. 21.
- Antenna. H. J. Riblet. 2,433,924, Jan. 6.
- Antenna. H. J. Riblet. 2,440,210, Apr. 20.
- Antenna. M. W. Scheldorf. 2,447,879, Aug. 24.
- Antenna, Aircraft. M. Cawein. 2,440,737, May 4.
- Antenna array. H. G. Busignies. 2,444,425, July 6.
- Antenna, Broad band. L. N. Brillouin. 2,454,766, Nov. 30.
- Antenna, Broad-band. J. D. Kraus. 2,452,767, Nov. 2.
- Antenna, Broadcast. P. S. Carter. Re. 23,051, Nov. 23.
- Antenna cap. F. D. Werner. 2,455,286, Nov. 30.
- Antenna connector. R. E. Kester and H. R. Smith.
- Antenna, Dipole. S. A. Schelkunoff. 2,435,609, Feb. 10.
- Antenna, Directive centimetric. A. C. Beck. 2,434,253, Jan. 13.
- Antenna, Directive radio. H. I. Becker. 2,452,349, Oct. 26.
- Antenna disconnecting switch. W. H. Lindae and B. W. Strachan. 2,457,388, Dec. 28.
- Antenna lead-in connector. L. H. Finneburgh, Jr., and T. R. Finke. 2,444,189, June 9.
- Antenna, Mast. R. E. Kester and W. S. Quincy. 2,445,329, July 20.
- Antenna, Microwave. G. E. Mueller. 2,447,768, Aug. 24.
- Antenna mounting. A. Rauch. 2,445,336, July 20.
- Antenna mounting. J. W. Shur. 2,439,061, Apr. 6.
- Antenna mounting. C. A. Trowbridge. 2,454,897, Nov. 30.
- Antenna mounting bracket. J. W. Shur. 2,439,062, Apr. 6.
- Antenna pattern tracer. M. L. Jones. 2,450,283, Sept. 28.
- Antenna reflector system. D. Kinnier. 2,453,751, Nov. 16.
- Antenna-reflector system, Vertical scanning. A. G. Kandorian. 2,454,805, Nov. 30.
- Antenna, Sealed. B. Trevor. 2,451,258, Oct. 12.
- Antenna support and feed through. H. A. Bryers. 2,434,638, Jan. 20.
- Antenna supply phase and amplitude control. W. J. O'Brien. 2,449,174, Sept. 14.
- Antenna system. G. H. Brown. 2,441,615, May 18.
- Antenna system. H. G. Busignies and N. Marchand. 2,448,017, Aug. 31.
- Antenna system. F. O. Chesus and F. G. Thomas. 2,457,126-7, Dec. 28.
- Antenna system. O. M. Woodward, Jr. 2,444,320, June 29.
- Antenna system, Direction finding. G. S. Burroughs. 2,454,768, Nov. 30.
- Antenna system, Directional. W. J. Polydoroff. 2,442,310, May 25.
- Antenna system for defining a blind approach path. L. J. Heaton-Armstrong. 2,434,927, Jan. 27.
- Antenna system for defining glide paths. L. J. Heaton-Armstrong. 2,434,927, Jan. 27.
- Antenna system, Unidirectional. A. Alford and C. B. Watts, Jr. 2,434,893, Jan. 27.
- Antenna, Television receiver. H. Atwood, Jr. 2,440,597, Apr. 27.
- Antenna tuning system, Directional. W. G. H. Finch. 2,451,078, Oct. 12.
- Anthelmintic compositions. J. A. Whiting and D. V. Whitney, Jr. 2,439,532, Apr. 13.
- Anthracene-cake constituents, Separation of. T. H. Insinger, Jr. 2,440,688, May 4.
- Anthrimide carbazole vat dyestuffs. W. Kern, P. Sutter, E. Moergeli, and T. Holbro. 2,453,232, Nov. 9.
- Antianemia vitamin product, Obtaining an. O. D. Bird and S. B. Binkley. 2,450,710, Oct. 5.
- Antibacterial substance and producing it. S. A. Waksman and H. B. Woodruff. 2,443,485, June 15.
- Antibiotic substance from bacillus larvae, Preparing an. E. C. Holst. 2,442,006, May 25.
- Antibiotic substances, Producing. G. W. Rake. O. Wintersteiner. H. B. MacPhillamy, and C. M. McKee. 2,443,962, June 22.
- Antibodies, Production of. A. F. Coca. 2,454,752, Nov. 23.
- Antidiabetic substance from pancreas, Extracting. C. L. Lautenschlager and F. Lindner. 2,449,076, Sept. 14.
- Antifouling device. I. M. Taylor. 2,435,986, Feb. 17.
- Antifriction bearing assemblies, Making. G. F. Johnson. 2,449,942, Sept. 21.
- Antifriction bearing mounting. R. M. Beatty. 2,435,067, Jan. 27.
- Antifriction bearings, Making. G. F. Johnson. 2,449,943, Sept. 21.
- Antiground-loop brake. H. L. McPherson. 2,435,048, Jan. 27.
- Antihunting motor control circuit. R. F. Wild and L. B. Cherry. 2,457,792, Dec. 28.
- Antidetonating device. G. M. Bicknell. Re. 22,994, Apr. 20.
- Antifriction bearing. M. W. Huber. 2,440,444, Apr. 27.
- Antidote for heavy metal poisoning. A. H. Corwin, G. R. Jackson, and J. L. A. Webb. 2,441,396, May 11.
- Anti-icer, Propeller. E. D. Eaton. 2,444,557, July 6.
- Antirattler for window sashes. M. Erbach. 2,446,912, Aug. 10.
- Antiseize and sealing composition. R. C. Fuhrman. 2,448,090, Aug. 31.
- Antiskid device. C. Q. Snedeker. 2,434,017, Jan. 6.
- Antiskid tire chain. G. Everline. 2,436,715, Feb. 24.
- Antioxi-dant. C. I. Jarowski. 2,455,256, Nov. 30.
- Antioxi-dant. W. I. Patterson and M. B. Williamson. 2,455,088, Nov. 30.
- Antioxi-dant composition of the acidic type, Synergistic. R. W. Riemenschneider and J. Turer. 2,440,383, Apr. 27.
- Antioxi-dant from rice bran, Preparing an. C. I. Jarowski, E. T. Stiller, and M. B. Williamson. 2,455,255, Nov. 30.
- Antioxi-dants. C. I. Jarowski and E. T. Stiller. 2,455,254, Nov. 30.
- Antioxi-dants for mineral oil lubricants and compositions containing the same. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,454,890, Nov. 30.
- Antiparaffin sucker rod. W. R. Crall. 2,453,199, Nov. 9.
- Antirattle device for windows. J. F. Vinciguerra and W. C. Ford. 2,455,537, Dec. 7.
- Antirattle device for windows and the like. J. B. Benson. 2,440,887, May 4.
- Antirattling device for antenna masts. R. J. Scott. 2,456,330, Dec. 14.
- Antiseptic composition, Color changing. F. C. Dohrmann. 2,451,022, Oct. 12.
- Antiskid chain. E. P. Harold. 2,450,042, Sept. 28.
- Antiskid chain. A. Peterson. 2,457,068, Dec. 21.
- Antiskid cross chain. W. A. Miller and R. E. Gerspacher. 2,451,761, Oct. 19.
- Antiskid device. H. R. Ansel. 2,441,656, May 18.
- Antiskid device. R. J. Burkhardt. 2,452,831, Nov. 2.
- Antiskid device. F. J. Daley. 2,442,322, May 25.
- Antiskid device. M. T. Masure. 2,441,429, May 11.
- Antiskid device. C. E. Varner. 2,456,544, Dec. 14.

- Antiskid device. E. H. Zimmer. 2,453,611, Nov. 9.
- Antiskid device for tires. C. Sadowsky. 2,455,878, Dec. 7.
- Antiskid device for vehicle tires. J. A. Morrone. 2,441,670, May 18.
- Antiskid device, Tire. L. L. Liggio. 2,440,863, May 4.
- Antiskid tire clamp. D. Younglove. 2,449,033, Sept. 7.
- Antiskid vehicle frame. M. C. Lubcke. 2,453,445, Nov. 9.
- Antisurge steam generating apparatus. F. Arant. 2,442,281, May 25.
- Antisweat compositions. F. E. Trent and A. E. Burns, Jr. 2,442,911, June 8.
- Apparatus and method for flanging metal-clad fibrous base panels. G. H. Norquist. 2,439,397, Apr. 13.
- Apparatus and method for making artificial yarn and silver. P. H. Slaughter. 2,443,200, June 15.
- Apparatus and method for rectifying and projecting aerial photographs. M. Zwilling and S. G. Hall. 2,448,568, Sept. 7.
- Apparatus and method for seismographic exploration shooting. J. D. Williams. 2,450,366, Sept. 28.
- Apparatus and method for softening sanitary napkin pads. O. T. Thompson and D. D. Feagles. 2,439,761, Apr. 13.
- Apparatus and process for hydrocarbon conversion. J. A. Guyer. 2,450,753, Oct. 5.
- Apparatus and process for testing materials. P. W. Gumaer. 2,452,122, Oct. 26.
- Apparatus and process for the cultivation of microorganisms. S. B. Levin. 2,439,572, Apr. 13.
- Apparatus and system for electric control purposes. W. Schaelchlin and K. Mahnke. 2,454,216, Nov. 16.
- Apparatus employing cavity resonators. L. S. Nergaard. 2,445,236, July 13.
- Apparatus for adding one liquid to another. W. Smalley. 2,438,327, Mar. 23.
- Apparatus for aerating granular material. A. G. Granath. 2,447,575, Aug. 24.
- Apparatus for aligning preengraved projectiles in rifled firearms. C. W. Musser. 2,456,011, Dec. 14.
- Apparatus for alkylation. E. J. Fisher, W. B. Franklin, and D. A. Smith. 2,453,837, Nov. 16.
- Apparatus for analyzing data on cards. A. A. Twichell. 2,445,011, July 13.
- Apparatus for and method of electroforming of rectifier elements. W. E. Riecken. 2,440,297, Apr. 27.
- Apparatus for and method of forming sheet material. G. W. Borkland. 2,442,338, June 1.
- Apparatus for and method of measuring or indicating limb or digital volume changes resulting from arterial pulsations. D. M. Speaker and J. B. Hersh. 2,452,799, Nov. 2.
- Apparatus for and method of treating food products. J. J. Hoffman. 2,456,124, Dec. 14.
- Apparatus for ageing solutions of colloidal material. R. H. K. Thomson and W. Sever. 2,435,416, Feb. 3.
- Apparatus for airfoils, Ice removing. J. O. Antonson. 2,440,533, Apr. 27.
- Apparatus for aircraft, Landing and launching. J. H. Brodie. 2,435,197, Feb. 3.
- Apparatus for applying insulation. J. C. Moore. 2,437,831, Mar. 16.
- Apparatus for applying liquid size to pottery ware. W. J. Miller. 2,450,438, Oct. 5.
- Apparatus for applying metal cases to bricks. C. I. Young. 2,457,766, Dec. 28.
- Apparatus for applying plastic materials to bands. C. W. Leguillon. 2,445,677, July 20.
- Apparatus for applying powdered metal briquets to curved metallic surfaces. S. K. Wellman. 2,434,237, Jan. 6.
- Apparatus for applying tags to articles. P. H. Burton. 2,440,040, Apr. 20.
- Apparatus for arc welding. V. Peters. 2,441,507, May 11.
- Apparatus for arranging, gauging, and assorting articles according to size. W. F. Aller. 2,448,652, Sept. 7.
- Apparatus for assembling parts of electron discharge devices. P. P. Derby and W. M. Robertson. 2,445,766, July 27.
- Apparatus for attaching heels to shoes. E. F. Small. 2,449,333, Sept. 14.
- Apparatus for attaching shoe soles to uppers. O. da C. Schmidt and S. A. Condella. 2,440,788, May 4.
- Apparatus for automatic control of heat input to stillpots. E. H. Epprecht. 2,455,243, Nov. 30.
- Apparatus for automatically bending work such as tubing into serpentine coils. R. M. Shaw, Jr. 2,453,868, Nov. 16.
- Apparatus for automatically controlling duration of electrical current. R. V. Anderson. 2,452,537, Nov. 2.
- Apparatus for balancing rotors. H. D. Oakley. 2,451,863, Oct. 19.
- Apparatus for bending glass. O. H. Paddock and J. P. Pearse. 2,452,488, Oct. 26.
- Apparatus for bending glass. J. P. Pearse and W. P. Bamford. 2,450,297, Sept. 28.
- Apparatus for bending hard glass fiber sheets. P. H. Esbjornson. 2,446,413, Aug. 3.
- Apparatus for bending metal strips edgewise in making helical fins. E. Bruegger. 2,437,500, Mar. 9.
- Apparatus for bending work such as tubing into serpentine coils. A. W. Payne. 2,454,290, Nov. 23.
- Apparatus for beneficiating nonmagnetic ores to render them magnetic. C. F. Ramseyer. 2,441,594, May 18.
- Apparatus for boiling out cloth. S. Converse and H. A. Woodhead, Jr. 2,441,991, May 25.
- Apparatus for breaking and making emulsions. C. E. and A. P. North. 2,455,945, Dec. 14.
- Apparatus for bonding wear-resistant facing elements to machine elements. H. F. Storm. 2,448,690, Sept. 7.
- Apparatus for broad-band radio transmission. R. V. Pound. 2,446,982, Aug. 10.
- Apparatus for building tires. W. J. Breth. 2,455,038, Nov. 30.
- Apparatus for building tires. L. C. Frazier. 2,440,662, Apr. 27.
- Apparatus for burning liquid fuel in the presence of gas under pressure. D. C. Breault. 2,452,543, Nov. 2.
- Apparatus for burning liquid fuels. A. Clarkson. 2,445,302, July 13.
- Apparatus for calibrating fluid pressure gauges. F. D. Burns. 2,446,740, Aug. 10.
- Apparatus for catalytic conversion of hydrocarbon vapors. C. S. Reed and A. H. Schutte. 2,448,549, Sept. 7.
- Apparatus for cathoretically treating a liquid suspension. H. F. Fisher. 2,441,479, May 11.
- Apparatus for causation and prevention of collisions. G. Muffy. 2,457,393, Dec. 28.
- Apparatus for checking the external diameters of annular objects. T. J. Kavanagh. 2,448,314, Aug. 31.
- Apparatus for chloridizing aluminum-base alloys. A. A. Smith, Jr., and R. A. Quadt. 2,447,672, Aug. 24.
- Apparatus for cleaning metal articles and the like by liquid dip agitation. M. C. Boss. 2,442,675, June 1.
- Apparatus for clearing mine fields. A. R. Williams. 2,442,390, June 1.
- Apparatus for coating cylindrical surfaces. W. C. Huebner. 2,446,476, Aug. 3.
- Apparatus for coating fiber insulation board. C. G. Muench. 2,450,681, Oct. 5.
- Apparatus for coating metal sheets. F. E. Fairley, L. T. Lindquist, C. D. Michaels, and H. C. Rodgers. 2,446,697, Aug. 10.
- Apparatus for coating paper. W. Barrett. 2,457,433, Dec. 28.
- Apparatus for coating the inside surfaces of tubular vitreous envelopes. A. H. Laidig and F. T. May. 2,449,783, Sept. 21.
- Apparatus for coating the threaded portion of bushings and nuts. J. H. Lepperhoff. 2,455,129, Nov. 30.
- Apparatus for coating tubes. H. A. Leet and C. W. Sectish. 2,444,572, July 6.
- Apparatus for coiling thermoplastic material. O. C. Wilson and P. S. Britton. 2,450,324, Sept. 28.
- Apparatus for collecting liquid sediments. N. Ferraez, Jr. 2,435,578, Feb. 10.
- Apparatus for compressing highly reactive gases. S. G. Osborne. 2,452,526, Oct. 26.
- Apparatus for compacting and packaging materials. D. Ray. 2,454,477, Nov. 23.
- Apparatus for condensing zinc vapor. E. C. Handwerk and G. T. Mahler. 2,457,549, Dec. 28.
- Apparatus for conditioning metal bodies. A. J. Miller and I. P. Thompson. 2,447,081, Aug. 17.
- Apparatus for conducting endothermic catalytic conversions. C. J. Helmers. 2,443,423, June 15.
- Apparatus for conducting reactions in the presence of a contact mass. E. Utterback, E. L. Sinclair, and J. A. Crowley, Jr. 2,457,098, Dec. 21.
- Apparatus for contacting gases with particle form solid material. T. P. Simpson. 2,446,986, Aug. 10.
- Apparatus for contacting solids and gaseous fluids. E. J. Gohr, H. Z. Martin, and C. W. Tyson. 2,449,601, Sept. 21.
- Apparatus for contacting solids with gaseous fluids. H. J. Ogorzaly and W. P. Lakin. 2,436,225, Feb. 17.
- Apparatus for contacting solids with gaseous reactants. J. A. Crowley, Jr. 2,451,924, Oct. 19.
- Apparatus for continuous fermentation. F. Victorero. 2,450,218, Sept. 28.
- Apparatus for continuously determining thickness and hardness of metallic strip. C. M. O'Hara. 2,441,283, May 11.
- Apparatus for continuously drawing elongated products. W. A. Morton and T. H. Sloan. 2,438,448, Mar. 23.
- Apparatus for continuously processing strips. F. K. Scheff. 2,448,835, Sept. 7.
- Apparatus for contouring metal. N. O. Brantly. 2,439,234, Apr. 6.
- Apparatus for control of highway crossing gates. C. L. Goodlin. 2,435,824, Feb. 10.
- Apparatus for controlling centrifugal formation of sheet material. R. S. Ames, M. P. Peterson and J. C. Feldscher. 2,454,116, Nov. 16.
- Apparatus for controlling introduction of supplementary antiknock fuel mixtures. D. E. Anderson. 2,444,179, June 29.
- Apparatus for controlling pressure bands. G. D. Marcy. 2,439,779, Apr. 13.
- Apparatus for controlling rotation of vehicle wheels. B. M. Tuxhorn. 2,451,453, Oct. 12.
- Apparatus for controlling selective delivery of fluid from a continuous delivery source to a fluid-driven motor. J. F. Ziskal and W. O. Bechman. 2,451,013, Oct. 12.
- Apparatus for controlling the electric heating of continuous metallic articles. E. E. Vonada and W. E. Winterhalter. 2,436,027, Feb. 17.
- Apparatus for conversion of hydrocarbons. T. P. Simpson and L. P. Evans. 2,457,093, Dec. 21.

- Apparatus for converting fuels from liquid to gaseous state. T. J. Vaughn and B. O. Morgan. 2,445,502, July 20.
- Apparatus for converting intermittent power to continuous power. R. E. Hays. 2,454,058, Nov. 16.
- Apparatus for converting liquids into gases and for dispensing the gases. A. Cibulka. 2,443,724, June 22.
- Apparatus for converting pairs of time modulated pulses into pulses of variable duration. D. M. Ambrose. 2,434,894, Jan. 27.
- Apparatus for converting reciprocal vertical motion into rotary motion. A. A. Morton. 2,434,004, Jan. 6.
- Apparatus for conveying and assorting poultry according to weight. S. S. Barker. 2,435,706, Feb. 10.
- Apparatus for conveying and sorting headed articles in accordance with length of shank. O. C. and H. O. Niederer. 2,435,635, Feb. 10.
- Apparatus for cooking resins. W. A. Mitchell. 2,445,919, July 27.
- Apparatus for cooling bottled beverages. F. M. Lambert. 2,453,667, Nov. 9.
- Apparatus for cooling compressed gases. M. H. Olstad and A. E. Williams. 2,454,883, Nov. 30.
- Apparatus for cooling or attenuating oil or other liquid. R. J. Wareing. 2,447,970, Aug. 24.
- Apparatus for cooling or conditioning air or other fluids. R. J. Kenny. 2,440,446, Apr. 27.
- Apparatus for cooling sewing-machine needles. A. J. Giglio. 2,457,362, Dec. 28.
- Apparatus for cooling the interiors of containers. H. W. Kleist. 2,449,127, Sept. 14.
- Apparatus for coordinating the operating rate of forming thread with the drawing thereof. A. H. Burkholder. 2,454,731, Nov. 23.
- Apparatus for counting the revolutions of a shaft after discontinuance of power. O. C. McNairn. 2,447,588, Aug. 24.
- Apparatus for creping paper. A. H. Wood. 2,447,784, Aug. 24.
- Apparatus for crush dressing grinding wheels. J. C. Wilson. 2,456,762, Dec. 21.
- Apparatus for curing pneumatic tires. T. A. Te Grotenhuis. 2,451,992, Oct. 19.
- Apparatus for cutting and impressing substances. C. and H. H. Doering, E. W. Anderson, and B. J. Skoglund. 2,441,757, May 18.
- Apparatus for cutting material. V. A. Rayburn. 2,436,179, Feb. 17.
- Apparatus for cutting the bevel on hull planking. B. Aas. 2,437,236, Mar. 9.
- Apparatus for cutting wires and forming and attaching a sleeve thereto. E. Sirp. 2,438,023, Mar. 16.
- Apparatus for decorating articles. W. J. Miller, L. P. Reese, and G. J. Croninger. 2,447,521, Aug. 24.
- Apparatus for dehumidifying air. W. H. Freygang. 2,438,120, Mar. 23.
- Apparatus for dehydration of oil. L. C. Manning. 2,439,177, Apr. 6.
- Apparatus for deoxidizing metal sheet edge portions. A. L. Kronquest. 2,450,669, Oct. 5.
- Apparatus for depositing material in well holes. J. D. Haynes. 2,453,068, Nov. 2.
- Apparatus for desiccation. O. Bieber. 2,451,316, Oct. 12.
- Apparatus for detecting and locating enemy vessels. C. B. Ferrel. 2,448,787, Sept. 7.
- Apparatus for detecting flaws in suspended pipe, Electromagnetic. W. H. Stewart and J. W. Millington. 2,435,985, Feb. 17.
- Apparatus for detecting imperfections in filamentary materials. A. C. Frankwisch. 2,446,647, Aug. 10.
- Apparatus for detecting imperfections in filamentary materials. P. R. Powell. 2,434,864, Jan. 20.
- Apparatus for detecting imperfections in insulating materials. D. E. Stearns. 2,436,615, Feb. 24.
- Apparatus for detecting perforations in ammunition flash tubes. L. Meister. 2,453,720, Nov. 16.
- Apparatus for detecting the presence and position of an invisible body by infrared radiation. W. Sackville. 2,454,841, Nov. 30.
- Apparatus for detecting variations in load impedances. W. S. Duttera. 2,449,739, Sept. 21.
- Apparatus for determining balance in an electrical network. A. W. Jacobson and E. M. Whitney. 2,438,288, Mar. 23.
- Apparatus for determining electrical axis of quartz crystals. H. Berman. 2,445,132, July 13.
- Apparatus for determining fuze setting data. G. E. White, D. J. Campbell, A. A. Hauser, and T. R. Greene. 2,442,792, June 8.
- Apparatus for determining the mechanical behavior of metals under test, Testing. M. J. Manjoine. 2,436,317, Feb. 17.
- Apparatus for determining the relative differences of speed of two rotary elements. J. Sallés. 2,437,048, Mar. 2.
- Apparatus for determining the wall building properties of well drilling fluids. V. B. Zacher. 2,443,781, June 22.
- Apparatus for determining the weight and center of gravity of vehicles. W. W. H. Dean. 2,443,098, June 8.
- Apparatus for dimpling sheet metal stock. A. A. Schwartz. 2,453,762, Nov. 16.
- Apparatus for dispensing liquid fuel. A. H. Rosenthal. 2,453,595, Nov. 9.
- Apparatus for dispersing gases in liquids. R. E. Gunther. 2,448,590, Sept. 7.
- Apparatus for disseminating weather information. J. B. Anderson. 2,455,209-10, Nov. 30.
- Apparatus for diverting mineral wool from blow rooms. H. R. Harner, R. L. Lindemuth, and A. L. Jones. 2,450,511, Oct. 5.
- Apparatus for dressing involute profiles. J. J. Osplack. 2,434,810, Jan. 20.
- Apparatus for dressing bullion. E. P. Fleming and D. H. McIntosh. 2,434,105, Jan. 6.
- Apparatus for dry sump lubrication of engines. E. A. Mori. 2,456,886, Dec. 21.
- Apparatus for drying and conditioning sulfate of ammonia and other granular and crystalline products. G. Royston. 2,444,406, June 29.
- Apparatus for drying and cooling fabrics. H. Hibbert. 2,441,357, May 11.
- Apparatus for drying cloth with air. H. J. Walter and P. R. Rose. 2,440,648, Apr. 27.
- Apparatus for drying finely divided materials while suspended in a gas. R. A. Caughey. 2,456,674, Dec. 21.
- Apparatus for drying foundry molds. C. A. Barnett and J. M. Beyvl. 2,453,400, Nov. 9.
- Apparatus for drying hair with liquefied gas. E. R. Elder. 2,441,138, May 11.
- Apparatus for drying thread by conduction. R. W. Stanley. 2,440,159, Apr. 20.
- Apparatus for drying with liquefied gas. E. R. Elder. 2,443,610, June 22.
- Apparatus for dustless treating of material. F. E. Styner. 2,444,383, June 29.
- Apparatus for dyeing and treating cloth. S. Converse. 2,441,992, May 25.
- Apparatus for edge-gluing strip elements. P. H. Bilhuber. 2,453,185, Nov. 9.
- Apparatus for effecting a predetermined rate of specimen strain. W. D. MacGeorge. 2,445,683, July 20.
- Apparatus for effecting heat exchange between a gas and a liquid. T. Woodward. 2,434,976, Jan. 27.
- Apparatus for electric generator current control and voltage regulation. H. E. Merrifield. 2,448,068, Aug. 31.
- Apparatus for electric resistance heating of moving metallic strips. G. P. Wilson, L. W. McNair, and W. D. Waters. 2,445,866, July 27.
- Apparatus for electrically testing material. T. T. Goldsmith, Jr., and E. R. Mann. 2,435,680, Feb. 10.
- Apparatus for electrolytically determining the thickness of metal coatings. W. S. Herbert and H. T. Francis. 2,457,234, Dec. 28.
- Apparatus for electroplating rings and discs. H. M. Bell, III. 2,438,885, Apr. 6.
- Apparatus for electrophoretic separation of solids from liquids. H. F. Fisher and A. C. Peck. 2,440,504, Apr. 27.
- Apparatus for electrostatic separation of material particles. B. Horsfield. 2,456,279, Dec. 14.
- Apparatus for electrostatically coating articles. H. P. Ransburg. 2,446,953, Aug. 10.
- Apparatus for embedding simultaneously a plurality of tissues for histological purposes. J. Tannenbergl. 2,437,713, Mar. 16.
- Apparatus for engraving tombstones and the like. W. H. Thompson. 2,450,401, Sept. 28.
- Apparatus for evaporative cooling of liquids. A. E. Williams. 2,445,199, July 13.
- Apparatus for examining living tissue. W. F. Greenwald. 2,437,916, Mar. 16.
- Apparatus for exposing and processing photographic film. E. E. Garrett. 2,451,820, Oct. 19.
- Apparatus for exposing and processing photographic film. E. H. Land. 2,435,720, Feb. 10.
- Apparatus for exposing and processing photographic film. E. H. Land. 2,455,125-6, Nov. 30.
- Apparatus for extinguishing fires. H. V. Williamson. 2,450,537, Oct. 5.
- Apparatus for extracting oil-free juices. R. B. McKinnis. 2,444,203, June 29.
- Apparatus for extracting vegetable oil. L. L. Ford. 2,451,681, Oct. 12.
- Apparatus for extrusion molding of plastic articles. S. Myerson. 2,456,141, Dec. 14.
- Apparatus for facing and truing abrasive articles. E. P. Dahlstrom. 2,439,771, Apr. 13.
- Apparatus for feeding and orienting articles. E. A. Krueger. 2,440,959, May 4.
- Apparatus for feeding clay to molds in the manufacture of pottery dinnerware. W. J. Miller. 2,444,943, July 13.
- Apparatus for feeding fuel cables to furnaces. S. Rogow. 2,438,375, Mar. 23.
- Apparatus for feeding glass. A. W. Schmid. 2,448,915, Sept. 7.
- Apparatus for felting fibrous glass. G. Slayter. 2,457,784, Dec. 28.
- Apparatus for filling containers. L. Nusbaum. 2,441,204, May 11.
- Apparatus for filling containers. F. P. Yoars. 2,451,011, Oct. 12.
- Apparatus for filling containers employing vacuum and mechanical feeders. C. F. Carter. 2,443,182, June 16.
- Apparatus for flowing viscous liquids including a by-pass between a pump outlet and the liquid chamber. G. S. Pyles. 2,443,146, June 8.

- Apparatus for fluid-treating lengthy material. J. H. Ramsey. 2,438,374, Mar. 23.
- Apparatus for flushing foreign matter from bearings. D. G. Roos. 2,439,187, Apr. 6.
- Apparatus for forging. W. F. Bober and F. E. Sebring. 2,449,365, Sept. 14.
- Apparatus for forming a section of casing below casing already in position in a well hole. V. J. Beissinger and G. D. Johnson. 2,447,629, Aug. 24.
- Apparatus for forming and preheating slugs of moldable material. W. S. Renier. 2,448,277, Aug. 31.
- Apparatus for forming and sizing ring shaped articles from metal blanks. E. Sirp. 2,442,908, June 8.
- Apparatus for forming axle bearings. L. J. Lyons. 2,437,107, Mar. 2.
- Apparatus for forming container heads. R. H. Van Saun. 2,434,375, Jan. 13.
- Apparatus for forming films and coatings. C. S. Francis, Jr. 2,439,802, Apr. 20.
- Apparatus for forming filter elements and the like. V. Sager. 2,454,213, Nov. 16.
- Apparatus for forming fur filled yarn. M. H. Siegel and F. Sonin. 2,451,881, Oct. 19.
- Apparatus for forming gel into beads. J. W. Payne. 2,446,783, Aug. 10.
- Apparatus for forming glass beads and the like articles. A. Gruenwald. 2,456,697, Dec. 21.
- Apparatus for forming glass beads on metallic elements. J. S. Stull. 2,439,437, Apr. 13.
- Apparatus for forming grinding wheels. D. E. Mulholland. 2,449,407, Sept. 14.
- Apparatus for forming groups of die castings. L. H. Morin. 2,446,056, July 27.
- Apparatus for forming hollow articles of organic plastic material. W. H. Kopitke. 2,457,687, Dec. 28.
- Apparatus for forming hollow glassware. H. R. Schutz. 2,450,995, Oct. 12.
- Apparatus for forming irrigation mounds. G. C. Deakins. 2,455,566, Dec. 7.
- Apparatus for forming mineral wool mats. H. T. Coss and E. R. Powell. 2,450,916, Oct. 12.
- Apparatus for forming molds for centrifugal casting and centrifugally casting products. L. L. Johnston. 2,449,900, Sept. 21.
- Apparatus for forming solidified particles from molten material. H. L. Klein and J. L. Courtright. 2,439,776, Apr. 13.
- Apparatus for forming terminal ends of coils. J. S. Stull. 2,456,223, Dec. 14.
- Apparatus for forming welding tapes. F. C. Knight and J. R. Pierce. 2,444,262, June 29.
- Apparatus for free-blowing thermoplastic material. R. S. Ames, R. W. McCullough, and M. P. H. Peterson. 2,440,499, Apr. 27.
- Apparatus for freezing and storing foods. C. A. Baker. 2,444,489, July 6.
- Apparatus for grinding. F. G. Krafft. 2,457,383, Dec. 28.
- Apparatus for grinding bushings on centerless grinders. E. W. Buebel. 2,443,719, June 22.
- Apparatus for grinding crystals and the like. H. M. Bach. 2,435,118, Jan. 27.
- Apparatus for grinding the surfaces of grooved rolls. H. A. Thorngren. 2,444,793, July 6.
- Apparatus for guiding and threading fibers. W. F. Holt-schulte and S. D. Philipps. 2,457,777, Dec. 28.
- Apparatus for handling aircraft cargo. G. O. Noville. 2,441,367, May 11.
- Apparatus for handling bread. J. Mac Manus. 2,445,884, July 27.
- Apparatus for handling loads. J. H. Kemp, Jr. 2,451,226, Oct. 12.
- Apparatus for handling material. L. B. Gilchrist. 2,454,055, Nov. 16.
- Apparatus for handling mattresses. F. E. Kalning and R. E. Mathewson. 2,444,776, July 6.
- Apparatus for handling metal sheets. C. A. Larkin. 2,456,004, Dec. 14.
- Apparatus for handling rolls of flexible sheet material. A. T. Lewis. 2,449,945, Sept. 21.
- Apparatus for handling viscose solutions. H. O. Davidson. 2,439,619, Apr. 13.
- Apparatus for heat-treating metal parts. H. F. Strom. 2,455,822, Dec. 7.
- Apparatus for heating ceramics. J. M. Middleton. 2,454,708, Nov. 23.
- Apparatus for heating dielectric materials. J. R. Boettler and R. Burns. 2,443,594, June 22.
- Apparatus for heating oil wells and pumping oil therefrom. R. M. Steffen. 2,444,754, July 6.
- Apparatus for heating sensitive materials. R. E. Meade and J. F. Crews. 2,439,260, Apr. 6.
- Apparatus for high-frequency induction heating. H. F. Strom. 2,452,801, Nov. 2.
- Apparatus for high-speed welding of thermoplastic films. J. P. Graham and H. L. Hearn. 2,457,659, Dec. 28.
- Apparatus for homogenizing mixed liquid ingredients. J. B. McFadden. 2,441,711, May 18.
- Apparatus for hot sawing. T. Wilson. 2,452,343, Oct. 26.
- Apparatus for immersing edge portions of black plate in successive treating baths. W. M. Tomkins, A. C. Larkin, J. C. Anthony, O. K. Ross, and R. M. Mero. 2,452,879, Nov. 2.
- Apparatus for improving the durability of optical coatings. E. W. Kellogg. 2,456,708, Dec. 21.
- Apparatus for increasing the efficiency of internal-combustion engines. J. H. Kriek. 2,442,696, June 1.
- Apparatus for indenting characters in medals and the like. F. E. Curtis. 2,438,271, Mar. 23.
- Apparatus for indicating pressure at a distance. F. T. Linstrom. 2,439,092, Apr. 6.
- Apparatus for indicating the available seating accommodation at places of entertainment. R. A. Fletcher and L. H. Bevan. 2,453,838, Nov. 16.
- Apparatus for induction heat-treating of work pieces. P. Unterweiser. 2,440,316, Apr. 27.
- Apparatus for injecting liquid chemicals into a flowing stream. G. Smilie. 2,445,540, July 20.
- Apparatus for injection molding. J. R. Fisher, Jr. 2,436,993, Mar. 2.
- Apparatus for inserting valve elements. E. E. Martin. 2,438,642, Mar. 30.
- Apparatus for inspecting moving transparent objects. H. H. Marshall. 2,446,377, Aug. 3.
- Apparatus for inspecting sheet material. T. P. Pajak. 2,453,338, Nov. 9.
- Apparatus for inspection of articles by means of X-ray photographs. W. J. Daly. 2,456,816, Dec. 21.
- Apparatus for inspection of sheet and other materials, Ultra high frequency. C. L. Liskow. 2,457,695, Dec. 28.
- Apparatus for instantaneously indicating on an oscilloscope screen the absorption spectrum of a substance. J. J. Heigl and J. A. Wilson. 2,437,323, Mar. 9.
- Apparatus for intravenous administration of liquids. M. R. Fields. 2,452,644, Nov. 2.
- Apparatus for irrigating cavities and passages of the body. R. A. Van Hasbroeck. 2,442,278, May 25.
- Apparatus for internal-combustion engines, Control. M. E. Chandler. 2,437,377, Mar. 9.
- Apparatus for interpretation of spectrum analysis data represented by a curve. C. T. and J. R. Shewell. 2,442,098, May 25.
- Apparatus for introduction of antiknock fuel mixture. N. E. Waag and D. E. Anderson. 2,441,301, May 11.
- Apparatus for lacquer coating side seams of can bodies. R. A. Larson. 2,455,785, Dec. 7.
- Apparatus for lasting footwear. J. S. Kamborian. 2,438,917, Apr. 6.
- Apparatus for launching rockets from airplanes. L. S. Macdonald. 2,440,723, May 4.
- Apparatus for laundering clothes and the like. T. D. Reeve. 2,442,277, May 25.
- Apparatus for laying roll roofing. E. W. Ankney. 2,439,681, Apr. 13.
- Apparatus for lifting and supporting rim-equipped tires. C. E. Branick. 2,448,414, Aug. 31.
- Apparatus for lifting massive objects. W. H. Jameson and E. L. Durkee. 2,449,781, Sept. 21.
- Apparatus for lining brakes. A. R. Friberg. 2,444,191, June 29.
- Apparatus for loading freight or the like. S. M. Nampa. 2,454,473, Nov. 23.
- Apparatus for loading, stowing, and unloading vessels. G. L. Hurst. 2,448,373, Aug. 31.
- Apparatus for magnifying the images of television screens. J. S. Dougherty. 2,449,886, Sept. 21.
- Apparatus for maintaining optimum conditions in gaseous mediums. J. L. Turner. 2,448,403, Aug. 31.
- Apparatus for making a graphic record of a succession of similar operations by a machine. L. G. Vogel. 2,440,647, Apr. 27.
- Apparatus for making artificial teeth. H. Kohrman. 2,439,138, Apr. 6.
- Apparatus for making brushes. J. A. Openshaw. 2,442,661, June 1.
- Apparatus for making building units. J. A. Scharwath. 2,457,070, Dec. 2.
- Apparatus for making convolute wound tubing. B. Bogoslawsky. 2,442,948, June 8.
- Apparatus for making convolute wound tubing from sheet material. B. Bogoslawsky. 2,440,390, Apr. 27.
- Apparatus for making cores of magnetic material for electromagnetic coils. M. C. Gauthier. 2,434,692, Jan. 20.
- Apparatus for making glass film. G. Slayter and H. Snow. 2,457,785, Dec. 28.
- Apparatus for making hollow plastic articles. C. Scheuer. 2,449,512, Sept. 14.
- Apparatus for making metal powder. W. Zebroski. 2,440,531, Apr. 27.
- Apparatus for making molds. H. J. Pattison. 2,435,507, Feb. 3.
- Apparatus for making pattern mirrors and other coatings. W. L. Morgan. 2,453,582, Nov. 9.
- Apparatus for making pipe bends. S. F. Kitlica. 2,442,325, May 25.
- Apparatus for making plastic masses. W. S. Bohlman and D. S. Bruce. 2,453,404, Nov. 9.
- Apparatus for making sponge rubber articles. G. W. Blair, W. J. Clayton, E. H. Clark, J. F. Schott, and A. W. Keen. 2,441,235, May 11.
- Apparatus for making transmission cables. C. A. Arens. 2,444,001, June 22.
- Apparatus for making tubs or the like. R. M. Chesney. 2,450,937, Oct. 12.
- Apparatus for making variegated hard surface covering. V. Spencer. 2,434,292, Jan. 13.
- Apparatus for manifesting acceleration. R. Mayne. 2,440,342, Apr. 27.

- Apparatus for manufacture of carbon black. W. B. Wiegand and H. A. Braendle. 2,440,423, Apr. 27.
- Apparatus for manufacture of coated webs. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,457,256, Dec. 28.
- Apparatus for manufacture of spheroidal particles. H. G. Daley, J. W. Payne, and E. L. Sargent. 2,446,784, Aug. 10.
- Apparatus for manufacturing and filling capsules. K. Posner. 2,449,139, Sept. 14.
- Apparatus for manufacturing finned tubes. J. W. Brown, Jr. 2,449,840, Sept. 21.
- Apparatus for manufacturing footwear utilizing sub-assemblies and applying the same directly to the lasts. E. F. Vacin. 2,443,877, June 22.
- Apparatus for massaging portions of the body. L. A. Casnati. 2,441,868, May 18.
- Apparatus for measuring a condition on a rotating member. G. Q. Decker, 3rd, and E. C. Capuzzi. 2,447,566, Aug. 24.
- Apparatus for measuring density of a thixotropic fluid. W. E. Barnes. 2,451,604-5, Oct. 19.
- Apparatus for measuring force exerted by a resilient annulus. R. J. S. Pigott and P. G. Exline. 2,448,735, Sept. 7.
- Apparatus for measuring short time intervals. H. J. Kurtz. 2,444,935, July 13.
- Apparatus for measuring the state of compression of a liquid in a liquid vapor phase system. A. A. Markson and R. R. Donaldson. 2,444,358, June 29.
- Apparatus for measuring turbidity photoelectrically. M. C. Miller. 2,436,262, Feb. 17.
- Apparatus for measuring wall thickness of propeller blades. D. J. Davis. 2,453,306, Nov. 9.
- Apparatus for melting and casting glass. J. F. G. Hicks and C. F. Henkel. 2,451,086, Oct. 12.
- Apparatus for melting glass. G. Slayter. 2,455,907, Dec. 7.
- Apparatus for melting plastic compositions. W. F. Middlestadt. 2,439,367, Apr. 6.
- Apparatus for milling. P. H. Fassnacht. 2,436,960, Mar. 2.
- Apparatus for mixing. M. P. Hofmann. 2,435,216, Feb. 3.
- Apparatus for mixing. M. P. Hofmann. 2,445,617, July 20.
- Apparatus for molding. P. A. Norris. 2,445,405, July 20.
- Apparatus for mixing drilling mud. J. I. Sloan. 2,453,465, Nov. 9.
- Apparatus for mixing dry and liquid materials and loading into containers. J. P. Wilson, H. T. Lewis, Jr., and D. C. Glassford. 2,437,216, Mar. 2.
- Apparatus for mixing powdered material. T. E. and T. Shaw. 2,441,774, May 18.
- Apparatus for molding articles. S. E. Brillhart and L. V. Mosher. 2,441,988, May 25.
- Apparatus for molding articles. S. M. Martin. 2,454,193, Nov. 16.
- Apparatus for molding articles from plastic material. C. W. Leguillon, G. L. Matthias, and E. Herzog. 2,442,607, June 1.
- Apparatus for molding articles of wax. R. E. Christian. 2,439,506, Apr. 13.
- Apparatus for molding concrete walls. P. Y. K. Howat. 2,451,951, Oct. 19.
- Apparatus for molding cored articles of organic plastic material. C. S. Dewey, Jr. 2,436,065, Feb. 17.
- Apparatus for molding dentures. C. E. Galley. 2,442,847, June 8.
- Apparatus for molding plastics. P. De Mattia. 2,443,554, June 15.
- Apparatus for molding plastic articles. T. Wachs and J. M. Shutt. 2,435,170, Jan. 27.
- Apparatus for molding rubber and plastic materials. E. S. Long. 2,452,382, Oct. 26.
- Apparatus for molding pipe coverings. H. Finley. 2,439,724, Apr. 13.
- Apparatus for molding strip material. U. C. Haren. 2,443,386, June 15.
- Apparatus for molding wax objects. E. A. Fox, Jr., and S. C. Tingquist. 2,434,557, Jan. 13.
- Apparatus for molding wood veneer. C. U. Gramel-spacher. 2,441,699, May 18.
- Apparatus for mounting a roller in a cavity in a member. M. Royer. 2,448,833, Sept. 7.
- Apparatus for obtaining photographs giving an impression of relief. M. Bonnet. 2,434,385, Jan. 13.
- Apparatus for oil sand heating. R. M. Steffen. 2,444,755, July 6.
- Apparatus for oil wells, Automatic shutoff. L. Spencer. 2,447,546, Aug. 24.
- Apparatus for operating two oars with one hand. J. G. Snip. 2,444,683, July 6.
- Apparatus for ophthalmic photography. H. Pearce. 2,441,370, May 11.
- Apparatus for orientation. E. Mertén. 2,451,443, Oct. 12.
- Apparatus for orienting quartz crystals by X-rays. F. E. Haworth. 2,457,555, Dec. 28.
- Apparatus for packaging safety pins. G. E. Klock. 2,440,749, May 4.
- Apparatus for painting the inside of pipe lines. D. K. Stephens. 2,445,645, July 20.
- Apparatus for peeling onions including a conical jet of gas. G. T. Hemmeter. 2,445,881, July 27.
- Apparatus for photoelectric measurement of areas. A. G. B. Metcalf. 2,447,024, Aug. 17.
- Apparatus for plating sheet metal. H. Sebell. 2,449,329, Sept. 14.
- Apparatus for playing baseball games. C. Lenbom. 2,444,516, July 6.
- Apparatus for pneumatically separating relatively moist comminuted material. J. M. McGee. 2,446,140, July 27.
- Apparatus for polishing knitting needles and the like. S. Baylin. 2,435,488, Feb. 3.
- Apparatus for powder metallurgy. L. D. Richardson. 2,437,127, Mar. 2.
- Apparatus for preparing dehydrated bread crumbs. C. A. Gerber. 2,446,175, Aug. 3.
- Apparatus for preparing finely divided fibre stock for fluid conveyance. G. W. Luhrmann. 2,439,014, Apr. 6.
- Apparatus for preparing livestock feed. C. Hoeh. 2,437,917, Mar. 16.
- Apparatus for preparing yarn and thread packages for liquid treatment. H. J. McDermott. 2,436,481, Feb. 24.
- Apparatus for pressing footwear as it is conveyed. E. H. Clark. 2,455,559, Dec. 7.
- Apparatus for pressing plastic sheeting. H. A. Swallow. 2,442,443, June 1.
- Apparatus for preventing the formation of ice on windshields. H. H. Raymond. 2,447,430, Aug. 17.
- Apparatus for printing and drying of textile fabrics. W. F. Uhlig. 2,452,339, Oct. 26.
- Apparatus for processing film. L. R. M. Dearing and I. B. Current. 2,455,357, Dec. 7.
- Apparatus for processing photographic articles. D. C. Brown and W. M. Paige. 2,447,684, Aug. 24.
- Apparatus for produce topping and top harvesting. F. A. Trinkle and J. Schwindt. 2,435,910, Feb. 10.
- Apparatus for producing alkylated aromatic compounds. J. L. Amos, C. C. Schwegler, and W. H. Bezenah. 2,443,758, June 22.
- Apparatus for producing artificial filaments. W. A. Sisson and W. L. Webb. 2,440,761, May 4.
- Apparatus for producing artificial fog. G. H. B. Davis. 2,451,019, Oct. 12.
- Apparatus for producing cast metal bodies. R. K. Hopkins. 2,445,670, July 20.
- Apparatus for producing coated wires by continuous process. W. C. Lang. 2,445,675, July 20.
- Apparatus for producing controlled relative motion between tools and workpieces. A. L. Johnson. 2,446,833, Aug. 10.
- Apparatus for producing drop shot. J. Hart. 2,436,211, Feb. 17.
- Apparatus for producing filled bags. S. R. Howard. 2,457,237, Dec. 28.
- Apparatus for producing films. M. A. Chavaunnes. 2,443,443, June 15.
- Apparatus for producing indications of movement of an element. F. D. Merrill, Jr. 2,446,428, Aug. 3.
- Apparatus for producing mineral wool. H. C. Smith. 2,451,582, Oct. 19.
- Apparatus for producing pressure pulses in boreholes. A. Blanchard. 2,451,797, Oct. 19.
- Apparatus for producing rock wool. O. J. Nelson. 2,450,013, Sept. 28.
- Apparatus for producing sheet material. R. E. Barton. 2,442,946, June 8.
- Apparatus for producing variegated fiber lengths in the manufacture of paper. G. L. Bidwell. 2,456,249, Dec. 14.
- Apparatus for producing wrapper material with tear tape sections. C. S. Stephano. 2,446,613, Aug. 10.
- Apparatus for production of ammonium sulphate. C. Otto. 2,439,547, Apr. 13.
- Apparatus for progressively heating oil sands surrounding oil wells. R. M. Steffen. 2,444,756, July 6.
- Apparatus for projecting motion pictures. F. Waller and W. R. Dresser. 2,438,137, Mar. 23.
- Apparatus for propelling and increasing the lift of airplanes. C. B. Ferrel. 2,437,732, Mar. 16.
- Apparatus for protecting inflammable liquids against fire. C. E. Bennett. 2,449,270, Sept. 14.
- Apparatus for providing a ridge on a pipe of ductile material. M. Fisher. 2,445,303, July 13.
- Apparatus for purifying metallic mercury. H. R. Alley and B. F. Freeberg. 2,440,456, Apr. 27.
- Apparatus for quenching metallic articles. F. H. Mueller. 2,456,984, Dec. 21.
- Apparatus for radio tuning, volume control, wave band selection, and other purposes. F. H. Owens. 2,452,067, Oct. 26.
- Apparatus for reacting finely divided solid material and a gas. C. F. Ramseyer and H. A. Brassert. 2,455,092, Nov. 30.
- Apparatus for receiving and dumping refuse. W. D. Hardy. 2,452,751, Nov. 2.
- Apparatus for recording an oscillographic record. C. M. Hathaway. 2,447,752, Aug. 24.
- Apparatus for recording or transmitting intelligence. H. L. Tholstrup. 2,436,126, Feb. 17.
- Apparatus for recording the duration of a transient effect. W. Richter and W. H. Elliot. 2,435,753, Feb. 10.
- Apparatus for reducing and holding fractures in position. P. P. Grosso. 2,443,106, June 8.
- Apparatus for reducing noise in microphone circuits. J. F. Andrews. 2,449,971, Sept. 28.
- Apparatus for refrigeration of liquors. H. B. Millet. 2,450,735, Oct. 5.

- Apparatus for regrooving sugar mill rolls. C. A. Wainwright. 2,442,065, May 25.
- Apparatus for regulating centrifugal machines. L. F. Moody. 2,449,002, Sept. 7.
- Apparatus for regulating the transfer of heat in fused bath electrolytic cells. R. J. McNitt. 2,449,856, Sept. 21.
- Apparatus for regulating water streams and sand clearing devices. E. Montagné. 2,438,103, Mar. 16.
- Apparatus for relieving stress in welded plates. C. P. Bedford. 2,449,760, Sept. 21.
- Apparatus for removal of annular scratches. A. H. Heinrich. 2,450,797, Oct. 5.
- Apparatus for removing random fluctuation from intensity measurements. C. J. Gibbs and J. H. Stein. 2,438,747, Mar. 30.
- Apparatus for resurfacing meat blocks. G. L. Coleman. 2,454,992, Nov. 30.
- Apparatus for rolling steel barrel chimes. E. O. Dryer and A. H. Meisenheimer, Jr. 2,449,206, Sept. 14.
- Apparatus for scarfing billets or blooms. E. C. Deitrich. 2,441,474, May 11.
- Apparatus for sealing containers. T. F. Cass, Jr., D. Kirk, and F. W. Lanigan. 2,447,997, Aug. 24.
- Apparatus for seasoning and granulating acidulated phosphate. W. J. Sackett. 2,442,513, June 1.
- Apparatus for separating entrained solids from gases. D. H. Putney. 2,453,593, Nov. 9.
- Apparatus for separating starch from gluten. L. B. Edsall and A. K. Kilander. 2,453,310, Nov. 9.
- Apparatus for sequentially keying and connecting a plurality of oscillators to a common output circuit. R. F. Wild and F. J. Curran. 2,457,790, Dec. 28.
- Apparatus for shaping and forming leather. M. Green and I. Sheroff. 2,453,987, Nov. 16.
- Apparatus for shaping plastics by extrusion. J. Bailey. 2,443,289, June 15.
- Apparatus for shaping tubular blanks. B. Bogoslawsky. 2,440,391, Apr. 27.
- Apparatus for shearing strips of plastic material. E. D. Hanson and O. G. Nelson. 2,456,699, Dec. 21.
- Apparatus for showing pressure versus volume diagram. R. J. Tinkham. 2,445,046, July 13.
- Apparatus for simulating radio range signals. Automatic magnetic. R. C. Dehmel. 2,451,927, Oct. 19.
- Apparatus for simulating wind effects in aviation ground trainers. C. J. Crane. 2,450,421, Oct. 5.
- Apparatus for simulating wind effects in aviation ground trainers. C. J. Crane. 2,452,039, Oct. 26.
- Apparatus for simultaneously induction heating a plurality of elements. R. A. Bierwirth. 2,442,968, June 8.
- Apparatus for solvent extraction. C. F. Dinley. 2,447,845, Aug. 24.
- Apparatus for spinning and winding textile threads. R. J. H. Kovacs. 2,447,345, Aug. 17.
- Apparatus for spinning artificial staple fibers. A. Lodge. 2,447,984, Aug. 24.
- Apparatus for stereoscopic work. P. C. Smith and F. E. Runge. 2,436,676, Feb. 24.
- Apparatus for stereoscopic work. P. C. Smith and F. E. Runge. 2,441,850, May 18.
- Apparatus for storing stacked articles. W. J. Gibbs. 2,449,892, Sept. 21.
- Apparatus for straightening cans and the flanges thereof. A. Treff. 2,455,832, Dec. 7.
- Apparatus for stretch bending structural elements. W. C. Fields, E. E. Carpenter, and G. G. Finney. 2,442,268, May 25.
- Apparatus for stretch forming elongated articles. E. Hochreiter. 2,445,089, July 27.
- Apparatus for stripping pods from milkweed plants. C. F. Reed. 2,450,917, Oct. 12.
- Apparatus suitable for use in the treatment of water containing chlorides dissolved therein. H. D. Meincke, Jr. 2,456,524, Dec. 14.
- Apparatus for supplying liquid fuel and air to variable-speed internal-combustion engines. H. G. Rausenberger. 2,433,953, Jan. 6.
- Apparatus for supporting bodies of railway vehicles in connection with removal and replacement of the trucks thereof. A. W. Skinner. 2,454,225, Nov. 16.
- Apparatus for surface conditioning wires and the like. N. H. Nye and W. E. Rogers. 2,444,523, July 6.
- Apparatus for surface treating small objects. A. Keck. 2,451,391, Oct. 12.
- Apparatus for surfacing sheet material. E. O. Dryer. 2,434,736, Jan. 20.
- Apparatus for tempering glass articles. C. D. Oughton, S. Sterling, and A. F. Turner. 2,455,058, Nov. 30.
- Apparatus for tempering glass sheets or plates. W. P. Bamford and J. D. Hemley. 2,444,972, July 13.
- Apparatus for tensioning strip material. A. B. Wilson. 2,454,021, Nov. 16.
- Apparatus for testing and marking insulated conductors. G. E. Henning. 2,456,704, Dec. 21.
- Apparatus for testing cables. S. E. Brillhart. 2,435,266, Feb. 3.
- Apparatus for testing electric cables. R. D. Gambrill and C. E. Lewis. 2,446,820, Aug. 10.
- Apparatus for testing friction material. D. E. Dasher. 2,441,993, May 25.
- Apparatus for testing insulation of electrical cables. K. H. Zimmerman. 2,452,624, Nov. 2.
- Apparatus for testing molding sand. H. W. Dietert. 2,448,964, Sept. 7.
- Apparatus for testing panels and the like. P. E. Sandorff. 2,440,616, Apr. 27.
- Apparatus for testing photographic exposure, Intermittent movement carriage. A. J. Lockrey and M. Dichter. 2,441,919, May 18.
- Apparatus for testing the operation of oxygen supply equipment for aircraft. R. R. Osborne and E. G. Dunsford. 2,457,713, Dec. 28.
- Apparatus for testing the static balance of propeller blades. L. B. Chubb. 2,436,096, Feb. 17.
- Apparatus for testing tubes by fluid pressure. H. S. Fullerton. 2,445,876, July 27.
- Apparatus for textile fabrics, Setting. H. Richter. 2,451,978, Oct. 19.
- Apparatus for the continual production of electrically welded tubes. A. Drayer. 2,451,159, Oct. 12.
- Apparatus for the control of highway crossing signals. C. F. Lower. 2,439,013, Apr. 6.
- Apparatus for the freezing-drying of tissues. A. C. Taylor. 2,435,854, Feb. 10.
- Apparatus for the gauging of liquids. J. Muller. 2,434,425, Jan. 13.
- Apparatus for the manufacture of abrasive webs. N. E. Oglesby. 2,456,985, Dec. 21.
- Apparatus for the manufacture of cork-board by injection of a heated gas. C. R. Calleia. 2,453,568, Nov. 9.
- Apparatus for the manufacture of explosives. A. O. Franz and O. C. Keplinger. 2,445,741, July 20.
- Apparatus for the manufacture of lenses. J. Johnson. 2,443,826, June 22.
- Apparatus for the manufacture of metallurgical charcoal from comminuted wood waste material. W. C. Goss. 2,435,825, Feb. 10.
- Apparatus for the manufacture of paper and other felted fibrous products. J. T. Coghill. 2,447,161, Aug. 17.
- Apparatus for the manufacture of seamless varicose-vein stockings. L. Boucraut. 2,441,118, May 4.
- Apparatus for the moulding of butter and like products. J. O'Connell. 2,451,301, Oct. 12.
- Apparatus for the production of artificial filaments. R. W. Stanley. 2,455,530, Dec. 7.
- Apparatus for the production of metal ingots. W. A. Kosinski. 2,441,362, May 11.
- Apparatus for the treatment of textile strands. T. Jackson and F. B. Hill. 2,450,045, Sept. 28.
- Apparatus for thickening hydrosols. H. H. Reynolds. 2,436,403, Feb. 24.
- Apparatus for transfer of light liquid. W. S. Young. 2,452,623, Nov. 2.
- Apparatus for transmitting intense vibrations for performing work. J. C. O'Connor. 2,439,219, Apr. 6.
- Apparatus for transmitting motion-picture light images. C. L. Tomlinson. 2,440,312, Apr. 27.
- Apparatus for treating articles. E. R. Zadernach and W. W. Clarke. 2,440,134, Apr. 20.
- Apparatus for treating articles or units of material in a liquid bath. J. W. Chamberlin and J. F. Horvath. 2,442,484, June 1.
- Apparatus for treating cheese. O. F. Hensel. 2,455,579, Dec. 7.
- Apparatus for treating fabrics. B. C. Bond. 2,441,308, May 11.
- Apparatus for treating filamentary material. W. H. Kreamer, J. C. Klingener, and E. K. Bauer. 2,454,930, Nov. 30.
- Apparatus for treating flowable solids. J. L. Erisman. 2,452,362, Oct. 26.
- Apparatus for treating foods. P. E. Marshall. 2,447,417, Aug. 17.
- Apparatus for treating fur-bearing animal skins. R. E. Naumburg. 2,438,227, Mar. 23.
- Apparatus for treating granular materials. F. G. R. Magnusson and G. V. Öholm. 2,437,395, Mar. 9.
- Apparatus for treating rubber-reinforcing cord fabric. M. W. Wilson. 2,450,847, Oct. 5.
- Apparatus for treating seeds with chemical dust and bagging the seeds. H. J. Kemp. 2,452,935, Nov. 2.
- Apparatus for treating surfaces. H. Osterberg. 2,433,922, Jan. 6.
- Apparatus for treating tubular bodies. F. A. Schratt. 2,451,635, Oct. 19.
- Apparatus for treating wells. P. J. Lehnhard, Jr. 2,454,740, Nov. 23.
- Apparatus for treating yarn packages with fluids. W. A. Mulligan and W. Kernan. 2,439,314, Apr. 6.
- Apparatus for treatment of travelling materials with fluid media. W. J. Elvin, M. A. Shaffer, and E. R. Stahl. 2,438,549, Mar. 30.
- Apparatus for tuning variable electrical oscillators. L. C. Stenning. 2,450,696, Oct. 5.
- Apparatus for turning containers. H. D. Smith. 2,443,202, June 15.
- Apparatus for use in agricultural machines. L. A. Marlhart. 2,433,856, Jan. 6.
- Apparatus for use in applying wire to rows of plants. F. J. Grisanti. 2,454,870, Nov. 30.
- Apparatus for use in erecting masonry. E. G. Malthouse. 2,438,613, Mar. 30.
- Apparatus for use in the centrifugal separation of serum from cheese constituents. G. J. Strezynski. 2,436,498, Feb. 24.

- Apparatus for using adhesive tape. G. H. Fritzinger. 2,437,022, Mar. 2.
- Apparatus for vapor coating of large surfaces. A. H. Bennett. 2,435,997, Feb. 17.
- Apparatus for varying the frequency of resonant cavities. W. A. Stewart. 2,438,768, Mar. 30.
- Apparatus for vulcanizing flexible tubes. H. I. Morris. 2,454,666, Nov. 23.
- Apparatus for washing gel pellets. J. W. Payne, P. D. Valas, E. H. Atwood, and E. V. Bergstrom. 2,450,351, Sept. 28.
- Apparatus for washing milking machines. R. C. Herman. 2,442,926, June 8.
- Apparatus for washing over, releasing, and withdrawing tubular structures from wells. R. M. Claypool and D. M. Best. 2,449,841, Sept. 21.
- Apparatus for washing paper stock. S. D. Wells. 2,442,990, June 8.
- Apparatus for weighing and discharging dry materials. H. A. Gilbert, I. L. Tolf, and J. J. Thayer. 2,443,350, June 15.
- Apparatus for welding. A. F. Pitoy and H. E. Butterfield, Jr. 2,454,338, Nov. 23.
- Apparatus for welding gear wheels. I. R. Metcalf. 2,442,426, June 1.
- Apparatus for welding machines, Material supporting and cooling. D. H. Mitchell and E. C. Moss. 2,457,704, Dec. 28.
- Apparatus for welding tubing. W. Kopec. 2,444,778, July 6.
- Apparatus for welding, utilizing energy storage apparatus, Direct-current. F. H. Johnson and C. F. Leathers. 2,452,573, Nov. 2.
- Apparatus for well logging. W. G. Green. 2,441,065, May 4.
- Apparatus for winding strands. G. Slayter. 2,457,786, Dec. 28.
- Apparatus for winding textile strands. G. J. Prosser and C. L. Watts. 2,443,869, June 22.
- Apparatus for working, conveying, and cutting dough. C. G. Turner. 2,446,201, Aug. 3.
- Appliance for working on automobile body panels. W. H. Ferguson. 2,444,250, June 29.
- Apparatus for wrapping of block-shaped articles. J. A. Gilbert. 2,443,952, June 22.
- Apparatus for X-ray photographing tubular steel castings. E. G. Forssell. 2,437,688, Mar. 16.
- Apparatus responsive to variations in the light transmission of blood of living animals for indicating variations in the oxygen content thereof. H. M. Kirschbaum. 2,442,462, June 1.
- Apparatus selectively operable as a press or as a drop hammer. R. J. Lindsey. 2,449,401, Sept. 14.
- Apparatus with a perforated floor, Portable dehydrating. H. D. Curtis. 2,442,344, June 1.
- Apparatus with rotatable head and belt for supporting containers and with means for closing containers. K. Stenglein. 2,438,624, Mar. 30.
- Apparel, Wearing. M. H. Middendorf. 2,434,743, Jan. 20.
- Appetite-stimulating and amusement devices, Child's combination. B. B. Manaster. 2,453,922, Nov. 16.
- Apple juice and milk modifier, Concentrated. H. St. Clair. 2,450,456, Oct. 5.
- Apples, Treating. H. A. Noyes. 2,443,866, June 22.
- Appliance, Display. J. T. Powers, Jr. 2,456,990, Dec. 21.
- Appliance, Electric treatment. F. Landauer. 2,447,127, Aug. 17.
- Appliance for control of enemas, Medical. O. F. Lamson. 2,457,244, Dec. 28.
- Appliance for cooling liquids. H. Mock. 2,440,753, May 4.
- Appliance for poultry, pigeons, and other birds, Automatic feeding. J. G. Francis. 2,440,332, Apr. 27.
- Appliance for the access into streamline-shaped vehicles. E. Rechain. 2,446,434, Aug. 3.
- Appliance for the spine. B. Haberer. 2,447,698, Aug. 24.
- Appliance, Hanging. T. M. Harpole and L. S. Pawkett. 2,442,410, June 1.
- Appliance, Jaw-supporting. V. M. Wagner. 2,452,816, Nov. 2.
- Appliance, Musical educational. E. F. Sledge. 2,447,213, Aug. 17.
- Application of phosphate protective coatings to nonferrous metals. J. C. Lum. 2,449,495, Sept. 14.
- Applicator. R. H. Van Sant. 2,452,273, Oct. 26.
- Applicator. W. L. Weakland. 2,444,212, June 29.
- Applicator and line dressing container, Combination. L. Pachner. 2,434,861, Jan. 20.
- Applicator, and therapeutic device, Medicinal. L. C. Markowitz. 2,436,895, Mar. 2.
- Applicator, Bushing. J. de Swart. 2,441,756, May 18.
- Applicator, Dehorning paste. O. Gereke. 2,433,947, Jan. 6.
- Applicator, Drill pipe protector. F. C. Boyd, H. E. Hester, and P. A. Medearis. 2,435,868, Feb. 10.
- Applicator, Film. J. J. Bradley, Jr. 2,436,351, Feb. 17.
- Applicator, Foot medication. H. L. Berman. 2,451,906, Oct. 19.
- Applicator for applying insulation to wire. P. V. Kessler and J. B. Moss. 2,455,499, Dec. 7.
- Applicator for bowling alley finishes. V. Unterbrink. 2,438,354, Mar. 23.
- Applicator, Lip rouge. Z. Meinkoff. 2,442,503, June 1.
- Applicator, Lip rouge dispenser. R. E. Kruck. 2,448,033, Aug. 31.
- Applicator, Ointment. M. M. Werner. 2,452,006, Oct. 19.
- Applicator, Nasal. C. E. White. 2,445,653, July 20.
- Applicator, Powder. G. D. Runnels. 2,450,919, Oct. 12.
- Applicator, Pressure plastic. R. G. Ames. 2,436,783, Mar. 2.
- Applicator, Tampon. K. J. Harwood. 2,450,138, Sept. 28.
- Applicator, Teeth cleaning. H. R. Rathbun. 2,439,056, Apr. 6.
- Applicator, X-ray. J. W. Wilson. 2,436,279, Feb. 17.
- Applicators for liquid medicinal preparations. E. A. H. King. 2,449,125, Sept. 14.
- Appliques for attachment, Preparing. M. A. Friedlen. 2,456,264, Dec. 14.
- Applying and removing device, Garment bag. W. A. Shields. 2,439,148, Apr. 6.
- Applying coating materials. J. S. Smyser. 2,447,374, Aug. 17.
- Apron. H. L. Brown. 2,449,448, Sept. 14.
- Apron. N. B. Densmore. 2,453,202, Nov. 9.
- Apron. H. R. Hill. 2,442,895, June 8.
- Apron. M. J. Kraft. 2,453,074, Nov. 2.
- Apron drive, Spreader. J. L. Marsh. 2,453,242, Nov. 9.
- Apron or protector, Shoe. B. F. Miller and E. F. Probst. 2,434,331, Jan. 13.
- Aquatic decoys, Manufacturing. A. H. Risch. 2,453,758, Nov. 16.
- Aqueous alkali solution used to extract weakly acidic sulfur compounds from hydrocarbon fluids, Regenerating. D. C. Bond and M. Savoy. 2,457,635, Dec. 28.
- Aqueous dispersions of electropositive materials. S. M. Edelstein. 2,442,972, June 8.
- Aqueous dispersions of polyvinyl butyral, Preparing. W. H. Bromley, Jr. 2,455,402, Dec. 7.
- Aqueous dispersions of synthetic rubbers, Preparation of. C. F. Brown. 2,450,578-9, Oct. 5.
- Aqueous dispersions of vulcanized fatty oils. L. Auer. 2,433,831, Jan. 6.
- Aqueous liquid, Procedure for disinfecting. H. C. Marks and F. B. Strandkov. 2,443,429, June 15.
- Aqueous suspensions and solutions, Concentrating. R. Holzcker. 2,448,802, Sept. 7.
- Arbor, Bending ball. F. M. Check, Sr. 2,451,717, Oct. 19.
- Arbor, Piston ring. H. M. Olson. 2,436,526, Feb. 24.
- Arc chute. W. M. Scott, Jr. 2,446,027, July 27.
- Arc discharge device, Concentrated. W. D. Buckingham and C. R. Delbert. 2,453,118, Nov. 9.
- Arc extinguishing device. E. W. Boehne. 2,436,189, Feb. 17.
- Arc furnace electrode feed regulator system. P. B. Steed and C. C. Levy. 2,434,597, Jan. 13.
- Arc furnace electrodes, Automatically controlling. W. H. Payne. 2,440,380, Apr. 27.
- Arc lamp. R. E. Sheahan. 2,440,122, Apr. 20.
- Arc lamp or the like. C. G. H. Hallett. 2,446,278, Aug. 3.
- Arc welding apparatus. W. C. Johnson. 2,439,740, Apr. 13.
- Arc welding apparatus, Automatic. H. O. Klinker. 2,446,598, Aug. 10.
- Arc welding control system. C. P. Croco and J. H. Blankenbuehler. 2,449,456, Sept. 14.
- Arc-welding electrode. F. E. Garriott. 2,440,941, May 4.
- Arc welding, High-speed. G. G. Landis and N. J. Hoenie. 2,444,834, July 6.
- Arc welding, Multiple electrode. I. Harter, E. F. Wilson, and E. C. Hoge. 2,436,387, Feb. 24.
- Arc welding system. A. B. White. 2,443,671, June 22.
- Arc welding within hydrocarbon oil. P. Pellion. 2,455,441, Dec. 7.
- Arch member for openings. J. Marino. 2,442,929, June 8.
- Arch or like supports, Production of. W. L. Gould. 2,440,508, Apr. 27.
- Arch or roof construction, Furnace. L. H. Hosbein and L. Ellman. 2,446,766, Aug. 10.
- Arch support. P. E. Erickson. 2,435,822, Feb. 10.
- Arch support device. J. Matias. 2,439,545, Apr. 13.
- Arch support member. H. L. Whitman. 2,446,449, Aug. 3.
- Arch supporting device. J. S. MacArthur. 2,457,481, Dec. 28.
- Arch-supporting unit for footwear, Insertable and detachable. J. A. Fikany. 2,436,716, Feb. 24.
- Arch supports, Making. W. M. Scholl. 2,457,737, Dec. 28.
- Arm adjuster. B. A. Hower. 2,443,681, June 22.
- Arm, Engine rocker. J. M. Leake. 2,448,989, Sept. 7.
- Arm, Engine rocker. H. C. Ronfeldt. 2,444,374, June 29.
- Arm, Windshield wiper. T. J. Smulski. 2,438,305, Mar. 23.
- Armament, Aircraft. J. B. Gordon. 2,443,105, June 8.
- Armature current ratemeter, Polarized. G. H. Fritzinger. 2,446,579, Aug. 10.
- Armature, Electric motor. N. D. Levin. 2,446,708, Aug. 10.
- Armature massager, Vibrant. H. B. Cohen. 2,441,686, May 18.
- Areaway wall. I. P. Whitehouse. 2,453,609, Nov. 9.
- Armament for aircraft, Bombing. C. C. Slate. 2,453,870, Nov. 16.
- Armicycle. P. E. Swindell. 2,436,619, Feb. 24.
- Arming device. H. H. Porter. 2,448,121, Aug. 31.
- Arming device, Delay. J. F. McCaslin. 2,446,545, Aug. 10.
- Arming device for fuses, Delay. J. F. McCaslin and J. Fink. 2,457,254, Dec. 28.

- Arming mechanism, Delay booster. J. F. McCaslin and J. Fink. 2,448,228, Aug. 31.
- Armor, Nonmagnetic. I. R. Kramer. 2,449,075, Sept. 14.
- Armrest, Sanitary chair. C. G. Maxson. 2,445,870, July 27.
- Aromatic compounds, Oxynitration of. W. O. Teeters and M. B. Mueller. 2,455,322, Nov. 30.
- Aromatic derivatives, Sulfonated. J. R. Caldwell. 2,455,730, Dec. 7.
- Aromatic hydrocarbons from a hydrocarbon mixture, Separating. M. R. Lipkin and A. E. Hirschler. 2,449,402, Sept. 14.
- Aromatic hydrocarbons from a mixture of hydrocarbons, Cyclic process for separating. A. E. Hirschler and M. R. Lipkin. 2,441,572, May 18.
- Aromatic hydrocarbons of high purity, Production of. R. M. Shepardson. 2,442,060, May 25.
- Aromatic mercury alcoholates. C. N. Andersen. 2,437,450, Mar. 9.
- Aromatic nitriles, Production of. W. I. Denton and R. B. Bishop. 2,450,639, Oct. 5.
- Aromatic nitriles, Production of. M. M. Marisic, W. I. Denton, and R. B. Bishop. 2,450,677, Oct. 5.
- Aromatic nitro compounds for amines, Preparing. E. H. McArde. 2,454,468, Nov. 23.
- Aromatics by thermal cracking, Production of. R. M. Shepardson and R. L. Mathiasen. 2,444,855, July 6.
- Arrangement for conducting heat and high-frequency currents. H. A. Wheeler. 2,439,641, Apr. 13.
- Arrangement for covering ship hulls. E. Loewenstein. 2,455,593, Dec. 7.
- Arrangement for electric discharge devices, Starting. D. D. Hinman. 2,451,830, Oct. 19.
- Arrangement for electrical windings, Protective. K. K. Palnev. 2,456,986, Dec. 21.
- Arrangement for frequency measurements. C. W. Earp. 2,457,136, Dec. 28.
- Arrangement for grinding and dressing machines, Work support. E. F. Hager. 2,450,135, Sept. 28.
- Arrangement for producing electric impulses. F. H. Bray. 2,436,787, Mar. 2.
- Arrangement for pneumatic relays of the force-balance type, Adjusting. F. B. Newell. 2,446,385, Aug. 3.
- Arrangement for simulating a reactive impedance. L. F. Curtis. 2,457,034, Dec. 21.
- Arrangement for translating devices, Protective. W. N. Gittings. 2,439,247, Apr. 6.
- Arranging and brazing superposed commutator leads. C. F. Cobb, E. F. Brill, and J. R. Guenther. 2,455,560, Dec. 7.
- Arrester element. H. J. Baker. 2,447,048, Aug. 17.
- Arrester, Exhaust spark. H. E. Davidson. 2,448,420, Aug. 31.
- Arrester, Flame. R. C. Hall. 2,447,120, Aug. 17.
- Arrester for blast furnaces, Dust. R. M. McKelvey. 2,450,976, Oct. 12.
- Arresting gear. F. E. Flader. 2,452,447, Oct. 26.
- Arresting gear. E. Molloy and L. G. Raiche. 2,454,081, Nov. 16.
- Arresting hook. D. C. Rowe. 2,454,257, Nov. 16.
- Arresting hook. F. N. Dickerman. 2,452,911, Nov. 2.
- Arrestor, Vehicle. E. A. Banschbach. 2,435,919, Feb. 10.
- Arsenic derivatives and preparing same. C. S. Hamilton and C. K. Banks. 2,435,393, Feb. 3.
- Art device. H. J. Gardener and W. A. Blome. 2,450,127, Sept. 28.
- Art of winding odd-shape coils. H. V. Knauf, Jr. 2,448,672, Sept. 7.
- Article carrier. E. R. Brandt. 2,434,387, Jan. 13.
- Article carrier. L. I. Smith. 2,443,967, June 22.
- Article coated with N-alkoxymethyl polyamide and making same. B. Graham and H. S. Turner. 2,443,450, June 15.
- Article dispensing device. W. S. Connell, P. F. Boettcher and C. M. Holmen. 2,435,177, Jan. 27.
- Article feeding mechanism for wrapping machines. O. Sandberg. 2,434,772, Jan. 20.
- Article forming apparatus. J. Stastny. 2,444,757, July 6.
- Article forming apparatus. J. S. Stull. 2,456,222, Dec. 14.
- Article-handling tool. W. H. Harstick. 2,440,771, May 4.
- Articles having differently shaded zones therein from molding powders, Manufacture of molded. H. A. M. Winter. 2,434,477, Jan. 13.
- Article holder. R. E. Davis. 2,445,606, July 20.
- Article holder. B. J. Hudash. 2,436,044, Feb. 17.
- Article holder. F. Satz, M. Berns, and S. Sontag. 2,443,361, June 15.
- Article holder for attachment to automobile visors. K. L. Hanson. 2,453,843, Nov. 16.
- Article-holding device. G. and J. Rees. 2,456,445, Dec. 14.
- Article of footwear and heel therefor. A. J. Dunbrook. 2,453,002, Nov. 2.
- Article of furniture. L. Guild and C. G. Towne. 2,453,090, 2,453,090, Nov. 2.
- Article rack. R. L. Willis. 2,456,850, Dec. 21.
- Article removing means. L. G. Zesbaugh. 2,441,525, May 11.
- Article support. R. W. Rosendale. 2,436,019, Feb. 17.
- Article supporting closure for cabinets. T. W. Rundell. 2,453,387, Nov. 9.
- Article traying machine. C. A. Brown and F. B. Van Sickle. 2,439,883, Apr. 20.
- Articles containing fabric reinforcements, Making heat-molded. F. F. Olson and F. J. MacDonald. 2,448,114, Aug. 31.
- Articles, Disassembling. E. Gosmann and K. A. Weston. 2,441,353, May 11.
- Articles from powdered materials, Method and apparatus for producing. H. H. Lester. 2,435,227, Feb. 3.
- Articles from short lengths of tubes, Manufacture of. L. Parkin and J. Simpson. 2,437,477, Mar. 9.
- Articles from thermoplastic films, Making lap-welded. C. R. Irons. 2,440,664, Apr. 27.
- Articles having fissured chromium surface electrodeposits, Producing. F. Passalacqua. 2,450,296, Sept. 28.
- Articles to be marked, Feeding. R. E. J. Nordquist and H. F. Cox, Jr. 2,436,820, Mar. 2.
- Articulated bobbin holder. W. E. Moore. 2,437,471, Mar. 9.
- Articulated ice tray grid. S. W. E. Andersson. 2,438,487, Mar. 30.
- Articulating apparatus for artificial teeth. R. Sandhofer. 2,445,639, July 20.
- Artificial bait. C. L. Hahn. 2,437,523, Mar. 9.
- Artificial bait. L. H. Pecher. 2,437,549, Mar. 9.
- Artificial body members. F. V. Eberle and H. Hansen. 2,439,507, Apr. 13.
- Artificial flame. P. and C. C. Munao. 2,448,906, Sept. 7.
- Artificial filament. M. P. Kulp and W. A. Sisson. 2,439,813, Apr. 20.
- Artificial filament. W. A. Sisson. 2,439,814, Apr. 20.
- Artificial filaments, Manufacturing. W. A. Sisson. 2,443,711, June 22.
- Artificial hand. F. L. Dale. 2,457,305, Dec. 28.
- Artificial hand. G. R. Tureman, Jr. 2,435,614, Feb. 10.
- Artificial hand and arm. H. J. Snethun. 2,449,728, Sept. 21.
- Artificial leg. K. Marean. 2,457,482, Dec. 28.
- Artificial limb. E. C. Carter. 2,453,969, Nov. 16.
- Artificial rubber from vinyl resin, phenol-aldehyde resin, and plasticizer. B. W. Watson. 2,437,284, Mar. 9.
- Artificial sphincter and method. F. E. B. Foley. 2,455,859, Dec. 7.
- Artificial teeth, Forming. J. Kohn and M. R. Stein. 2,434,416, Jan. 13.
- Artificial teeth, Making. R. W. Erdle. 2,450,885, Oct. 12.
- Artificial yarn, Method and apparatus for producing and stretching. H. W. Swank. 2,440,226, Apr. 20.
- Artificial yarn, Producing. E. A. Tippetts. 2,439,829, Apr. 20.
- Artificial yarns and producing the same. W. W. Watkins. 2,451,420, Oct. 12.
- Aryl amines, Making. E. C. Hughes. 2,455,932, Dec. 14.
- Aryl esters of tertiary carbamic acid. J. A. Aeschlimann. 2,449,440, Sept. 14.
- Aryl phosphorus containing resins and preparing the same. A. D. F. Toy. 2,435,252, Feb. 3.
- Aryl substituted ethylenic compounds, Production of. J. K. Dixon and D. R. May. 2,450,334, Sept. 28.
- Aryl thio-ethers of metal-containing phthalocyanines and producing same. E. Gutzwiller. 2,456,274, Dec. 14.
- Arylazoarylguanides. J. T. Thurston. 2,444,013, June 22.
- Arylguanide hydrochlorides, Manufacture of. B. R. Jacobs and Z. E. Jolles. 2,446,421, Aug. 3.
- Asbestos-cement products, Process and apparatus for the manufacture of. J. A. Cann. 2,435,646, Feb. 10.
- Asbestos, Coating. T. D. Callinan. 2,451,805, Oct. 19.
- Asbestos member, Composite. E. L. Schulman. 2,454,218, Nov. 16.
- Ascorbic acid compound, Recovering an. H. H. Bassford, Jr. 2,444,087, June 29.
- Ascorbic acid tetraester preparation. D. I. Weisblatt and D. R. Myers. 2,454,748, Nov. 23.
- Ash-forming constituents and sediment from alkaline petroleum residuum, Removing. E. F. Wadley. 2,434,528, Jan. 13.
- Ashpan, Furnace. K. Satchik. 2,446,669, Aug. 10.
- Ash receiver. C. Hendricks. 2,454,450, Nov. 23.
- Ash receptacle and draft controlling door for domestic water heaters, stoves, and the like, Combined. D. G. Burkert. 2,452,180, Oct. 26.
- Ash receptacle closure with tilting means. W. C. Panzer. 2,445,861, July 27.
- Ash receptacle for armrests of vehicle seats. A. B. Bell. 2,449,965, Sept. 21.
- Ash tray. H. M. Foddy. 2,453,790, Nov. 16.
- Ash tray. M. P. Omelina. 2,453,256, Nov. 9.
- Ash tray. F. V. Schnepel. 2,452,871, Nov. 2.
- Ash tray and stand for beds, Adjustable. J. Hess. 2,434,360, Jan. 13.
- Ashtray, Smokeless. R. C. Weddle. 2,440,387, Apr. 27.
- Ash tray with automatic cleaning. L. Weinberger. 2,442,715, June 1.
- Asphalt emulsion from containers, Removing. J. C. Showalter. 2,442,100, May 25.
- Asphalt and catalytic preparation thereof, Air-blown. A. J. Holberg. 2,450,756, Oct. 5.
- Asphalt pump intake. W. V. Murdock. 2,446,384, Aug. 3.
- Asphaltic building blocks, Making. A. Holmes and J. C. Roediger. 2,443,507, June 15.
- Asphaltic molding material. E. M. Bright. 2,446,903, Aug. 10.
- Aspirator. C. S. Steigerwald. 2,441,980, May 25.

- Aspirator tip, Combination. W. W. McLeod. 2,449,497, Sept. 14.
- Assemblage of refrigerating units. W. E. Wine. 2,447,606, Aug. 24.
- Assembling apparatus. E. C. Moss and H. W. Schaufelberger. 2,434,744, Jan. 20.
- Assembling arcuate terminal banks. L. A. Bartelheim and M. W. Lane. 2,438,959, Apr. 6.
- Assembling resilient grommets to gear shift selector arms. H. J. Yelkin. 2,439,501, Apr. 13.
- Assembling pistons. F. F. Kishline. 2,437,824, Mar. 10.
- Assembling sheet metal parts. W. H. Powers. 2,435,697, Feb. 10.
- Assembly and ring, Piston. W. G. Sanders. 2,450,693, Oct. 5.
- Assembly features of golf club bags. R. L. Corbett. 2,436,688, Feb. 24.
- Assembly for brakes and clutches. T. L. Fawick. 2,434,762, Jan. 20.
- Assembly for brakes or clutches. T. L. Fawick. 2,434,761, Jan. 20.
- Assembly for firearms, Sub-caliber. V. H. Wallenberg. 2,452,510, Oct. 26.
- Assembly for gas ranges, Gas supply manifold. G. F. Whitehead. 2,450,744, Oct. 5.
- Assembly for weighing scales, Balance weight. W. A. Dimick. 2,456,178, Dec. 14.
- Astronomical photographic objectives. F. E. Altman and R. W. McIntyre. 2,443,156, June 8.
- Atomizer. J. Checkon. 2,449,927, Sept. 21.
- Atomizer, Medicinal. O. O. Wunsch. 2,449,734, Sept. 21.
- Atomizing liquids, Method and apparatus for. V. A. Trier. 2,438,868, Mar. 30.
- Atomizing oil burner. A. Perretti. 2,457,067, Dec. 21.
- Attaching means. G. B. Du Bois. 2,439,161, Apr. 6.
- Attaching tear strip winding keys to receptacles. C. L. Emmons. 2,453,503, Nov. 9.
- Attachment for baby buggies. R. L. Bailey. 2,442,334, June 1.
- Attachment for barbers' chairs, Stool. C. E. Paden. 2,445,240, July 13.
- Attachment for conveyors, Pusher. C. L. Feldtkeller. 2,435,072, Jan. 27.
- Attachment for dental surveying instruments. C. J. Ringle and R. W. Smith. 2,457,090, Dec. 21.
- Attachment for digging implements. F. E. Jeffers. 2,434,074, Jan. 6.
- Attachment for electric plugs, Fuse. A. La Rizza. 2,457,477, Dec. 28.
- Attachment for guns, Subcaliber. J. M. Dial. 2,457,354, Dec. 28.
- Attachment for knitting machines, Wrap stripe. C. S. Grove, Sr., J. V. McKinney, and S. Pittman. 2,451,673, Oct. 19.
- Attachment for lathes, Radius. A. M. Bell, Jr. 2,453,111, Nov. 9.
- Attachment for mortise machines. D. N. Brown. 2,439,558, Apr. 13.
- Attachment for motion-picture projecting machines. J. D. Edmondson. 2,447,233, Aug. 17.
- Attachment for moving picture projectors, Still picture. H. Getter. 2,452,745, Nov. 2.
- Attachment for pumps, Counterbalancing. T. B. Strickland. 2,452,802, Nov. 2.
- Attachment for sewing machines, Binding. T. J. Horwath. 2,450,663, Oct. 5.
- Attachment for sheet feeding mechanisms. C. E. Carlson. 2,442,839, June 8.
- Attachment for shoes, Nonskid. H. M. Pulver. 2,450,768, Oct. 5.
- Attachment for skis, Antispill. N. E. Ebbley, Jr. 2,455,920, Dec. 14.
- Attachment for standard tanks, Buoyant. A. J. McCutchen. 2,453,149, Nov. 9.
- Attachment for stock tanks used in pulp and paper mills, Stock agitating and circulating. J. Stadler. 2,452,399, Oct. 26.
- Attachment for trailer boat caster units. S. R. Du Brie. 2,455,048, Nov. 30.
- Attachment for violin bows, Grip. L. Shopmaker. 2,452,396, Oct. 26.
- Attachment for violins and analogous instruments. H. A. Feldman. 2,455,574, Dec. 7.
- Attachment for well drilling derricks. H. J. Broers. 2,439,714, Apr. 13.
- Attachment for wire elements to frame structures. S. G. Blumensadt. 2,440,001, Apr. 20.
- Attachment in laundry marking machine. W. C. Straszer. 2,435,851, Feb. 10.
- Attachment of rubber soles to uppers of shoes. J. Hoza. 2,437,030, Mar. 2.
- Attachment to geometrical instrument. R. H. Buchhorn. 2,454,133, Nov. 16.
- Attenuation control network. R. B. Dome. 2,439,651, Apr. 13.
- Attenuator. E. Doucette. 2,438,431, Mar. 23.
- Attenuator. E. Doucette. 2,439,160, Apr. 6.
- Attenuator. J. P. Smith, Jr. 2,449,019, Sept. 7.
- Attenuator for ultra high frequencies. S. C. Clark, Jr. 2,451,201, Oct. 12.
- Attenuator, Super high frequency. E. G. Linder. 2,443,109, June 8.
- Attitude gyro. R. L. Divoll. 2,439,358, Apr. 6.
- Audible-signal device, Adjustable-intensity electromagnet. A. B. Poole. 2,442,016, May 25.
- Audible-signal device, Electromagnetic. A. B. Poole. 2,452,678, Nov. 2.
- Audible time signal. M. H. Rhodes. 2,434,470, Jan. 13.
- Auger bits, Manufacturing. B. H. Daulton. 2,453,000, Nov. 2.
- Auger, Posthole. R. H. Dobbs. 2,456,819, Dec. 21.
- Auto-thio-glycolic-acid-anilide and making the same. M. J. Lewenstein. 2,451,841, Oct. 19.
- Auto-battery terminal connection. R. E. Daellenbach. 2,434,398, Jan. 13.
- Auto chain. L. P. Morton. 2,444,462, July 6.
- Autocondensation product of an acid amide. E. Lieber. 2,435,631, Feb. 10.
- Auto-focus photographic enlarger of the folded-light-path type. K. N. Swanson. 2,437,898, Mar. 16.
- Auto luggage carrier. S. Purchase. 2,436,228, Feb. 17.
- Auto top luggage carrier. G. D. Godwin. 2,440,821, May 4.
- Automatic adhesive tape dispenser. A. A. Anderson. 2,449,047, Sept. 14.
- Automatic adjustable chair. H. Gleitsman and D. Hoenig. 2,450,654, Oct. 5.
- Automatic adjustment for elevator brakes. A. M. Tarbox. 2,439,350, Apr. 6.
- Automatic and manual control system for circuit breakers. M. J. Brown. 2,439,920, Apr. 20.
- Automatic antitip device. A. S. Grzech and J. G. Debelius. 2,439,085, Apr. 6.
- Automatic book marker. A. Safer. 2,436,609, Feb. 24.
- Automatic braking device. H. W. Allen. 2,438,887, Apr. 6.
- Automatic builder motion knockoff for roving frames. J. J. Seawright. 2,452,873, Nov. 2.
- Automatic cathode. W. V. Foster. 2,436,717, Feb. 24.
- Automatic change check. C. H. Crary. 2,435,873, Feb. 10.
- Automatic chicken feeder. G. T. Eidson. 2,447,745, Aug. 24.
- Automatic cigarette holder. W. P. Sinclair. 2,436,613, Feb. 24.
- Automatic clamping and deforming the ends of tubes. E. C. Hartley and H. E. Hull. 2,438,999, Apr. 6.
- Automatic clutch. W. V. Thelander. 2,444,964, July 13.
- Automatic compensating gun control system. H. L. Donicht, R. F. Fischer, and E. B. Baldrige. 2,438,905, Apr. 6.
- Automatic control for washing machines. P. M. Pappas. 2,454,198, Nov. 16.
- Automatic control for waste heat utilizers. F. Saco, Jr., and W. R. Williamson. 2,438,719, Mar. 30.
- Automatic control, Pressure responsive. E. V. Rippingille. 2,449,953, Sept. 21.
- Automatic coupling, decoupling, and adjusting hitch. F. R. Hawkins. 2,437,321, Mar. 9.
- Automatic cutoff. W. Waterman. 2,439,116-18, Apr. 6.
- Automatic depth control for groundworking implements. J. M. Chambers and E. V. Bunting. 2,437,875, Mar. 16.
- Automatic disk cutter. H. Dahl and E. W. Huebner. 2,445,167, July 13.
- Automatic dimpler. E. V. Christensen. 2,438,842, Mar. 30.
- Automatic electric switch. R. E. Swisher and G. W. Gates. 2,440,028, Apr. 20.
- Automatic electric toolholding switch. E. H. L. Englund. 2,444,188, June 29.
- Automatic electromagnetic automobile door emergency latch. E. L. Pratt. 2,448,619, Sept. 7.
- Automatic elevator. A. E. Jackson. 2,443,563, June 16.
- Automatic filter apparatus. F. J. Reinhart. 2,439,633, April 13.
- Automatic fire alarm system. T. J. Tate. 2,439,502, Apr. 13.
- Automatic firearm. E. C. Neal. 2,436,175, Feb. 17.
- Automatic firearm feed mechanism. A. M. Alexander. 2,436,370, Feb. 24.
- Automatic gain control circuit. S. I. Tourshou. 2,454,415, Nov. 23.
- Automatic gate. E. Roman. 2,442,937, June 8.
- Automatic hydraulic jack. C. R. Haight. 2,449,296, Sept. 14.
- Automatic hook. G. R. Dempster. 2,445,106, July 13.
- Automatic keyhole lock cover. E. N. Jacobi. 2,454,925, Nov. 30.
- Automatic knockoff device for ring twisting and spinning machines. J. Davidson. 2,452,910, Nov. 2.
- Automatic landing legs for semi-trailers, Full. R. W. Starr. 2,434,443, Jan. 13.
- Automatic lighter. F. P. Bushman. 2,438,632, Mar. 30.
- Automatic lighter. B. Troubh. 2,438,727, Mar. 30.
- Automatic lock slider for slide fasteners. N. J. Poux. 2,443,360, June 15.
- Automatic loop replenisher. H. N. Fairbanks. 2,434,355, Jan. 13.
- Automatic manually controlled clutch. C. L. Knott. 2,450,048, Sept. 28.
- Automatic means for regulating electric steam generators. M. Eaton. 2,453,210, Nov. 9.
- Automatic measurement of length by means of electrical impulses. J. Berger, A. Eskenazi, and A. Helbronner. 2,436,785, Mar. 2.
- Automatic molding press. J. B. Whitmore, W. Makenny, and F. A. Newcombe. 2,454,362, Nov. 23.

- Automatic pilot for rotary wing aircraft. C. A. Moeller. 2,443,192, June 15.
- Automatic pilot turn control. B. G. Carlson. 2,442,116, May 25.
- Automatic poultry waterer. J. B. Olson. 2,435,015, Jan. 27.
- Automatic reel. W. E. Nordmark. 2,434,119, Jan. 6.
- Automatic regulating system having a movable control element and a follow-up element. R. H. Nisbet. 2,440,183, Apr. 20.
- Automatic rod feed for metal removal. E. Meincke. 2,438,344, Mar. 23.
- Automatic shutoff valve. B. W. Copeland. 2,450,938, Oct. 12.
- Automatic signal bias control means and apparatus. R. M. Sprague. 2,443,434, June 15.
- Automatic starting switch. L. W. Gilbert. 2,437,023, Mar. 2.
- Automatic striking tool. J. A. Ravella. 2,455,270, Nov. 30.
- Automatic telegraph key. F. A. Bartlett. 2,437,497, Mar. 9.
- Automatic telephone system having rating independent of routing. J. E. Osiline. 2,437,118, Mar. 2.
- Automatic timer for toasters or other apparatus. L. E. Padelford. 2,436,448, Feb. 24.
- Automatic toaster. A. A. Johnson. 2,436,575, Feb. 24.
- Automatic tuning control circuit. H. C. Tittle. 2,452,878, Nov. 2.
- Automatic tuning control for radio systems and the like. R. C. Kent. 2,436,172, Feb. 17.
- Automatic valve-actuating mechanism. H. A. Cartwright. 2,436,419, Feb. 24.
- Automatic warmer for musical instruments. P. M. Bredice. 2,439,713, Apr. 13.
- Automatic water level control. R. P. Yorke. 2,438,733, Mar. 30.
- Automatic water valve. E. L. Halverson. 2,449,474, Sept. 14.
- Automatic volume control for pulse systems. D. S. Pensyl. 2,440,289, Apr. 27.
- Automatically releasing well head. L. D. Meddick. 2,440,015, Apr. 20.
- Automatically submerged sump pump. W. L. Weeks. 2,455,717, Dec. 7.
- Automatically supplying distilled water to storage batteries. H. J. Hansen. 2,433,939, Jan. 6.
- Automobile and airplane wheel. L. Champain. 2,440,460, Apr. 27.
- Automobile baggage carrier. O. Lecanu-Deschamps. 2,444,201, June 29.
- Automobile body structure. A. E. Gessler, W. F. Grupe, C. J. Rolle, and F. J. Tuttle. 2,455,926, Dec. 14.
- Automobile brake signal. F. R. Good. 2,446,276, Aug. 3.
- Automobile bumper support for outboard motors. R. E. Wright. 2,439,707, Apr. 13.
- Automobile control mechanism. S. T. Kobernick. 2,437,260, Mar. 9.
- Automobile door and window lock. H. M. Freholm. 2,440,742, May 4.
- Automobile jack. A. P. Huhle. 2,449,850, Sept. 21.
- Automobile jack. H. Soskin. 2,442,881, June 8.
- Automobile position signal. E. Traub. 2,454,896, Nov. 30.
- Automobile radio remote control. E. F. McDonald, Jr. 2,452,384, Oct. 26.
- Automobile service table. G. I. Shelton and H. L. Dowell. 2,454,889, Nov. 30.
- Automobile service table. G. I. Shelton and H. L. Dowell. 2,456,220, Dec. 14.
- Automobile side-window laminated mirror, Vertically pivoted. L. M. Dohanian. 2,437,154, Mar. 2.
- Automobile top. Convertible. J. A. Olivier and W. E. George. 2,434,332, Jan. 13.
- Automobile transporting truck. E. V. Garnett. 2,451,284, Oct. 12.
- Automobile trouble light. V. S. Ward and G. K. Hurlbut. 2,453,606, Nov. 9.
- Automotive vehicle. D. G. Roos. 2,457,400, Dec. 28.
- Auto parts washer. V. N. Albertson. 2,438,654, Mar. 30.
- Autoregenerative catalysts, Preparation of. C. L. Gutzeit. 2,449,295, Sept. 14.
- Auto top ski carrier. R. W. Wubben. 2,434,826, Jan. 20.
- Auxiliary bobbin support for use on the shank of a bobbin holder. F. Lambach. 2,437,100, Mar. 2.
- Auxiliary tool handle. C. H. Carlson and W. Russell. 2,454,989, Nov. 30.
- Auxiliary transmission and power take-off, Combined. C. A. Cook. 2,438,539, Mar. 30.
- Auxiliary utility cabinet. F. T. Hearst. 2,450,337, Sept. 28.
- Averaging mechanism. H. W. Bode. 2,455,035, Nov. 30.
- Leser and N. L. Severign. 2,453,631, Nov. 9.
- Aviation naphthas, Finishing of. B. N. Hill. 2,436,170, Feb. 17.
- Aviation trainer. K. A. Kall. 2,450,239, Sept. 28.
- Awning. E. Kraus. 2,448,984, Sept. 7.
- Awning. F. G. Lewis. 2,457,574, Dec. 28.
- Awning. M. R. Lorenz and C. A. Brahm. 2,453,921, Nov. 16.
- Awning. C. R. Perry and J. C. McCormack. 2,441,081, May 4.
- Awning, Collapsible. J. T. Freeman. 2,435,073, Jan. 27.
- Awning construction, Metal. M. Harrison and S. B. Korman. 2,442,891, June 8.
- Axial air gap machine. G. R. Anderson. 2,438,629, Mar. 30.
- Axial piston pump. W. E. Renick. 2,440,875, May 4.
- Axially engaged speed responsive clutch. O. H. Banker. 2,441,928, May 18.
- Axially engaging friction clutch. R. F. Hale. 2,457,367, Dec. 28.
- Axially engaging friction clutch. A. T. Nabstedt. 2,439,611, Apr. 13.
- Axially engaging positive clutch. J. T. Lancaster. 2,438,175, Mar. 23.
- Axially rotating reciprocating piston pump. H. H. Mackal. 2,447,416, Aug. 17.
- Axially shifting type, pedestal mounted tire removing machine. I. N. Hewitt. 2,455,580, Dec. 7.
- Axle box. C. A. Bowen. 2,448,655, Sept. 7.
- Axle, Car wheel. K. A. Huldtt. 2,446,592, Aug. 10.
- Axle construction. H. W. Alden. 2,443,590, June 22.
- Axle for agricultural implements or the like. Replacement. R. F. Williams. 2,450,322, Sept. 28.
- Axis cone and shell mill, Vertical. R. F. Davis. 2,455,565, Dec. 7.
- Axle and fifth wheel assembly for farm wagons. Fred Joe and F. J. De Long. 2,452,358, Oct. 26.
- Axle for vehicles, Drive. F. W. Avila. 2,454,685, Nov. 23.
- Axle, Interchangeable front and rear drive. L. R. Buckendale. 2,456,616, Dec. 21.
- Axle, Multiple-speed. F. W. Avila. 2,450,073, Sept. 28.
- Axle spring suspension, Tandem. V. Frazier. 2,455,989, Dec. 14.
- Axle, Trailer. F. F. Linn. 2,455,787, Dec. 7.
- Azeotropic distillation of chloroethyl benzene from chlorostyrene. L. Berg and J. M. Harrison. 2,442,229-30, May 25.
- Azeotropic distillation of acetic anhydride. C. H. Fisher and M. L. Fein. 2,438,278, Mar. 23.
- Azeotropic distillation of toluene with propionic acid. J. W. Latchum, Jr., and J. S. Connors. 2,434,322, Jan. 13.
- Azeotropic separation of xylene isomers. G. R. Lake and J. M. McDowell. 2,456,561, Dec. 14.
- Azines as olefin polymerization catalysts. M. J. Roedel. 2,439,528, Apr. 13.
- Azo benzene benzthiazyls. N. H. Haddock. 2,439,804, Apr. 20.
- Azo compounds. J. B. Dickey and J. G. McNally. 2,442,345, June 1.
- Azo compounds containing a tetrahydroquinoline nucleus. J. B. Dickey and J. G. McNally. 2,448,871, Sept. 7.
- Azo compounds containing a triazole nucleus. J. B. Dickey and J. G. McNally. 2,448,870, Sept. 7.
- Azo dye compositions stabilized with unsaturated carboxylic acids or salts. S. S. Rossander, C. E. Sparks, and C. W. Maynard, Jr. Re. 23,016, July 13.
- Azo dyes containing a pyrazolone radical, Metallizable. R. S. Long. 2,435,182, Jan. 27.
- Azo dyes from dihydroxy benzidine. F. Straub, J. Brassel, and P. Pieth. 2,439,153, Apr. 6.
- B-diketones and preparing them. C. T. Palmer. 2,447,626, Aug. 24.
- Baby bottle holder. B. M. Corrao. 2,451,718, Oct. 19.
- Baby carriage and shopping cart, Combination. J. M. Baby carriage, Collapsible and inflatable. M. W. Newberry. 2,446,302, Aug. 3.
- Baby carriage with detachable body. S. and N. J. Kroll. 2,437,098, Mar. 2.
- Baby chick shipping box. R. R. Harness. 2,449,222, Sept. 14.
- Baby dining-play table. W. M. Dunson. 2,454,599, Nov. 23.
- Baby feeder. W. M. Sirks. 2,437,133, Mar. 2.
- Baby tender and the like. C. E. Nyberg. 2,436,664, Feb. 24.
- Baby pants. L. H. Rand. Re. 23,040, Sept. 21.
- Baby's safety sheet. E. M. and E. L. Kromer. 2,454,463, Nov. 23.
- Back for covered buttons, Button. J. R. Forbes. 2,433,986, Jan. 6.
- Backfire arrester and flashback preventer. M. L. Olson and E. A. Berger. 2,447,086, Aug. 17.
- Backlash eliminator for planetary gears. G. D. Gillett. 2,444,734, July 6.
- Backlash take-up for gun elevating mechanism. G. I. Chinn. 2,436,379, Feb. 24.
- Back-pressure check valve. J. L. Cameron and F. J. Malloy. 2,447,842, Aug. 24.
- Back rest for bleacher seats, Folding. E. Nunes. 2,445,362, July 20.
- Badge having a detachable tag cooperating with an integral window in said badge. H. R. Berglund. 2,441,002, May 4.
- Baffle holding device, Adjustable. G. H. Knobloch. 2,452,936, Nov. 2.
- Bag: See—
- Collapsible lunch or shopping bag.
- Colostomy drain bag.
- Cord handled bag.
- Curing bag.
- Folding, wheeled, shopping bag.
- Fruit picking bag.
- Hanging shoeshine kit bag.
- Heat-sealed valve bag.
- Paper bag.
- Shopping bag.
- Sleeping bag.
- Tire curing bag.
- Vacuum cleaner bag.
- Waterproof bag.

- Bag. R. D. Elwell. 2,445,600, July 27.
 Bag. J. Johnsson. 2,444,891, July 6.
 Bag. B. Zimmermann. 2,451,142, Oct. 12.
 Bag adapted for display by suspension. H. F. Shumann. 2,439,584, Apr. 13.
 Bag and bag handle construction. N. H. Campbell. 2,437,072, Mar. 2.
 Bag and composite material. F. A. Ulm. 2,434,892, Jan. 20.
 Bag and making same. H. A. Rohdin. 2,442,936, June 8.
 Bag and making the same. H. F. Waters. 2,444,762, July 6.
 Bag and the like, Labeled fabric. C. V. Brady and A. F. Ottinger. 2,437,184, Mar. 2.
 Bag applying and removing device, Garment. W. A. Shields. 2,439,148, Apr. 6.
 Bag comprising hingedly connected opposed sections, Traveling. A. Kaufmann. 2,444,511, July 6.
 Bag coupling. C. F. Foley. 2,450,544, Oct. 5.
 Bag feeding apparatus. R. P. Eagles. 2,435,532, Feb. 3.
 Bag feeding machine with bag opening and expanding means. G. Örstrom. 2,437,117, Mar. 2.
 Bag handling machinery. W. Dodge. 2,436,955, Mar. 2.
 Bag holder. J. E. Murphy. 2,448,821, Sept. 7.
 Bag holder. C. A. Regele. 2,442,377, June 1.
 Bag holder. T. O. Smith. 2,437,233, Mar. 2.
 Bag latch and coin holder, Combined. I. Henne. 2,436,646, Feb. 24.
 Bag making machine and method. A. W. Richens. 2,435,560, Feb. 3.
 Bag rack. C. A. Britton. 2,441,750, May 18.
 Bag tube ends, Closing. D. Belcher. 2,445,757, July 27.
 Baggage appliance for rolling movements, Adjustable. E. Pohl. 2,446,023, July 27.
 Bags and the like, Making labeled. C. V. Brady and A. F. Ottinger. 2,437,185, Mar. 2.
 Bags for tire casings, Producing curing. J. A. Walsh, Jr. 2,444,177, June 29.
 Bags with nontangling handles, Producing infusion. L. B. Eaton and R. W. Vergobbi. 2,457,216, Dec. 28.
 Bailer. P. T. Bynum. 2,445,206, July 13.
 Bailer. J. M. Reynolds. 2,454,945, Nov. 30.
 Bailer. N. J. White and J. S. Graham. 2,436,787, Feb. 24.
 Bailer unloading rack. J. J. Santiago. 2,449,721, Sept. 21.
 Bait, Artificial. M. A. Adams. 2,456,665, Dec. 21.
 Bait casting device. A. Mason. 2,435,011, Jan. 27.
 Bait, Fishing. O. M. Curtis, Jr., and T. M. Prudden. 2,452,553, Nov. 2.
 Bait, Fishing, and preparing the same. O. M. Curtis, Jr., and T. M. Prudden. 2,452,552, Nov. 2.
 Bait-holding casting bob. F. F. Pazzano. 2,457,715, Dec. 28.
 Bait, Lobster. G. Muir and O. L. Schleicher. 2,434,220, Jan. 6.
 Baked cereal food, Preservation of. E. G. Holden, Jr. 2,443,138, June 8.
 Baking pan assembly. J. Kollman. 2,447,126, Aug. 17.
 Balance weight. Wheel. J. R. Dailey and H. C. Yeager. 2,441,619, May 18.
 Balanced alternating current exciting vacuum tube meter. J. M. van Beuren and E. Conrad. 2,434,822, Jan. 20.
 Balanced impeller structure for wind motors. J. R. Albers. 2,437,659, Mar. 9.
 Balanced-inductor system, Unitary. H. A. Wheeler. 2,451,596, Oct. 19.
 Balanced modulator circuit. C. E. Atkins. 2,441,127, May 11.
 Balanced wave filter. F. S. Farkas. 2,452,114, Oct. 26.
 Balancer for rotor blades, Dynamic. G. S. Doman. 2,451,541, Oct. 19.
 Balancer or leveling mechanism for gasholders. J. H. Wiggins. 2,457,762, Dec. 28.
 Balancing circuit. D. E. Kenyon. 2,447,507, Aug. 24.
 Balancing device. F. W. Kelleher and M. H. Gulle. 2,441,152, May 11.
 Balancing machine. N. Minorsky. 2,449,563, Sept. 21.
 Balancing machine. T. C. Van Degriest, A. W. Zmuda, and E. F. Riopelle. 2,449,429, Sept. 14.
 Balancing system, Automatic fluid pressure. F. W. Hoffer. 2,449,297, Sept. 14.
 Baler. L. R. Tallman. 2,454,413, Nov. 23.
 Baler, Hay. I. E. Allison. 2,450,928, Oct. 12.
 Baler, Pickup. C. F. Crumb, L. H. Kaupke, R. R. Raney, and L. E. Smith. 2,450,082, Sept. 28.
 Baling press and baling method. S. S. Robinson, Jr. 2,455,442, Dec. 7.
 Ball-bearing worm gear. E. C. Wahlberg and R. C. Lampe. 2,451,998, Oct. 19.
 Ball caster. W. H. Newell. 2,451,353, Oct. 12.
 Ball cleaning and polishing device. S. J. Warlick. 2,438,773, Mar. 30.
 Ball for bowlers, Grip measuring. H. Reitsma. 2,453,036, Nov. 2.
 Ball game. T. J. Berning and M. P. Hoover. 2,439,333, Apr. 6.
 Ball game apparatus, Tethered. R. Bergerlioux. 2,437,454, Mar. 9.
 Ball game device, Tethered. S. Lang. 2,442,296, May 25.
 Ball gate and elevating mechanism. L. A. Durant and G. Horlick. 2,453,976, Nov. 16.
 Ball rolling game. A. J. Guthrie. 2,445,575, July 20.
 Ballast structure for electron discharge devices. W. H. Simson. 2,435,410, Feb. 3.
 Ballast unit. E. L. Sutter. 2,441,213, May 11.
 Ballast unit for fluorescent lamp lighting apparatus. M. Nathanson. 2,444,522, July 6.
 Balloon. J. A. Hagen, L. Prendergast, and E. L. Gregor. 2,455,248, Nov. 30.
 Balloon apparatus and parachute associated therewith. L. P. Frieder and W. S. Finken. 2,444,642, July 6.
 Balloon, Target. C. R. Weinert. 2,447,972, Aug. 24.
 Ballot box. V. Zamora. 2,437,584, Mar. 9.
 Balsa punch. D. F. Brittle. 2,449,839, Sept. 21.
 Band, Adjustable flexible. N. Bisso. 2,449,273, Sept. 14.
 Band for garments. H. Hardie. 2,438,804, Mar. 30.
 Band, Rotating. H. H. Himmer. 2,454,801, Nov. 30.
 Band saw blade stretching machine. P. Senard. 2,441,648, May 18.
 Band tester, Rotating. P. W. Klipsch. 2,450,003, Sept. 28.
 Band, Wrist watch. R. L. Hamilton. 2,450,136, Sept. 28.
 Band, Wrist watch. I. Wolff. 2,448,943, Sept. 7.
 Bandage. C. S. Beardsley. 2,442,111, May 25.
 Bandage. E. Gledhill. 2,448,366, Aug. 31.
 Bandage, Ankle. J. Brand. 2,446,902, Aug. 10.
 Bandage, Finger. M. Solomon. 2,440,235, Apr. 20.
 Banding machine. J. H. Mead. 2,456,523, Dec. 14.
 Bank or jewelry box. C. W. Saathoff. 2,449,722, Sept. 21.
 Bank, Savings. J. I. Houck. 2,444,611, July 6.
 Bank, Shunt capacitor. R. E. Marbury, J. B. Owens, and W. H. Cuttino. 2,447,658, Aug. 24.
 Bank, Toy. J. L. Baum. 2,448,951, Sept. 7.
 Bar: See—
 Aligning bar. Playing bar.
 Boring bar. Shock absorbing tow bar.
 Bristle tuft and holding Vehicle tow bar.
 bar. Wrecking bar.
 Commutator bar. Wrist watch strap bar.
 Handle bar.
 Bar and gauge, Angle measuring. N. Trbojevic. 2,446,562, Aug. 10.
 Bar conditioner, Chain-saw. A. F. Stone and E. A. Hayden. 2,450,211, Sept. 28.
 Bar for micrometer gauges and the like, Length. L. E. Glover. 2,433,988, Jan. 6.
 Bar mechanism for typewriting machines, Type. E. L. Wise. 2,447,885, Aug. 24.
 Bar or slide for playing certain musical instruments. J. Miller. 2,441,713, May 18.
 Bar support and spacer, Combined. B. Hillberg. 2,439,428, Apr. 13.
 Bar type-high range gauge. L. D. Statham. 2,453,550, Nov. 9.
 Barbecue set. W. H. Fuller. 2,441,190, May 11.
 Barber chairs, Rotary seat attachment for. D. M. Powell. 2,440,644, Apr. 27.
 Barbeque device, Home. R. R. Zoegall. 2,455,034, Nov. 30.
 Barite concentrates useful in drilling muds, Making of. J. B. Duke. 2,442,120, May 25.
 Barium carbonate-asbestos catalyst and preparation thereof. F. W. Haywood and D. S. Laidler. 2,444,930, July 13.
 Barium carbonates, Obtaining. L. J. Minnick. 2,440,641, Apr. 27.
 Barium lake pigment, Producing a. J. B. Callaway and D. B. Killian. 2,453,490, Nov. 9.
 Barium lithol red, Preparation of a. C. C. Candee. 2,447,394, Aug. 17.
 Bark chipping hack for turpentine trees. A. G. Snow, Jr., and H. R. Lanier. 2,434,869, Jan. 20.
 Bark fiber from finely comminuted bark, Separation of pure. R. D. Pauley. 2,446,551, Aug. 10.
 Bark, Treating. H. W. Anway. 2,437,672, Mar. 16.
 Bark, Treating. R. S. Hatch. 2,444,929, July 13.
 Barometric fuze. H. C. Hebard. 2,438,853, Mar. 30.
 Barrel closing ring. B. Carter. 2,453,492, Nov. 9.
 Barrel, Continuous blast cleaning. W. L. Keefer. 2,441,578, May 18.
 Barrel, Core. B. W. Sewell. 2,456,331, Dec. 14.
 Barrel lock. O. E. Rosengren. 2,455,608, Dec. 7.
 Barrel, Reinforced sectional. M. O. Kuhn. 2,445,730, July 20.
 Barrel, Wooden tumbling. J. N. Wallace. 2,443,283, June 15.
 Barrier, Aircraft. R. B. Cotton. 2,440,574, Apr. 27.
 Barrier for animal traps. H. A. Stilson. 2,438,377, Mar. 23.
 Bars for concaves, Disappearing tooth. F. M. Moll. 2,457,259, Dec. 28.
 Base and contact for electrical devices. W. Makenny. 2,454,326, Nov. 23.
 Base assemblies for electric discharge tubes, Manufacture of. S. J. Powers. 2,454,834, Nov. 30.
 Base, Electric lamp. L. R. Keifer. 2,436,259, Feb. 17.
 Base for holding Christmas trees and the like, Adjustable. H. O. Davis. 2,441,473, May 11.
 Base for holding vernier calipers. F. Malsom. 2,454,327, Nov. 23.
 Base for stands. H. Borghesi. 2,448,413, Aug. 31.
 Base, Hose stand. C. J. Hauck. 2,440,745, May 4.
 Base, Lamp. W. H. von Scheven. 2,457,789, Dec. 28.
 Base members for dyeing, Preparing. O. K. Johannson. 2,436,304, Feb. 17.
 Base, Portable motor. G. Bergeron. 2,433,978, Jan. 6.

- Base structure for electron discharge tubes. H. D. Madden and J. W. Greenbowe. 2,451,847, Oct. 19.
- Baseball game. M. C. Meyer. 2,436,816, Mar. 2.
- Baseball mitt. W. J. Sonnett and B. B. Stobbe. 2,452,695, Nov. 2.
- Baseball playing machine, Simulated. W. A. Johnson. 2,454,065, Nov. 16.
- Basic amides of 1-aryl-cycloalkyl-1-carboxylic acids. H. Martin and F. Häfliger. 2,437,545, Mar. 9.
- Basin, Desliting. C. B. Harp. 2,442,358, June 1.
- Basin, Portable hair-rinsing. E. C. Price. 2,455,607, Dec. 7.
- Basket. W. W. Dale. 2,438,844, Mar. 30.
- Basket. H. S. Johns. 2,449,899, Sept. 21.
- Basket, Bicycle. V. Aleks. 2,439,376, Apr. 13.
- Basket, Bicycle. V. Aleks. 2,457,624, Dec. 28.
- Basket, Collapsible cardboard counter. J. V. Horr. 2,436,300, Feb. 17.
- Basket, Furnace tray. H. F. Jackson. 2,453,511, Nov. 9.
- Basket structure. J. Geralds. 2,440,507, Apr. 27.
- Batch feed hopper for garbage grinders. O. J. Feight. 2,453,006, Nov. 2.
- Bath for silver, Electroplating. H. J. Green. 2,440,672, May 4.
- Bath shower, Automatic. A. H. Hatchette. 2,456,703, Dec. 21.
- Bath tank, Spinning. R. H. de Lacotte and E. Colombu. 2,450,750, Oct. 5.
- Bath, Terne electroplating. J. S. Nachtman. 2,446,716, Aug. 10.
- Bathing cap. E. McCaffrey. 2,447,708, Aug. 24.
- Bathing trunks. U. Vacca. 2,453,051, Nov. 2.
- Bathroom equipment. A. T. Hesse. 2,438,665, Mar. 30.
- Bathroom scale support. M. H. Sherrin. 2,441,037, May 4.
- Baths comprising chloroprene copolymers, Aqueous wool treating. J. B. Rust. 2,448,005, Aug. 24.
- Baths comprising chloroprene methacrylate copolymers, Aqueous wool treating. J. B. Rust. 2,448,004, Aug. 24.
- Baths containing butadiene copolymers and their utilization, Wool shrinkproofing. J. B. Rust. 2,447,877-8, Aug. 24.
- Bathtub. L. E. Harris. 2,456,275, Dec. 14.
- Bathtub handhold construction. M. M. Schafer. 2,436,903, Mar. 2.
- Baton. H. K. Foster. 2,450,545, Oct. 5.
- Batteries, Operating diffusion. A. M. A. Ferté. 2,446,751, Aug. 10.
- Battery adapter. R. L. Eichberg and H. R. Montague. 2,449,550, Sept. 21.
- Battery box asphalt and making the same. W. E. Spelshouse and A. H. Boenau. 2,455,709, Dec. 7.
- Battery bracket and holder. C. A. Werner. 2,435,375, Feb. 3.
- Battery carrier. C. Sumter. 2,435,549, Feb. 3.
- Battery carriage, Adjustable. R. J. Pettingill. 2,435,463, Feb. 3.
- Battery charger. L. A. Medlar. 2,456,978, Dec. 21.
- Battery charging apparatus. M. L. Pugh. 2,436,057, Feb. 17.
- Battery charging apparatus and method. F. C. Anderson. 2,440,163, Apr. 20.
- Battery compartment, Torpedo. T. A. Daly. 2,447,639, Aug. 24.
- Battery container for airplanes. P. F. Good. 2,439,464, Apr. 13.
- Battery core machine and method. B. May. 2,447,197, Aug. 17.
- Battery electrolyte, Emulsified. T. G. Moir. 2,441,896, May 18.
- Battery for hearing aids, Dry. D. W. Hirtle. 2,440,401, Apr. 27.
- Battery gland for terminals or vents. C. and M. Berg. 2,456,246, Dec. 14.
- Battery improvement, Electric. V. Alvear. 2,456,477, Dec. 14.
- Battery mount. M. A. Shiro and M. B. Kraus, Jr. 2,449,568, Sept. 21.
- Battery of the flat type, Dry cell. C. P. Deibel, C. N. Mertes, and L. A. Gray. 2,436,382, Feb. 24.
- Battery plate separator. G. Slayter. 2,454,100, Nov. 16.
- Battery plates, Reconditioning. A. L. Hindall. 2,451,087, Oct. 12.
- Battery stripping device, Portable. N. Bemel. 2,457,519, Dec. 28.
- Battery terminal. W. G. Tenney. 2,443,996, June 22.
- Battery terminal and thermal regulator, Combined. A. Toelle. 2,442,445, June 1.
- Battery terminal clamp. W. W. Thumann. 2,453,474, Nov. 9.
- Beacon, Keyed radio. L. A. deRosa. 2,436,796, Mar. 2.
- Beacon receiver means. D. D. Grieg, A. Frum, and L. Dubin. 2,444,439, July 6.
- Beacon system. W. J. Flett. 2,441,877, May 18.
- Beading and trimming machine, Automatic. R. H. Herman. 2,455,768, Dec. 7.
- Beading or flaring machine which varies off-center position of tool. H. E. Hull and E. C. Hartley. 2,442,495, June 1.
- Beam. A. and F. W. Braun. 2,446,457, Aug. 3.
- Beam. W. J. Hall. 2,457,147, Dec. 28.
- Beam and slab structure, Composite prestressed concrete. C. P. Cueni. 2,435,998, Feb. 17.
- Beam antenna system. C. L. Rouault. 2,446,436, Aug. 3.
- Beam apparatus, Electron. R. H. Varian. 2,449,569, Sept. 21.
- Beam chord construction, Aircraft. H. W. Earhart. 2,448,362, Aug. 31.
- Beam deflection system, Cathode-ray. W. J. Stolze and E. I. Anderson. 2,455,321, Nov. 30.
- Beam deflection tube having parallel focusing and beam defining plates. C. W. Mueller. 2,434,713, Jan. 20.
- Beam for aircraft landing gears, Supporting. G. E. Beringer. 2,440,068, Apr. 20.
- Beam intensity control. A. Dorne. 2,448,299, Aug. 31.
- Beam spectrophotometer for the measurement of bronze, Flickering. G. L. Buc and E. I. Stearns, Jr. 2,435,175-6, Jan. 27.
- Beam-splitting prism, Polarizing. M. M. Flood. 2,449,287, Sept. 14.
- Beam, Structural. W. J. Hall and O. J. Crowe. 2,457,148, Dec. 28.
- Beaming and electroplating wires, Simultaneously. R. C. Pierce. 2,447,531, Aug. 24.
- Beaming apparatus. H. B. Garden. 2,446,580, Aug. 10.
- Beaming apparatus. T. F. Suggs. 2,443,014, June 8.
- Beaming or warping machine. F. Lambach. 2,450,431, Oct. 5.
- Bearer for offset presses, Resilient. L. M. Stempel. 2,447,991, Aug. 24.
- Bearing: See—
- | | |
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| Antifriction bearing. | Rotary and sliding ball bearing. |
| Center bearing. | Self-adjusting bearing. |
| Crank-pin bearing. | Self-aligning bearing. |
| Double row antifriction bearing. | Self-rotating kingpin thrust bearing. |
| Heated journal bearing. | Shaft bearing. |
| High-speed bearing. | Steam-engine valve crankshaft bearing. |
| Lubricated bearing. | Shaft bearing. |
| Noiseless rudder post bearing. | Shock absorbing bearing. |
| Oil-ring and flood-lubricated bearing. | Sliding antifriction bearing. |
| Pillow block bearing. | Turbine bearing. |
| Plastic tube bearing. | United handled double row roller bearing. |
| Railway car side bearing. | |
| Railway journal bearing. | |
| Resilient sash bearing. | |
| Resiliently mounted bearing. | |
- Bearing. A. A. Griffith and D. Eyre. 2,436,768, Feb. 24.
- Bearing. A. S. Howell. 2,455,489, Dec. 7.
- Bearing. G. F. Hughes-Caley. 2,442,202, May 25.
- Bearing. A. L. Lee. 2,441,495, May 11.
- Bearing. R. A. Smith. 2,438,192, Mar. 23.
- Bearing. C. S. Watt. 2,436,274, Feb. 17.
- Bearing alloy. W. Betteridge and E. R. Gadd. 2,451,907, Oct. 19.
- Bearing assembly. W. R. Hodell. 2,445,432, July 20.
- Bearing assembly. D. Ramsey. 2,455,091, Nov. 30.
- Bearing assembly. J. E. Shafer. 2,441,294, May 11.
- Bearing assembly for dynamoelectric machines. E. P. Turner. 2,448,500, Aug. 31.
- Bearing construction, Mill. M. Treshow. 2,447,605, Aug. 24.
- Bearing driver. E. E. Stelzer. 2,441,981, May 25.
- Bearing for electric motors. F. T. Smith. 2,451,124, Oct. 12.
- Bearing for reciprocating slides. J. C. Shaw. 2,440,919, May 4.
- Bearing for rock bits. R. W. Brown. 2,444,724, July 6.
- Bearing for rotary shafts. L. I. Yeomans. 2,448,341, Aug. 31.
- Bearing for spindles and the like. D. Sulprizio. 2,452,965, Nov. 2.
- Bearing greasing device. V. J. Krobath, Jr., and R. J. Roenick, Jr. 2,438,122, Mar. 23.
- Bearing hone, Universal crankshaft. W. E. Jones. 2,434,769, Jan. 20.
- Bearing lubricator. C. T. Asbury. 2,439,709, Apr. 13.
- Bearing lubrication. E. G. Boden. 2,452,719, Nov. 2.
- Bearing mounting. J. E. Shafer. 2,439,269, Apr. 6.
- Bearing mounting for drive sprockets of track type tractors. G. E. Burks. 2,453,360, Nov. 9.
- Bearing structure. E. G. Gartin. 2,447,852, Aug. 24.
- Bearing structure for conveyor rollers and the like. F. N. Smith. 2,446,616, Aug. 10.
- Bearing structures, Forming. R. I. N. Weingart. 2,446,515, Aug. 3.
- Bearing surfaces, Making porous. F. R. Hensel. 2,447,980, Aug. 24.
- Bearing testing machine. J. B. Bidwell and A. F. Underwood. 2,439,035, Apr. 6.
- Beater. F. J. Pribil. 2,442,326, May 25.
- Beater. W. P. Shores. 2,454,350, Nov. 23.
- Beating and mixing device. W. J. Duvall and H. Cordrey. 2,448,174, Aug. 31.
- Bed: See—
- Sanitation hospitalization bed.
- Bed and couch, Convertible studio. M. C. Binenkorb. 2,436,546, Feb. 24.
- Bed and scratcher, Animal. S. C. Carwile. 2,441,053, May 4.
- Bed and seat, Infant's convertible. B. Glatstein. 2,436,294, Feb. 17.

- Bed arrangement, Vehicle.** J. L. Brack. 2,443,552, June 15.
- Bed, Cooling.** R. W. Young. 2,434,632, Jan. 13.
- Bed cover holder.** W. R. Curtis. 2,446,362, Aug. 3.
- Bed, Crib.** S. and N. J. Kroll. 2,442,048, May 25.
- Bed equipment.** E. H. C. Wikmark. 2,449,758, Sept. 21.
- Bed frame and detachable grinding roller unit.** J. Z. Bernard. 2,451,057, Oct. 12.
- Bed heater.** J. C. Gerdes. 2,452,234, Oct. 26.
- Bed, Hospital.** M. D. Beem. 2,445,258, July 13.
- Bed, Hospital.** F. Sparhawk. 2,445,158, July 13.
- Bed, Hydraulic safety.** R. J. Hess. 2,434,848, Jan. 20.
- Bed, Invalid.** E. A. Miller. 2,438,093, Mar. 16.
- Bed latch for cameras.** R. E. Prentice. 2,445,036, July 13.
- Bed lamp.** R. E. Dike. 2,451,157, Oct. 12.
- Bed rail blank.** W. R. Elrad. 2,450,723, Oct. 5.
- Bedrail pln.** E. J. Wilcox. 2,450,820, Oct. 5.
- Bed reading lamp.** M. Lancry and O. Lang. 2,443,829, June 22.
- Bed rest.** W. R. Smith. 2,448,924, Sept. 7.
- Bed slat.** M. Tucker. 2,452,808, Nov. 2.
- Bed spring.** C. J. Elder. 2,454,964-5, Nov. 30.
- Bed spring support.** M. S. Firsell. 2,452,645, Nov. 2.
- Bed table.** B. da Costa. 2,456,867, Dec. 21.
- Bed trailer, Elevatable.** A. G. Schramm. 2,452,267, Oct. 26.
- Bedpan system.** F. Coffing. 2,436,915, Mar. 2.
- Bedspring support.** H. E. Jenkins. 2,437,535, Mar. 9.
- Bedstead, Hospital.** H. K. Khakiani. 2,437,096, Mar. 2.
- Bee comb foundation.** H. C. Dadant. 2,453,411, Nov. 9.
- Beehive.** R. H. Volgenau and J. M. Hooe. 2,449,348, Sept. 14.
- Beer keg, Liquid cooled metallic.** E. E. Brand. 2,447,390, Aug. 17.
- Beet blocking machine.** L. B. Kaiser. 2,442,814, June 8.
- Bell, Bar.** S. Trzesniewski. 2,447,218, Aug. 17.
- Bell, Mechanically operated.** F. T. Garceau. 2,443,559, June 15.
- Bell mount for timepieces.** F. Fengler. 2,434,460, Jan. 13.
- Bellows clamp.** C. Eisler. 2,447,570, Aug. 24.
- Bellows, Damped.** J. V. Giesler. 2,434,794, Jan. 20.
- Bellows, Manufacture of damped.** J. V. Giesler. 2,444,192, June 29.
- Belt: See—**
- Conveyor belt.**
- Belt.** R. Silverstein. 2,442,621, June 1.
- Belt buckle.** E. M. Easter. 2,437,729, Mar. 16.
- Belt, Cartridge.** J. S. Reid. 2,453,540, Nov. 9.
- Belt connector.** J. A. Luther. 2,450,519, Oct. 5.
- Belt connector.** C. P. Shook, Jr. 2,454,224, Nov. 16.
- Belt, Conveyor.** J. C. Pearson, Jr. 2,435,694, Feb. 10.
- Belt conveyor frame construction.** G. W. Benjamin. 2,437,499, Mar. 9.
- Belt, Garment supporting.** M. Luftig. 2,442,855, June 8.
- Belt, Garter.** G. M. Kimmell. 2,435,311, Feb. 3.
- Belt, High-speed.** L. W. Mitchell. 2,446,294, Aug. 3.
- Belt link guide, Cartridge.** R. J. MacFarlane and H. E. Kershaw. 2,444,936, July 13.
- Belt loading machine.** W. J. Mason. 2,446,184, Aug. 3.
- Belt or chain, Apparel.** C. G. Marquardt. 2,451,397, Oct. 12.
- Belt, Power transmission.** E. A. Davis. 2,444,007, June 22.
- Belt, Power transmission.** G. H. Stewart and E. R. Traxler. 2,444,583, July 6.
- Belt, Power-transmission.** E. R. Traxler. 2,446,311, Aug. 3.
- Belt, Safety.** L. F. Erbach and A. T. Riedl. 2,435,428, Feb. 3.
- Belt, Sanitary garter.** I. Kaldor. 2,452,129, Oct. 26.
- Belt shifter.** G. B. Simonson. 2,441,775, May 18.
- Belt splicing device.** P. W. Doblin and H. Ashworth. 2,438,361, Mar. 23.
- Belt tensioning mechanism for conveyers.** J. S. Beltz. 2,452,980, Nov. 2.
- Belt, Thermoplastic.** I. Rossi and W. Dubilier. 2,445,889, July 27.
- Belt tightening and tracking device.** D. E. Sutton. 2,449,519, Sept. 14.
- Belt, Trouser waist grip.** A. D. Grisanti. 2,439,339, Apr. 6.
- Belt unloader, Link.** A. Baker. 2,449,543, Sept. 21.
- Belt, V-type.** T. W. Steinke. 2,446,310, Aug. 3.
- Belt, Wedge.** R. S. Carter and M. L. Dorf. 2,442,037, May 25.
- Belt, Wire coil conveyor.** F. W. Hale. 2,447,613, Aug. 24.
- Belting.** H. Brammer. 2,450,576, Oct. 5.
- Belting.** G. A. Sowerby and W. S. Short. 2,439,586, Apr. 13.
- Belts, Making endless.** B. A. Evans. 2,439,043, Apr. 6.
- Belts, Making power transmission leather.** S. D. Lesesne. 2,441,970, May 25.
- Bender.** W. A. Smith. 2,457,410, Dec. 28.
- Bender, Tube.** C. J. Chaillie. 2,456,675, Dec. 21.
- Bender with pivoted side shapers, Reciprocating.** J. E. Cahill. 2,443,596, June 22.
- Bender with reversible clamp and former, Pivoted.** G. C. H. Perkins. 2,455,138, Nov. 30.
- Bending apparatus, Glass tube.** E. B. Noel. 2,439,902, Apr. 20.
- Bending brake.** P. Kilham. 2,438,319, Mar. 23.
- Bending fixture.** A. J. Yorgiadis. 2,448,133, Aug. 31.
- Bending machine.** H. E. Colwell. 2,440,599, Apr. 27.
- Bending machine, Slider.** L. M. Rabinowitz. 2,453,860, Nov. 16.
- Bending machine with pivoted bender carrying a work supporting arm.** W. E. Pettersen. 2,449,409, Sept. 14.
- Bending means.** J. P. Steibel. 2,456,749, Dec. 21.
- Bending of corkwood.** F. F. Pollak. 2,438,349, Mar. 23.
- Bending of glass by pressing on heated molds.** J. H. Lewis. 2,442,242, May 25.
- Bending sheet material, Method and apparatus for.** H. V. Dettman. 2,436,383, Feb. 24.
- Bent-wire clothes hanger.** L. Hayward. 2,451,552, Oct. 19.
- Benzhydryl amino ethers.** G. Rieveschl, Jr. 2,453,729, Nov. 16.
- Benzhydryl amino ethers.** G. Rieveschl, Jr. 2,454,092, Nov. 16.
- Benzocaine solution.** R. Stone. 2,457,188, Dec. 28.
- Benzoic acid di-cis-2-(4-carboxybutyl)-3,4-diamino-tetrahydrothiophene sulfate complex.** D. E. Wolf and A. C. Shabica, Jr. 2,437,719, Mar. 16.
- Benzoic acid esters of secondary alkylamino propanols.** A. C. Cope. 2,442,721, June 1.
- Benzolsulfonamido-1,3,4-thiadiazole compounds, Producing.** O. Hübner. 2,447,702, Aug. 24.
- Benzonitrile production from benzene or diphenyl and HCN.** J. N. Cosby. 2,449,643, Sept. 21.
- Benzoxy carbocyanines and preparation.** A. W. Anish. 2,441,342, May 11.
- Benzthiazole azo dye.** C. S. Argyle and S. A. Gibson. 2,441,612, May 18.
- Berth or bed lounge and like device, Convertible.** S. A. Kelly, Jr., and W. R. Lindsay. 2,440,515, Apr. 27.
- Beta acyloxy acyl halides from beta lactones.** T. L. Gresham and F. W. Shaver. 2,449,994, Sept. 28.
- Beta-acyloxy carboxylic acid compounds and preparing the same.** T. L. Gresham and J. E. Jansen. 2,449,990, Sept. 28.
- Beta-allylamino propionitriles.** W. M. McLamore. 2,451,852, Oct. 19.
- Beta-alumina catalysts.** A. E. Smith and O. A. Beeck. 2,454,227, Nov. 16.
- β -aminopropionitrile, Preparation of.** S. R. Buc and J. H. Ford. 2,448,013, Aug. 31.
- Beta-aroxy carboxylic acids, Preparation of.** T. L. Gresham and F. W. Shaver. 2,449,991, Sept. 28.
- β,β' -dicyano diethyl ether, Production of.** H. Hopff and W. Rapp. 2,448,979, Sept. 7.
- Beta-cyclohexylaminoethyl benzhydryl ether and salts thereof.** G. Rieveschl, Jr. 2,437,711, Mar. 16.
- Beta-fluoroethyl thiolacetate, Producing.** E. K. Ellingboe. 2,439,203, Apr. 6.
- Beta, gamma-alkenyl ethers of glycerol, and esters thereof.** T. W. Evans and D. S. Melstrom. 2,446,464, Aug. 3.
- Beta-halo carboxylic acids, Preparation of.** T. L. Gresham and F. W. Shaver. 2,449,993, Sept. 28.
- Beta-halogenated unsaturated nitriles.** A. M. Clifford and J. G. Lichty. 2,437,998, Mar. 16.
- Beta-lactones, Preparation of.** J. R. Caldwell. 2,450,116, Sept. 28.
- β -lactones, Preparation of.** J. R. Caldwell. 2,450,117, Sept. 28.
- β -lactones, Preparation of.** J. R. Caldwell. 2,450,118, Sept. 28.
- β -lactones, Preparation of.** H. J. Hagemeyer, Jr. 2,450,132, Sept. 28.
- β -lactones, Preparation of.** H. J. Hagemeyer, Jr. 2,450,134, Sept. 28.
- β -lactones, Preparing.** H. J. Hagemeyer, Jr. 2,450,131, Sept. 28.
- Beta-picoline, Recovery of pure.** G. Riethof. 2,443,479, June 15.
- Beta-thio carboxylic acid compounds, Preparation of.** T. L. Gresham and F. W. Shaver. 2,449,992, Sept. 28.
- Beta-thio carboxylic acids, Preparation of.** T. L. Gresham. 2,449,989, Sept. 28.
- Bevel, Combination.** W. Thomas. 2,457,613, Dec. 28.
- Bevel, Combination.** W. Thomas. 2,446,067, July 27.
- Bevel gear.** F. H. Boor. 2,445,559, July 20.
- Beveler, Shoe platform.** H. R. Smith. 2,442,829, June 8.
- Beveling machine, Shoe platform.** A. J. Germain. 2,442,490, June 1.
- Beveller, Lacing.** W. E. Ahlgren. 2,434,307, Jan. 13.
- Beverage device.** F. P. Allen. 2,450,177, Sept. 28.
- Beverage dispensing apparatus, Discharge manifold for.** L. Gottlieb. 2,448,306, Aug. 31.
- Beverage dispensing apparatus, Unitary refrigerated carbonated.** R. H. Tull. 2,434,374, Jan. 13.
- Beverage package and apparatus.** W. F. Brown. 2,451,195, Oct. 12.
- Beverages, Cooling.** G. B. Pringey. 2,447,769, Aug. 24.
- Beverages, Method and apparatus for making.** J. F. Timberlake. 2,437,768, Mar. 16.
- Beverages, Preparing carbonated.** J. Kantor and E. F. Rosenberg. 2,455,681, Dec. 7.
- Bezel dop and grinding device.** J. H. Spira. 2,449,423, Sept. 14.
- Bib.** H. B. and L. D. Brose. 2,446,689, Aug. 10.
- Bib.** E. W. Miller. 2,440,666, Apr. 27.
- Bib.** I. Mink. 2,451,038, Oct. 12.
- Bib and safety jacket.** R. I. Bradley. 2,448,076, Aug. 31.
- Bib and tray cover.** L. B. Rhowmine. 2,457,725, Dec. 28.
- Bib apron.** E. N. Hudson. 2,442,293, May 25.
- Bib, Child's.** J. A. Boccleri. 2,438,547, Feb. 24.

- Bib, Infant's feeding. E. W. Gibson. 2,445,850, July 27.
- Bicycle. H. M. Hoyt. 2,440,091, Apr. 20.
- Bicycle. C. W. Kerr. 2,450,598, Oct. 5.
- Bicycle. J. R. Wheeler. 2,446,731, Aug. 10.
- Bicycle and like vehicles. W. Moller. 2,450,979, Oct. 12.
- Bicycle, Electric. S. Argyris. 2,457,430, Dec. 28.
- Bicycle generator regulated by rotor torque variations. D. McCullough. 2,453,523, Nov. 9.
- Bicycle handle. M.-M. Dufaux. 2,438,657, Mar. 30.
- Bicycle kick stand. E. L. Schofield and W. R. Lustig. 2,454,842, Nov. 30.
- Bicycle, Motor. E. A. Longenecker. 2,451,965, Oct. 19.
- Bicycle seat and luggage carrier, Combination. O. A. Dirksen. 2,436,991, Mar. 2.
- Bicycle stand. H. F. Maschin. 2,434,423, Jan. 13.
- Bicyclopaffrins, Treatment of. L. Schmerling. 2,448,156, Aug. 31.
- Bike, Snow. N. F. Foner. 2,442,404, June 1.
- Bile acid derivatives of aryl sulfonamides. A. Berczeller. 2,441,129, May 11.
- Bilge water pumping apparatus. C. I. Weir. 2,452,973, Nov. 2.
- Billfold. J. C. Miller. 2,456,300, Dec. 14.
- Billfold and card retainer, Combined. M. F. Bertalotto. 2,452,096, Oct. 26.
- Billfold and coin purse, Stitchless combined. L. Seamon. 2,455,527, Dec. 7.
- Billfold construction provided with window opening, Compartmented one-piece. L. Lampert. 2,443,392, June 15.
- Billfold having external access means. H. E. Stock. 2,434,473, Jan. 13.
- Billfold having interlocked end and edge flaps, Multipocketed. E. K. Renz. 2,439,579, Apr. 13.
- Billfold, Secret pocket. M. Becker. 2,438,655, Mar. 30.
- Billfold with interlocked closure flaps, Stitchless. W. A. Pence. 2,434,121, Jan. 6.
- Billfold with interlocked pocket forming flaps, Stitchless. E. K. Renz. 2,439,580, Apr. 13.
- Billfold with secret compartment. A. A. Seamon. 2,444,581, July 6.
- Bimetallic articles, Bending. C. H. Tower and F. J. Lowey. 2,446,891, Aug. 10.
- Bimetallic bodies, Manufacturing. J. W. Kinnear, Jr. 2,438,405, Mar. 23.
- Bimetallic articles, Shaping. F. J. Lowey. 2,446,892, Aug. 10.
- Bin construction, Display. H. B. Bourland. 2,434,985, Jan. 27.
- Bin, Garment hanger. J. C. Burt. 2,454,858, Nov. 30.
- Bin, Inclined. T. Shaw. 2,455,706, Dec. 7.
- Binder. S. Segal. 2,439,868, Apr. 20.
- Binder for loose sheets. J. and F. S. Schade. 2,443,150, June 8.
- Binder for record albums or scrap books, Strip. J. D. Kniznick. 2,444,355, June 29.
- Binder for sewing machines, Strip reversing. J. E. Ackerman. 2,452,419, Oct. 26.
- Binder, Loose-leaf. A. N. Hanna. 2,440,945, May 4.
- Binder, Loose-leaf. E. E. Harper. 2,453,507, Nov. 9.
- Binder, Loose-leaf. J. A. Purvis. 2,437,360, Mar. 9.
- Binder, Loose-leaf. S. Segal. 2,439,675, Apr. 13.
- Binder, Loose-leaf. S. Segal. 2,447,963, Aug. 24.
- Binder, Loose-leaf. H. D. Snyder. 2,439,826, Apr. 20.
- Binder mechanism. J. Schade. 2,447,775, Aug. 24.
- Binder, Ring. J. Schade. 2,435,848, Feb. 10.
- Binder rings and making same. I. Spinner. 2,435,561, Feb. 3.
- Binder, Three-prong loose-leaf. J. A. Murray. 2,453,807, Nov. 16.
- Binding. C. E. Emmer. 2,450,785, Oct. 5.
- Binding. R. E. Setterberg. 2,436,611, Feb. 24.
- Binding implement. J. R. Burns. 2,454,135, Nov. 16.
- Binding machine, Bundle. P. A. Chamberlain. 2,438,386, Mar. 23.
- Binding post, Spring. B. Fox. 2,447,324, Aug. 17.
- Binding, Water ski. R. E. Drake. 2,445,610, July 20.
- Biochemically processed liquid base material, Production of, for food products. G. A. Jeffreys. 2,452,534, Nov. 2.
- Biological production of riboflavin. F. W. Tanner, Jr., L. J. Wickerham, and J. M. Van Lanen. 2,445,128, July 13.
- Bipod assembly for guns, Folding. E. F. Adams. 2,436,349, Feb. 17.
- Bipolar magnetic control record. R. I. Roth. 2,436,829, Mar. 2.
- Birdproofing. J. S. Peles. 2,456,731, Dec. 21.
- Bis-(3,5,6-trichloro-2-hydroxyphenyl) methane, Making. M. Luthy and W. S. Gump. 2,453,593, Feb. 10.
- Bit: See—
Key bit. Poultry bit.
- Bit and holder therefor, Tool. H. M. Sheridan. 2,449,823, Sept. 21.
- Bit and holder therefor, Tool. H. M. Sheridan. 2,451,246, Oct. 12.
- Bitt, Mooring. K. C. Kortum. 2,435,447, Feb. 3.
- Bitumen coated fibrous material, Making. C. M. Baskin. 2,438,890, Apr. 6.
- Bituminous bonding composition. C. L. Read and A. H. Gleason. 2,436,599, Feb. 24.
- Bituminous flame resistant compositions and articles coated therewith. J. W. Olson and C. W. Bechle. 2,442,706-7, June 1.
- Blackboard. L. J. Gold. 2,452,235, Oct. 26.
- Blackboard, Collapsible. W. Amstutz. 2,456,103, Dec. 14.
- Bladder, Flexible collapsible fluid. A. N. Spanel. 2,438,351, Mar. 23.
- Blade and cover blind shutter for cameras. D. C. Harvey. 2,443,164, June 8.
- Blade and handle, Saw. O. Carlson. 2,455,853, Dec. 7.
- Blade construction, Propeller. E. Martin. 2,451,106, Oct. 12.
- Blade construction, Propeller. R. H. Mills. 2,450,440, Oct. 5.
- Blade container. G. Dalkowitz. 2,439,243, Apr. 6.
- Blade container. E. A. Locke, Jr. 2,453,238, Nov. 9.
- Blade, Fan. A. Kern. 2,456,710, Dec. 21.
- Blade handling device. J. Muros. 2,454,197, Nov. 16.
- Blade holder. M. S. Corbett. 2,453,198, Nov. 9.
- Blade honing device. N. B. Anderson. 2,437,495, Mar. 9.
- Blade mounting. R. H. Reed. 2,445,154, July 13.
- Blade packaging. N. Testi. 2,442,328, May 25.
- Blade, Propeller. J. T. McCormick. 2,453,803, Nov. 16.
- Blade, Rotor. M. E. Gluhareff. 2,447,118, Aug. 17.
- Blade, Safety razor. H. Ruskin. 2,439,909, Apr. 20.
- Blade scalpel, Detachable. W. E. Steele. 2,454,353, Nov. 23.
- Blade with vibrating attachment, Earth-mover. E. W. Austin. 2,443,492, June 15.
- Blank advancing means. G. A. Anderson. 2,451,648, Oct. 19.
- Blank for propeller blades, Spot milling tubular. D. J. Davis. 2,437,317, Mar. 9.
- Blanket and control therefor, Electric. L. W. Cook. 2,446,810, Aug. 10.
- Blanket, Cargo. F. L. Davis. 2,455,237, Nov. 30.
- Blanket control, Electric. H. W. A. Chalberg. 2,456,916, Dec. 21.
- Blanket, Fluid galvanizing. D. L. Shanklin. 2,443,169, June 8.
- Blanket insulation and method of and apparatus for forming the same. L. M. Gilman. 2,435,347, Feb. 3.
- Blanket, Multipurpose. L. Vacheron. 2,442,105, May 25.
- Blanket or the like and fabricating same, Heating. A. J. Huck. 2,439,892, Apr. 20.
- Blanket, Textile print. W. C. Ross and S. B. Neiley. 2,436,761, Feb. 24.
- Blanking apparatus. C. M. Beyer. 2,437,994, Mar. 16.
- Blanks, Cutting. J. E. Socke. 2,446,198, Aug. 3.
- Blanks, Machining article. E. Sirp. 2,446,672, Aug. 10.
- Blast-furnace salamanders, Method and mold for casting. W. J. Rees. 2,450,989, Oct. 12.
- Blast torch. S. C. Brody. 2,455,220-22, Nov. 30.
- Blast torch perforated combustion burner. S. C. Brody. 2,455,223, Nov. 30.
- Blasting machine, Shot. W. E. Jewell. 2,449,745, Sept. 21.
- Blasting plug. J. Q. du Pont and E. R. Jones. 2,449,645, Sept. 21.
- Blasting room. W. L. Keefer. 2,440,222, Apr. 20.
- Bleaching bath and bleaching color film. F. J. Kaszuba. Re. 22,977, Feb. 24.
- Bleaching by hydrosulfite, Groundwood. H. J. Cronin. 2,450,034, Sept. 28.
- Blending powder grains. C. N. Hickman. 2,437,694, Mar. 16.
- Blind flying and blind landing system for aviation flight trainers. C. J. Crane, G. V. Holloman, C. W. Muller, and R. K. Stout. 2,457,130, Dec. 28.
- Blinders for poultry, Flexible antipicking. D. Wolfson and H. Seiden. 2,445,867, July 27.
- Blind-stitched piping and producing same. C. Seaman. 2,437,977, Mar. 16.
- Block: See—
Bolster block. Magnetic block.
Building block. Pulley block.
Cable grab block. Sanding block.
Chuck block. Sealed insulation block.
Coin display block. Snatch block.
Cutting block. Toy block.
Cylinder block. Wire drawing block.
Glass building block.
- Block and support stand, Reversible meat. L. A. Bennett. 2,440,629, Apr. 27.
- Block cleaner. J. V. Frendo. 2,443,001, June 8.
- Block for metal stretching presses, Elastic covered form. J. J. Walsh. 2,444,123, June 29.
- Block form, Building. T. L. Green. 2,440,582, Apr. 27.
- Blocking apparatus for forming crowns of headgear and other articles. E. Cairns. 2,440,845, May 4.
- Blocking layer rectifier. S. S. Fry. 2,446,466, Aug. 3.
- Blocking voltage in current converter valves, Influencing the. U. Lamm. 2,449,396, Sept. 14.
- Blood drawing instrument. J. C. Soet. 2,437,408, Mar. 9.
- Blood extracting apparatus. L. Tantomaco. 2,451,183, Oct. 12.
- Blotting device for duplicating machines, Friction-rotary. J. S. McLane. 2,456,009, Dec. 14.
- Blouse. J. Brown. 2,446,209, Aug. 3.
- Blouse. E. T. Cherin and B. Favorman. 2,447,735, Aug. 24.
- Blow head for glass container making machines. O. H. Samuelson and A. T. Zappia. 2,442,315, May 25.
- Blow pipe for thermochemically removing surfaces of metal bodies, Post-mixed. R. S. Babcock. 2,435,117, Jan. 27.
- Blower. O. G. Berg. 2,437,183, Mar. 2.
- Blower. T. S. Briskin. 2,440,363, Apr. 27.

- Blower. B. Essick. 2,450,647, Oct. 5.
 Blower. B. J. Paulson. 2,434,745, Jan. 20.
 Blower apparatus. W. B. Flanders. 2,441,239, May 11.
 2,447,961, Aug. 24.
 Blower, Centrifugal. C. F. Jenkins. 2,439,933, Apr. 20.
 Blower, compressor and exhauster, Rotary. J. Rodway.
 Blower construction, Soot. C. L. Howse. 2,442,043,
 May 25.
 Blower control device for suction cleaners. J. H. Nuffer
 and L. H. Latta. 2,439,182, Apr. 6.
 Blower control, Traction motor. J. W. Teker. 2,445,192,
 July 13.
 Blower, Cotton conveyor. C. R. Hagen. 2,440,770, May 4.
 Blower, Interengaging impeller rotary positive displace-
 ment. R. P. McCulloch and J. L. Ryde. 2,448,901,
 Sept. 7.
 Blower or pump, Interengaging impeller type. A. O. Wil-
 liams. 2,437,658, Mar. 9.
 Blower, Reversible rotary. F. B. Yingling. Re. 23,015,
 July 6.
 Blower type radiant heater. E. F. Hardey. 2,456,781,
 Dec. 21.
 Blowing apparatus, Oil well. J. B. Hawley, Jr. 2,450,140,
 Sept. 28.
 Blowoff valve for steam boilers, Continuous. H. E. May.
 2,448,816, Sept. 7.
 Blowpipe apparatus. H. W. Jones. 2,456,784, Dec. 21.
 Blowpipe apparatus. E. Meincke and H. T. Smith.
 2,444,900, July 6.
 Blowpipe apparatus for thermochemically removing
 metals. E. Meincke and J. M. Elsmann. 2,444,899,
 July 6.
 Blowpipe head. W. J. Jacobsson. 2,442,414, June 1.
 Blowpipe head, Multiflame. J. C. Robbins and T. Mc-
 Cloyne machine. A. M. Keller. 2,443,251, June 15.
 Elrath, Jr. 2,442,437, June 1.
 Blowtorch with continuously burning vaporizer and ig-
 niter. H. L. Baum. 2,442,394, June 1.
 Blueprint material and manufacturing the same, Light
 sensitive. M. M. P. Vallen and J. M. H. van den Dolder.
 2,443,844, June 22.
 Board: See—
 Accounting board. Game board.
 Apparatus for coating fiber Lath board.
 Insulation board. Motor switch, mounting
 and terminal board.
 Bowling game board. Outdoor card game board.
 Card shuffling and place- Sanding block.
 ment board. Shampoo board.
 Checked game board. Shirt board.
 Composite board. Spotting board.
 Cribbage board. Table and ironing board.
 Cutlery display board. Trimming board.
 Electrical game board.
 Board and protractor square, Plotting. E. Leshner.
 2,436,392, Feb. 24.
 Board game device. M. Bruck. 2,451,196, Oct. 12.
 Board pry. E. L. Krieg. 2,449,393, Sept. 14.
 Boards, Process and apparatus for making laminated.
 C. A. Upson. 2,433,965, Jan. 6.
 Boat. P. E. Mercier and R. Villers-Allerand. 2,451,855,
 Oct. 19.
 Boat. M. A. Wallace. 2,446,860, Aug. 10.
 Boat, Adjustable sectional. F. L. Fulke. 2,441,999,
 May 25.
 Boat, Collapsible. C. Ormond. 2,451,866, Oct. 19.
 Boat, Collapsible, and making the same. C. F. Schwall,
 Jr. 2,456,086, Dec. 14.
 Boat loading device. G. W. Harder. 2,448,591, Sept. 7.
 Boat mooring device. J. W. Princell. 2,456,839, Dec. 21.
 Boat, Portable. J. H. Thedick. 2,457,010, Dec. 21.
 Boat rack means on automobiles. M. Lait. 2,446,092,
 July 27.
 Boat, Sectional. S. G. House. 2,443,767-8, June 22.
 Boat-steering mechanism, Automatic. G. W. Crise.
 2,448,778, Sept. 7.
 Boatswain's chair. J. W. McCormick. 2,433,859, Jan. 6.
 Boatbuilder's clamp. L. A. Hansen and K. E. Forsberg.
 2,441,020, May 4.
 Bobber stop for fishlines, Releasable. V. Van Brunt.
 2,440,989, May 4.
 Bobbin carrier for braiding machines. P. L. Hobourn and
 W. H. Joy. 2,448,312, Aug. 31.
 Bobbin chute for looms. R. G. Turner. 2,443,876, June 22.
 Bobbin clutch. J. J. Pichette. 2,442,247, May 25.
 Bobbin construction, Reinforced plastic. J. R. Moss.
 2,453,247, Nov. 9.
 Bobbin control for battery looms. G. F. Bahan. 2,455,463,
 Dec. 7.
 Bobbin control for weft replenishing mechanism. R. G.
 Turner. 2,439,704, Apr. 13.
 Bobbin feed for picks and pick looms, Uniform. E. A.
 Santon. 2,443,013, June 8.
 Bobbin handling mechanism. R. P. Drake. 2,445,998,
 July 27.
 Bobbin holder. J. P. Garey. 2,445,849, July 27.
 Bobbin holder. A. J. Strozinski. 2,445,642, July 20.
 Bobbin lifter. R. J. Bartholomew. 2,450,074, Sept. 28.
 Bobbin lock. W. J. Vaillancourt. 2,449,253, Sept. 14.
 Bobbin magazine for weft replenishing looms. R. G.
 Turner. 2,455,149, Nov. 30.
 Bobbin marking mechanism. G. Clark. 2,448,773, Sept. 7.
 Bobbin, Plastic. P. B. Wilson. 2,448,242, Aug. 31.
 Bobbin winder for sewing machines. S. Adler. 2,455,638,
 Dec. 7.
 Bobbin winder for sewing machines. L. C. Marsac.
 2,450,837, Oct. 5.
 Bobbin winder, Sewing machine. C. S. Best. 2,449,835,
 Sept. 21.
 Body and bolster, Truck. W. B. Pridy. 2,450,204, Sept.
 28.
 Body, Combined tractor and truck. A. E. Deal. 2,442,889,
 June 8.
 Body garment. M. C. Fridolph. 2,445,322, July 20.
 Body restraint for infants. H. I. Strandhagen. 2,456,898,
 Dec. 21.
 Body tipping apparatus for motor vehicles. P. A. Brick.
 2,452,516, Oct. 26.
 Boiler: See—
 Egg boiler. Liquid air boiler.
 Electric boiler. Sectional type boiler.
 Fire and water tube boiler. Selenium boiler.
 Boiler. M. C. Crotty. 2,451,321, Oct. 12.
 Boiler construction. C. R. Briggs. 2,437,347, Mar. 9.
 Boiler for tubular-section type. A. J. Gallaher. 2,454,866,
 Nov. 30.
 Boiling out steam boilers prior to placing them in operation
 and composition therefor. W. W. Cerna. 2,439,784,
 Apr. 13.
 Bolland. D. A. G. Ross. 2,439,988, Apr. 20.
 Bolster and lingerie support, Shoulder. A. E. Farrell.
 2,448,141, Aug. 31.
 Bolster block. C. J. Bath. 2,456,856, Dec. 21.
 Bolster mechanism of the fifth wheel type. F. C. Roxy.
 2,436,485, Feb. 24.
 Bolt: See—
 Door lock bolt.
 Bolt, Blind. J. de Swart. 2,435,876, Feb. 10.
 Bolt, Connector. F. Pennell. 2,450,158, Sept. 28.
 Bolt for towing poles, Latch. E. C. Christensen.
 2,447,737, Aug. 24.
 Bolt holding tool. E. W. Davis. 2,454,309, Nov. 23.
 Bolt protector. F. S. Young. 2,456,234, Dec. 14.
 Bolt puller. G. W. Gray and C. B. Wade. 2,452,457,
 Oct. 26.
 Bolt or nut, Lock. D. M. Gilman. 2,449,846, Sept. 21.
 Bolt pointing machine. E. Girard. 2,448,305, Aug. 31.
 Bolt rethreading apparatus. G. C. Hardie. 2,444,602,
 July 6.
 Bolt, Toggle. H. N. Boyer. 2,448,700, Sept. 7.
 Bolt tightening apparatus. M. I. Killmer. 2,436,650,
 Feb. 24.
 Bomb, Aerial. L. Barber. 2,434,452, Jan. 13.
 Bomb, Aerial. G. R. Leghorn. 2,440,282, Apr. 27.
 Bomb, Aerial. B. Nogueira. 2,442,374, June 1.
 Bomb, Aerial. G. M. O'Rear. 2,450,910, Oct. 12.
 Bomb-carrying apparatus for aircraft. C. C. Slate.
 2,453,869, Nov. 16.
 Bomb container for aircraft, Exterior. J. C. Darnall.
 2,451,476, Oct. 19.
 Bomb detonating mechanism. J. H. Hammond, Jr.
 2,438,438, Mar. 23.
 Bomb for use as aerial bomb and land mine, Explosive.
 J. R. Hampson. 2,444,197, June 29.
 Bomb lift, Fighter airplane. W. W. Ryan. 2,454,840,
 Nov. 30.
 Bomb rack. O. L. Stockton. 2,435,639, Feb. 10.
 Bomb release mechanism. E. W. Chafee and H. C. Van
 Auker. 2,435,575, Feb. 10.
 Bomb release system, Radio. J. H. Ludwig. 2,453,996,
 Nov. 16.
 Bomb release system, Radio. R. C. Sanders, Jr.
 2,444,678, July 6.
 Bombs and other objects, Engaging and hoisting. C. C.
 Slate. 2,438,405, Feb. 24.
 Bombs, pyrotechnic devices, and the like. J. Imber.
 2,434,162, Jan. 6.
 Bombsight computer. S. Darlington. 2,438,112, Mar. 23.
 Bombsight, Computing. S. Darlington, C. H. Townes, and
 D. E. Wooldridge. 2,439,381, Apr. 13.
 Bonding a nickel electrodeposit to a nickel surface. R. C.
 McQuire. 2,457,059-61, Dec. 21.
 Bonding cable terminal bracket. H. A. Elkins. 2,443,000,
 June 8.
 Bonding compositions, Vitreous. D. O. Koch. 2,457,158,
 Dec. 28.
 Bone. J. J. Birl. 2,436,283, Feb. 17.
 Book and the production thereof. K. P. Martin and W. P.
 Rowland. 2,434,502, Jan. 13.
 Bookbinding and producing the same. J. F. Bosch.
 2,455,971, Dec. 14.
 Book construction, Loose-leaf. M. Vernon. 2,435,521,
 Feb. 3.
 Book, Copy and practice. S. T. Bell. 2,455,353, Dec. 7.
 Bookholder for bedsteads. R. L. Phillips. 2,448,734,
 Sept. 7.
 Bookkeeping appliance. J. Zalkind. 2,439,537, Apr. 13.
 Bookmark. H. E. Chapin. 2,437,074, Mar. 2.
 Bookmark. J. H. Forsyth. 2,449,211, Sept. 14.
 Bookmark. W. J. Graham. 2,438,048, Mar. 16.
 Bookmark. C. H. C. Hayes. 2,435,886, Feb. 10.
 Bookmark. A. Pascoe. 2,442,708, June 1.
 Bookmark. E. Polak. 2,449,319, Sept. 14.
 Bookholder. G. T. Rogers. 2,439,950, Apr. 20.
 Bookholder. F. Seidel. 2,445,864, July 27.
 Bookmarker. J. W. Hamilton. 2,457,662, Dec. 28.
 Bookmarker, Magnetic. W. S. Martin. 2,448,611, Sept. 7.
 Book support for chairs, Detachable. W. T. Clawson.
 2,452,183, Oct. 26.

- Boost regulator. C. E. Cole. 2,444,185, June 29.
 Booster control, Ammunition. L. S. Carless. 2,456,618, Dec. 21.
 Booster for brake systems. E. R. Price. 2,446,884, Aug. 10.
 Booster mechanism, Manually controlled power. B. Ulinski. 2,453,949, Nov. 16.
 Booster type servomotor system. C. L. Johnson and R. R. Richolt. 2,437,536, Mar. 9.
 Boot, Child's. H. E. Rosen. 2,438,978, Apr. 6.
 Boot, Close-fitting. F. F. Olson. 2,455,801, Dec. 7.
 Boot, Dog. M. M. Jones. 2,446,371, Aug. 3.
 Boot, Double. W. H. Smith. 2,439,493, Apr. 13.
 Boot drier. E. H. Lieber. 2,446,234, Aug. 3.
 Boot drying apparatus. G. F. Gruver. 2,444,195, June 29.
 Boot upper, Cowboy. J. Z. Miller and L. M. Easterling. 2,446,158, July 27.
 Boot with removable protective lining, Storm. A. Woyach. 2,440,563, Apr. 27.
 Bootee. E. E. Griffin. 2,444,822, July 6.
 Boot and drying chamber, Combination spraying. L. E. Padelford. 2,445,451, July 20.
 Booth, Spray. J. H. McCue. 2,445,074, July 13.
 Booth, Telephone. H. I. Beardsley and H. W. Meehan. 2,438,891, Apr. 6.
 Boots on universal joints, Installing. G. E. Dunn. 2,442,640, June 1.
 Bore gauge. E. H. Aldeborgh and A. H. Emery. 2,443,881, June 22.
 Bore gauge. E. A. Cooke. 2,439,595, Apr. 13.
 Bore gauge. J. H. Worthen. 2,435,949, Feb. 10.
 Bore gauge. J. H. Worthen. 2,454,246, Nov. 16.
 Bore holes, Method and apparatus for logging. G. Herzog and K. C. Crumrine. 2,443,731, June 22.
 Boring apparatus. W. J. Nightingale. 2,447,424, Aug. 17.
 Boring apparatus. J. G. and A. G. Sharratt. 2,439,492, Apr. 13.
 Boring attachment. E. W. Jackson. 2,438,607, Mar. 30.
 Boring bar. E. A. Zempel. 2,435,065, Jan. 27.
 Boring head. N. Bell. 2,452,828, Nov. 2.
 Boring head. W. P. G. Hall. 2,457,040, Dec. 21.
 Boring head. H. E. Tautz. 2,442,444, June 1.
 Boring machine, Earth. R. H. Dobbs. 2,453,204, Nov. 9.
 Boring mill. O. E. Schurr. 2,445,497, July 20.
 Boring mill. O. E. Schurr. 2,456,741, Dec. 21.
 Boring tool assembly, Retractable. W. Coulson. 2,438,741, Mar. 30.
 Bottle, Air-vented nursing. D. E. Hamiel. 2,434,612, Jan. 13.
 Bottle cap. S. Gattuccio and L. G. Cerruti. 2,450,949, Oct. 12.
 Bottle cap. P. Gavrilas. 2,449,290, Sept. 14.
 Bottle cap. V. Guarnaschelli. 2,436,297, Feb. 17.
 Bottle cap. R. Krasberg. 2,444,779, July 6.
 Bottle cap. J. de Swart. 2,439,845, Apr. 20.
 Bottle cap. F. Vogel. 2,447,146, Aug. 17.
 Bottle cap remover. R. Van Trine. 2,454,531, Nov. 23.
 Bottle capper. R. P. Craig and J. W. Norgauer. 2,449,161, Sept. 14.
 Bottle caps, Applying. E. M. Bright. 2,451,273, Oct. 12.
 Bottle carrier. C. W. Anderson. 2,448,204, Aug. 31.
 Bottle carrier. L. S. Baier. 2,436,501, Feb. 24.
 Bottle carrier. J. F. Curriuan. 2,441,346, May 11.
 Bottle carrier. F. P. Doppelheuer. 2,447,934, Aug. 24.
 Bottle carrier. M. G. Hall and T. Hurbam, Jr. 2,457,307-8, Dec. 28.
 Bottle carrier. J. Harhay. 2,453,908, Nov. 16.
 Bottle carrier. P. J. Hazelet. 2,435,833, Feb. 10.
 Bottle carrier. G. W. Howell. 2,454,178, Nov. 16.
 Bottle carrier. J. A. Lamprecht. 2,443,985, June 22.
 Bottle carrier. H. H. Marshall. 2,435,178, Jan. 27.
 Bottle carrier. D. W. Mattson. 2,433,857, Jan. 6.
 Bottle carrier. W. A. Morse. 2,441,834, May 18.
 Bottle carrier. C. S. Price. 2,446,161, July 27.
 Bottle carrier. J. W. Simmons. 2,436,271, Feb. 17.
 Bottle carrier. L. I. Smith. 2,437,667, Mar. 9.
 Bottle closure. E. Greene. 2,445,395, July 20.
 Bottle closure. S. Bloomfield. 2,454,126, Nov. 16.
 Bottle closure. L. M. Mallick. 2,437,882, Mar. 16.
 Bottle container. V. Von Clemm. 2,453,286, Nov. 9.
 Bottle cooling apparatus. R. H. Tull, E. C. Tanner, and W. Ardito. 2,442,882, June 8.
 Bottle decapping and pouring mechanism for vending machines. G. H. Hansen, Jr. 2,438,050, Mar. 16.
 Bottle dispenser. A. Blair and F. H. Collins. 2,446,807, Aug. 10.
 Bottle dispenser. E. A. Terhune. 2,441,519, May 11.
 Bottle handling apparatus. R. F. Hammen. 2,452,927, Nov. 2.
 Bottle holder. P. E. Allen. 2,450,927, Oct. 12.
 Bottle holder. H. C. Andersen. 2,437,800, Mar. 16.
 Bottleholder. R. A. Cox and L. D. Hartsfield. 2,451,923, Oct. 19.
 Bottle holder and heater, Combined. V. A. Arens. 2,445,930, July 27.
 Bottle loader, Manually-operated. J. and J. S. Larmett. 2,441,494, May 11.
 Bottle, Nonrefillable. L. M. Bumgarner. 2,447,484, Aug. 24.
 Bottle, Nursing. A. I. Gaimari. 2,446,917, Aug. 10.
 Bottle, Nursing. D. E. Hamiel. 2,434,611, Jan. 13.
 Bottle, Paper. F. D. Palmer. 2,435,155, Jan. 27.
 Bottle release mechanism. W. I. Reilly. 2,441,289, May 11.
 Bottle, Sanitary nursing. R. M. Soper. 2,456,337, Dec. 14.
 Bottle seal cutter. A. J. and C. M. Jahn. 2,439,894, Apr. 20.
 Bottle tap, Paper. J. P. Jones. 2,453,133, Nov. 9.
 Bottle transferring apparatus. E. H. Schmidt. 2,442,827, June 8.
 Bottle warming device. L. Schworm, Jr. 2,449,723, Sept. 21.
 Bottles, Improving mix and drying exteriors of. G. P. Stout. 2,436,082, Feb. 17.
 Bottling machine. R. T. Allen. 2,443,757, June 22.
 Bottom dumping material handling box. E. W. Riemen-schneider and L. W. Shea. 2,445,038, July 13.
 Bottom hole orientation. H. G. Livingston. 2,438,293, Mar. 23.
 Bottom roll clearer for textile machines. W. F. Lee. 2,446,839, Aug. 10.
 Bottom structure for bessemer converters. E. E. Slick. 2,456,798, Dec. 21.
 Bourdon tube end cap. E. A. McCoy. 2,455,512, Dec. 7.
 Bowl perimeter. H. Papritz. 2,441,031, May 4.
 Bowling ball. B. J. Seurnyck. 2,436,976, Mar. 2.
 Bowling ball attachment. B. J. Seurnyck. 2,435,327, Feb. 3.
 Bowling game board. J. Willard. 2,453,610, Nov. 9.
 Bowling pins, Making. R. C. and R. E. Clark. 2,446,213, Aug. 3.
 Bowling score indicator. T. R. Blando. 2,452,288, Oct. 26.
 Box: See—
 Annealing box. Fused wall outlet box.
 Axle box. Journal box.
 Baby chick shipping box. Knitting box.
 Ballot box. Letter box.
 Bank or jewelry box. Lunch box.
 Bottom dumping material handling box. Mail box.
 Combined dispensing and blade holding box. Mattress filling box.
 Crayon box. Millinery box.
 Dispensing pill box. Music box.
 Display box. Razor blade box.
 Dumping box. Rotary lock box.
 Electric fuse box. Sealed box.
 Electrical outlet box. Shoe toe box.
 Folding box. Stuffing box.
 Folding paper box. Switch and plug box.
 S. B. De Mian. 2,450,035, Sept. 28.
 Venetian blind head box.
 Box. S. B. De Mian. 2,450,035, Sept. 28.
 Box blank separator. M. Van Brummelen. 2,455,836, Dec. 7.
 Box clamp. L. C. Sonnenschein. 2,437,485, Mar. 9.
 Box construction. H. J. Mackin. 2,435,838, Feb. 10.
 Box fastening means. W. Trogman. 2,445,412, July 20.
 Box for eggs, Cardboard. P. E. V. Jacobsen. 2,436,997, Mar. 2.
 Box for rotary spindles, Stuffing. J. A. Mrosco. 2,434,670, Jan. 20.
 Box having a drawer and a cover and interconnecting latching and locking means thereof. C. B. Gash. 2,440,541, Apr. 27.
 Box machine, Folding. W. A. Ringler. 2,440,120, Apr. 20.
 Box magazine for firearms. C. H. Warner. 2,441,735, May 18.
 Box stacker. C. Straw. 2,452,020, Oct. 19.
 Box structure, Journal. T. R. Weber. 2,455,031, Nov. 30.
 Boxes from laminations of felted fibrous material impregnated with synthetic resin, Molding of. A. Amigo. 2,446,038, July 27.
 Brace, Adjustable fender skirt. A. R. Hayes. 2,450,958, Oct. 12.
 Brace, Drop-foot. R. F. Markkula. 2,444,839, July 6.
 Brace, Fender. R. J. Van Stone. 2,455,629, Dec. 7.
 Brace for fences, Corner. J. Verner. 2,445,545, July 20.
 Brace for freight cars, Lading. J. P. Murphy, Jr. 2,437,832, Mar. 16.
 Brace for floor brushes. G. G. Greene, Sr. 2,442,684, June 1.
 Brace for vehicles, especially for automobiles. J. P. Tar-box. 2,436,620, Feb. 24.
 Brace, Rail. G. S. Vickroy. 2,449,260, Sept. 14.
 Brace, Tubular elastic. F. D. Johnson. 2,435,007, Jan. 27.
 Braced head dome valve. R. E. Cummings. 2,439,240, Apr. 6.
 Bracelet and making same. L. Kreisler and J. G. Siska. 2,451,750, Oct. 19.
 Bracelet and manufacture, Flexible mesh. J. G. Siska. 2,451,780, Oct. 19.
 Bracelet catch, Foldable. J. Bikoff. 2,457,200, Dec. 28.
 Bracelet construction. G. and S. K. Lipschitz. 2,442,546, June 1.
 Bracelet, Expansion. H. Cleinman. 2,434,144, Jan. 6.
 Bracelet, Expansive. R. H. Whitehead. 2,434,729, Jan. 20.
 Bracelet or the like and making the same. L. Kreisler. 2,451,749, Oct. 19.
 Bracing device for bombs on aircraft. R. M. Elder and J. J. Domoj. 2,451,481, Oct. 19.

Bracket: See—

Adjustable bracket.
Adjustable window shade bracket.
Antenna mounting bracket.
Bonding cable terminal bracket.
Clamp bracket.
Concrete form waler bracket.
Easel bracket.
Flatiron holder bracket.
Fluorescent ballast bracket.
Handy scaffold bracket.
Hanger bracket.
Holddown bracket.
Indicator mounting bracket.
Ladder bracket.
Lavatory supporting bracket.

Mailbox bracket.
Paint bucket bracket.
Rayon spinning funnel bracket.
Removable bracket.
Rockable shelf bracket.
Shade roller bracket.
Telephone handset bracket.
Takedown type swing-out-of-the-way wall bracket.
Tool mounting bracket.
Transposition bracket.
Universal all wire bracket.
Water bag bracket.
Wedge type bracket.
Window bracket.
Window shade spring adjusting bracket.

Bracket, M. Drije. 2,450,722, Oct. 5.
Bracket for armchair accessory seats. W. O. Flatt. 2,453,007, Nov. 2.

Bracket construction. E. S. Boston. 2,447,228, Aug. 17.
Bracket for instrument cases, Mounting. C. A. Blakeslee. 2,440,324, Apr. 27.

Bracket for mounting antenna masts. J. W. Shur. 2,439,063, Apr. 6.

Bracket means for sun visors, Adjustable angular. J. P. and J. G. Groboski. 2,447,246, Aug. 17.

Bracket mounting. H. G. Lehmann. 2,440,409, Apr. 27.
Bracket support for metal shelves. H. L. Schroeder. 2,441,721, May 18.

Bracket with adjustable shoe tree, Shoe shining. H. J. Jackson. 2,446,931, Aug. 10.

Bracket supported suspended chair. V. and V. Zdanaitis. 2,446,036, July 27.

Brackets, Takedown type wall. R. E. McLean. 2,437,647, Mar. 9.

Braid shielding. S. C. Miller. 2,443,632, June 22.

Braid-stitch crochet hook. C. L. Mock. 2,440,413, Apr. 27.

Braiding machine. O. F. Goepfert. 2,444,436, July 6.

Braiding machine carrier. A. T. Lochner. 2,452,250, Oct. 26.

Braiding machine for endless belts or the like. J. M. Marti. 2,452,136, Oct. 26.

Brake: See—

Airplane air brake.
Antigrind-loop brake.
Bending brake.
Coaster brake.
Disk brake.
Hand brake.
Handle operated brake.
Hydraulic brake.
Induction motor brake.

Internal expanding vehicle brake.
Load compensating brake.
Railway brake.
Reverse brake.
Ski brake.
Spindle brake.
Vehicle brake.

Brake and clutch mechanism for transmissions. G. A. Geddes. 2,454,917, Nov. 30.

Brake and dampener for rocking bobbin magazines. R. G. Turner. 2,437,627, Mar. 9.

Brake and hoist combination, Aerodynamic. J. B. Black and W. F. Shurts. 2,448,855, Sept. 7.

Brake and jack system, Vehicle. F. Sragal. 2,444,272, June 29.

Brake and safety leg for perambulators, Combined. A. M. Boudreau. 2,456,250, Dec. 14.

Brake and sanding control apparatus. G. K. Newell. 2,447,713, Aug. 24.

Brake and steering mechanism, Combined. W. A. Eaton. 2,454,999, Nov. 30.

Brake apparatus. H. M. Linhart. 2,445,680, July 20.

Brake apparatus, Fluid pressure. H. J. Butler. 2,457,344, Dec. 28.

Brake applying mechanism. C. S. McCarthy. 2,437,396, Mar. 9.

Brake arrangement. P. W. Gaenssle. 2,447,244, Aug. 17.

Brake arrangement, Disc. C. E. Tack. 2,438,481, Mar. 23.

Brake arrangement for railway disc brakes. R. B. Cottrell and W. A. Helsten. 2,438,473, Mar. 23.

Brake arrangement, Railway disc. C. E. Tack. 2,438,482, Mar. 23.

Brake band for slusher hoists, Adjustable. R. D. Roth. 2,435,754, Feb. 10.

Brake beam. C. R. Moline. 2,436,263, Feb. 17.

Brake beam. O. Otterson. 2,446,341, Aug. 3.

Brake beam. F. Schaefer. 2,455,316, Nov. 30.

Brake beam support. D. S. Barrows. 2,436,738, Feb. 24.

Brake beam support. D. S. Barrows. 2,447,458, Aug. 17.

Brake booster, Hydraulic. G. R. Elliott. 2,455,985, Dec. 14.

Brake construction, Floating external contracting. J. Borland. 2,435,867, Feb. 10.

Brake control, Automatic. A. O. Roberts and J. J. Wharam. 2,457,729, Dec. 28.

Brake control device. C. L. Eksergian. 2,437,423, Mar. 9.

Brake control system. J. C. McCune. 2,440,343, Apr. 27.

Brake control, Tractor trailer. F. G. Born. 2,452,033, Oct. 26.

Brake control valve for tractors. B. E. House and R. A. Goepfrich. 2,442,601, June 1.

Brake cylinder mounting. W. H. Baselt. 2,449,636, Sept. 21.

Brake device, Hill-holding. L. A. Dickens. 2,438,154, Mar. 23.

Brake drum assembly. W. D. Davidson. 2,457,352, Dec. 28.

Brake drum cooling device. C. V. Middleton. 2,436,758, Feb. 24.

Brake drum trueing machine. G. E. Klassett. 2,434,498, Jan. 13.

Brake equipment, Load compensating fluid pressure. E. E. Hewitt. 2,447,857, Aug. 24.

Brake for automobiles and the like, Friction disk. E. L. Page. 2,454,084, Nov. 16.

Brake for band-saw blades, Safety. J. P. Morgan. 2,434,174, Jan. 6.

Brake for deceleration of centrifugal machines, Speed responsive. C. A. Olcott. 2,453,854, Nov. 16.

Brake for hand trucks, Tongue actuated. W. C. House. 2,453,575, Nov. 9.

Brake for guns, Muzzle. G. A. Barker. 2,444,910, July 13.

Brake for railway vehicles, Disc. W. H. Baselt. 2,436,136, Feb. 17.

Brake for wagons. T. I. Duffy. 2,453,363, Nov. 9.

Brake for wire-feeding devices. J. N. Pagliarulo. 2,442,933, June 8.

Brake having unitary actuating means for clamping and bending sheet metal, Bending. P. Kilham. 2,438,057, Mar. 16.

Brake lever. E. S. Camrud. 2,434,548, Jan. 13.

Brake lever, Spring biased parking. F. P. Bower. 2,440,928, May 4.

Brake line, Constant volume expandable. T. C. Hill and W. A. Schmidt. 2,455,334, Nov. 30.

Brake linings, Injection of. C. H. Beare. 2,452,284, Oct. 26.

Brake mechanism. C. E. Anderson. 2,434,480, Jan. 13.

Brake mechanism, Booster. J. G. Ingress. 2,448,981, Sept. 7.

Brake mechanism for electric motors. G. M. Rothenberger. 2,444,313, June 29.

Brake mechanism, Servo. G. R. G. Gates. Re. 22,965, Jan. 20.

Brake mechanism, Spindle. L. W. Fray. 2,457,089, Dec. 21.

Brake mechanisms, Electromagnetic. L. S. Burgett. 2,436,880, Mar. 2.

Brake or the like frictionally engageable structure. W. H. Hunter. 2,449,383, Sept. 14.

Brake pedal and throttle, Combination. R. E. Whiffen. 2,453,054, Nov. 2.

Brake pedal lock. R. D. Downing. 2,450,943, Oct. 12.

Brake pedal lock. A. Willett, Jr. 2,448,480, Aug. 31.

Brake rotor, Cooled. W. H. Baselt. 2,451,709, Oct. 19.

Brake shoe adjusting gauge. J. M. Houston. 2,450,196, Sept. 28.

Brake shoe and head arrangement. C. E. Tack. 2,438,483, Mar. 23.

Brake shoe assembly. C. L. Eksergian and P. W. Gaenssle. 2,451,326, Oct. 12.

Brake shoe assembly, Cushioned disk. P. W. Gaenssle. 2,451,329, Oct. 12.

Brake system, Tractor-trailer. E. R. Price. 2,434,050, Jan. 6.

Brake with two anchoring shoes and wear take-up means therefor. S. Schnell. 2,453,866, Nov. 16.

Braked rotative assembly. A. De Ghetto. 2,445,607, July 20.

Braking device for electric motors. B. M. Hayman. 2,449,223, Sept. 14.

Braking system for aircrafts, Automatic. C. E. Gallagher. 2,441,927, July 13.

Braking system for series motors, Dynamic. G. R. Purifoy. 2,447,666, Aug. 24.

Braking system, Induction motor. F. D. Snyder. 2,445,806, July 27.

Brans and rice polish, Processing rice. A. K. Ozai-Durrani. 2,448,729, Sept. 7.

Branched chain paraffin hydrocarbons, Production of. E. L. d'Ouville and B. L. Evering. 2,443,606, June 22.

Brassiere. C. Anselmo. 2,452,345, Oct. 26.

Brassiere. P. Amyot. 2,446,683, Aug. 10.

Brassiere. M. C. and E. W. Barlow. 2,440,426, Apr. 27.

Brassiere. M. R. Bates. 2,453,296, Nov. 9.

Brassiere. G. A. Boylan. 2,455,036, Nov. 30.

Brassiere. J. R. Bowen. 2,436,094, Feb. 17.

Brassiere. E. Cadous. 2,443,225, June 15.

Brassiere. J. J. Lo Cascio. 2,440,826, May 4.

Brassiere. M. V. Clark. 2,440,795, May 4.

Brassiere. W. S. Dickerson. 2,445,767, July 27.

Brassiere. R. Freedman. 2,440,466, Apr. 27.

Brassiere. A. A. Glasser. 2,439,567, Apr. 13.

Brassiere. J. Glick. 2,449,808, Sept. 21.

Brassiere. J. Glick. 2,454,151, Nov. 16.

Brassiere. J. Glick. 2,454,153, Nov. 16.

Brassiere. E. W. Gluckin. 2,438,210, Mar. 23.

Brassiere. B. Harman. 2,457,369, Dec. 28.

Brassiere. J. V. Hollar. 2,456,872, Dec. 21.

Brassiere. J. J. Lo Cascio. 2,455,788, Dec. 7.

Brassiere. S. Maiorana. 2,441,667, May 18.

Brassiere. A. M. Moon. 2,445,449, July 20.

Brassiere. I. Rosner. 2,437,655, Mar. 9.

Brassiere. H. Schoebel. 2,446,437, Aug. 3.

Brassiere. L. I. Speiser. 2,451,001, Oct. 12.

- Brassière. A. Zwiebelson. 2,437,217, Mar. 2.
Brassière and similar garment. J. Glick. 2,454,152, Nov. 16.
Brassière and similar garments. E. W. Gluckin. 2,456,695, Dec. 21.
Brassière, Strapless. J. G. Abeles. 2,443,127, June 8.
Brassière, Strapless. L. Shulman. 2,448,919, Sept. 7.
Brassières and foundation garments, Shoulder strap combination for. A. D. Cleasby. 2,444,806, July 6.
Brazing alloy. W. W. Dykacz. 2,456,933, Dec. 21.
Brazing alloy. J. F. Polak. 2,456,594, Dec. 14.
Brazing process, Capillary dip. B. Burns. 2,443,574, June 15.
Brazing steel shaft and flange assemblies. B. Ronay and C. D. Jensen. 2,440,298, Apr. 27.
Bread making and ingredients. F. C. Weber. 2,434,087, Jan. 6.
Breaker, Chip. L. A. Hillman. 2,457,469, Dec. 28.
Breaking eggs by grinding the shell and separately cutting the membrane. G. F. Hodson. 2,443,188, June 15.
Breaking water-in-oil emulsions. M. Savoy. 2,457,735, Dec. 28.
Breathing apparatus. C. J. Lambertsen. 2,456,130, Dec. 14.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,436,522, Feb. 24.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,439,016, Apr. 6.
Breathing apparatus. P. E. Meidenbauer, Jr. 2,452,670, Nov. 2.
Breathing indicator. H. W. Lindsay. 2,435,181, Jan. 27.
Breathing shoe. S. B. Austin. 2,437,065, Mar. 2.
Breech block return means for the Browning machine gun. C. E. Balleisen. 2,449,545, Sept. 21.
Breech operating mechanism. W. Summerbell. 2,434,970, Jan. 27.
Brewing control, Coffee. H. A. Moomjian. 2,448,149, Aug. 31.
Brewing method using albedo in wort. A. A. Klein. 2,440,276, Apr. 27.
Brick cutting tool. D. J. Coffey. 2,436,686, Feb. 24.
Brick having low modulus rupture. R. P. Heuer. 2,443,424, June 15.
Brick siding cutter. J. V. Hostetter. 2,440,773, May 4.
Brick, Silica. C. Conley. 2,446,975, Aug. 10.
Bridge. G. Van Eps. 2,455,452, Dec. 7.
Bridge, Electrical. B. F. McNamee. 2,457,165, Dec. 28.
Bridge for junction boxes. H. Kershaw. 2,451,393, Oct. 12.
Bridge, High-frequency impedance. E. C. Cork and A. D. Blumlein. 2,456,679, Dec. 21.
Bridge, Impedance. W. H. Gille and J. V. Sigford. 2,444,733, July 6.
Bridge ramp. N. M. Bryson. 2,452,289, Oct. 26.
Bridge, Sizing. S. C. Hurley, Jr. 2,446,046, July 27.
Bridge structure for pH measurement device. E. D. Coleman. 2,451,663, Oct. 19.
Bridge support for bifocal spectacles, Adjustable nose. J. H. Seguin. 2,446,725, Aug. 10.
Bridge type modulator circuit. J. M. Miller, Jr. 2,446,188, Aug. 3.
Bridge, Violin. G. Dahn. 2,446,267, Aug. 3.
Bridging for floor joists and the like. P. A. Astalder. 2,442,726, June 1.
Bridle sling, Adjustable. C. A. Bufflap. 2,436,247, Feb. 17.
Bright zinc plating. R. R. Bair, H. L. Benner, and J. F. Walker. 2,451,426, Oct. 12.
Brim bouncing machine and pouncing. P. Schultze. 2,435,293, Feb. 3.
Brine tank. J. H. Reagin. 2,442,146, May 25.
Briquettes, Detergent. J. D. MacMahon. 2,435,453, Feb. 3.
Briquettes to curved metallic surfaces, Applying powdered metal. S. K. Wellman. 2,451,264, Oct. 12.
Bristle tuft and holding bar. N. E. Nielsen and F. G. Stirling. 2,436,934, Mar. 2.
Broach. J. H. Gracey. 2,441,143, May 11.
Broach. J. K. Penny. 2,436,325, Feb. 17.
Broach holder. F. G. Zagar. 2,448,342, Aug. 31.
Broach, Saw tooth surface. W. J. Phaneuf. 2,439,822, Apr. 20.
Broaching machine, Button. J. Friedman. 2,438,363, Mar. 23.
Broiler. P. Gallichio and F. Ferrari. 2,456,397, Dec. 14.
Broiler. S. Di Pasquale. 2,441,994, May 25.
Broiler compartment. W. R. Jones. 2,447,184, Aug. 17.
Brominating heterocyclic compounds. F. B. Zienty and L. P. Kyrides. 2,457,078, Dec. 21.
Bromination. J. Ross. 2,452,154, Oct. 26.
Bromination of unsaturated organic compounds. J. Ross. 2,448,739, Sept. 7.
Brooder. J. D. Burkholder, Jr. 2,452,900, Nov. 2.
Brooder. M. C. Cole. 2,452,904, Nov. 2.
Broom and mop combination. N. M. Crofton. 2,446,814, Aug. 10.
Broom stand. N. A. Turner. 2,441,982, May 25.
Brush. R. S. Eisner and D. Schoenholz. 2,454,553, Nov. 23.
Brush and crumpler set. F. F. Monaco. 2,455,695, Dec. 7.
Brush assembly. H. L. Burg. 2,443,785, June 22.
Brush assembly. R. B. Schattler. 2,441,210, May 11.
Brush assembly for dynamoelectric machines. R. Happe. 2,444,826, July 6.
Brush assembly, Rotary. J. P. Vanuch. 2,441,781, May 18.
Brush attachment for mop handles. C. J. Larson. 2,439,174, Apr. 6.
Brush embodying synthetic bristles. J. J. Reis, Jr. 2,443,055, June 8.
Brush for dynamoelectric machines. C. A. Thomas. 2,450,698, Oct. 5.
Brush, Gin. E. C. May. 2,450,679, Oct. 5.
Brush holder. C. M. Anderson. 2,442,480, June 1.
Brush holder. G. G. Blumink. 2,449,764, Sept. 21.
Brush holder. C. H. Pierce. 2,450,736, Oct. 5.
Brushholder mounting. J. E. Pastoret and J. W. Morrow. 2,447,662, Aug. 24.
Brush making machine. C. Jobst. 2,435,924, Feb. 10.
Brush mechanism, Current collector. E. A. Linke. 2,454,562, Nov. 23.
Brush mounted nail file. M. M. Windmoeller. 2,447,451, Aug. 17.
Brush, Nail. J. J. Chappell and M. R. Osborne. 2,439,922, Apr. 20.
Brush receptacle and suspending bracket. B. H. Wilcox. 2,439,837, Apr. 20.
Brush retaining aid in sanding drums. T. L. Bonkowski. 2,443,413, June 15.
Brush scraping attachment for cans. R. O. Ferguson. 2,435,036, Jan. 27.
Brush, Shunted. C. Lynn. 2,438,015, Mar. 16.
Brush, Soap holding. W. Novick. 2,441,898, May 18.
Brush support. H. J. Dunn. 2,452,025, Oct. 19.
Brushing machine for leather, Continuous. C. D. Knowlton and D. Edgar. 2,451,561, Oct. 19.
Bubble cap. A. M. Ackroyd. 2,443,812, June 22.
Bubble cap. D. S. Roberts and R. A. DeLuca. 2,457,398, Dec. 28.
Bubble cap structure. T. W. Cairns. 2,438,536, Mar. 30.
Bubble cap structure for fractionating towers. M. R. Reed. 2,445,083, July 13.
Bubble making machine. T. Saachy. 2,452,794, Nov. 2.
Bubble ornamental device and method. A. Abramson. 2,453,178, Nov. 9.
Bucket, Centrifuge. H. R. Moyer. 2,436,726, Feb. 24.
Bucket, Excavator. R. C. Kelsey. 2,443,460, June 15.
Bucket for passing around sheaves, Sewer cleaning. L. R. and K. I. Robinson, E. O. Berger, and W. S. Lang. 2,454,008, Nov. 16.
Bucket, Material handling. W. Ruddock. 2,442,571, June 1.
Buckle. S. Segal. 2,443,805, June 22.
Buckle. C. L. Sevin. 2,457,000, Dec. 21.
Buckle, Strap-attaching. W. H. Churchill. 2,441,930, May 18.
Buckrake and stacker, Combined. L. J. Wasinger. 2,434,376, Jan. 13.
Buffer. J. D. Graham. 2,447,748, Aug. 24.
Buffer, Car-end. G. E. Dath. 2,448,138, Aug. 31.
Buffer device for firearms. F. L. Humeston. 2,456,280, Dec. 14.
Buffer for railway cars. J. W. Marsh. 2,434,944, Jan. 27.
Buffer, Railway car-end. H. J. Lounsbury. 2,451,569, Oct. 19.
Buffer spring device for drilling machines. A. Hossfeld. 2,437,429, Mar. 9.
Buffing and polishing machine. W. De F. Abbott. 2,447,454, Aug. 17.
Buffing and polishing machine. C. E. Palmer. 2,434,513, Jan. 13.
Buffing compound. R. V. Twynning and W. T. Hakken, Jr. 2,436,128, Feb. 17.
Buffing machine. R. D. Harris. 2,453,316, Nov. 9.
Buffing machine. O. W. Mojonnier. 2,437,398, Mar. 9.
Buffing machine. O. W. Mojonnier. 2,437,434, Mar. 9.
Buffing mechanism, Car-end platform. R. J. Olander. 2,449,135, Sept. 14.
Buffing or polishing machine. C. J. Geiger. 2,442,744, June 1.
Buffing, polishing, and abrading device. P. Borg. 2,443,023, June 8.
Buffing wheel. N. Kaplan. 2,455,680, Dec. 7.
Buffing wheel. L. M. Seelenfreund. 2,455,098-9, Nov. 30.
Buffing wheel. S. S. Smith. 2,450,454, Oct. 5.
Building apparatus. S. Stepanian. 2,440,920, May 4.
Building block. J. N. Blackburn. 2,451,657, Oct. 19.
Building block. D. H. Herbert. 2,452,463, Oct. 26.
Building block molding press. S. E. Slaton. 2,442,517, June 1.
Building blocks, and other building units, Connecting together. F. C. Summers. 2,442,184, May 25.
Building construction. A. Fishko. 2,446,987, Aug. 10.
Building construction. E. J. Moloney. 2,445,491, July 20.
Building construction. J. Slobodzin. 2,453,466, Nov. 9.
Building construction. A. Todhunter. 2,440,763, May 4.
Building construction and units. O. E. Turngren. 2,440,836, May 4.
Building construction, Lightweight. A. T. Brown. 2,440,843, May 4.
Building constructions. T. J. Foster. 2,445,823, July 27.
Building form, Breakable. F. W. Blanchard. 2,448,294, Aug. 31.
Building material, Antistick bitumen surfaced. J. H. Young and P. W. Jenkins. 2,440,626, Apr. 27.

- Building material, Making. F. R. Loetscher. 2,442,422, June 1.
- Building structure. W. Gillett and E. A. Miller. 2,449,292, Sept. 14.
- Building structure and heating system, Combined. A. A. Olson. 2,445,920, July 27.
- Building structure, Portable. S. R. Lambert. 2,453,326, Nov. 9.
- Building structure, Portable. L. R. Raemer. 2,440,449, Apr. 27.
- Building unit of generally right triangular form. M. O. Groat. 2,444,133, June 29.
- Building units, Interlocking. R. L. Haden. 2,453,221, Nov. 9.
- Building units, Making concrete. A. Henderson. 2,453,223, Nov. 9.
- Bulb, Basing electric. R. K. Braunsdorff. 2,454,270, Nov. 23.
- Bulb exposure mechanism for camera shutters. C. C. Fuerst. 2,448,877, Sept. 7.
- Bulb for hygrometric measurement, Wet. C. A. Mabey. 2,435,632, Feb. 10.
- Bulk filament into staples, Method and apparatus for converting. R. C. Wilkie. 2,438,469, Mar. 23.
- Bulldozer attachment for jeeps. G. W. Mork. 2,450,905, Oct. 12.
- Bulldozer-loader device. F. P. Leschinsky. 2,451,101, Oct. 12.
- Bullet, Bore cleaning. W. W. Weese. 2,442,155, May 25.
- Bullet, Explosive. S. A. Schatz. 2,452,072, Oct. 26.
- Bullet loosening improvements in cartridge disassembling machines. F. E. Costello. 2,449,059, Sept. 14.
- Bumper. J. T. Runyan. 2,438,578, Mar. 30.
- Bumper clamp towing device. W. W. Williams. 2,435,813, Feb. 10.
- Bunch builder machines. R. R. Gibson. 2,433,897, Jan. 6.
- Bundle tying machine. J. J. M. L. Marchand. 2,443,470, June 15.
- Bundler, Cobble. C. W. Hawthorne. 2,448,097, Aug. 31.
- Bunny-cat. A. P. Driggs. 2,448,087-8, Aug. 31.
- Bunting device. J. J. Clark. 2,440,796, May 4.
- Buoy, Radio listening. C. W. Hansell. 2,448,713, Sept. 7.
- Buoy, Signaling. P. Holcomb, Jr. 2,447,069, Aug. 17.
- Buoyant electric cable. P. Dunsheath and W. C. Barry.
- Buoyant ground station. A. B. Schultz. 2,449,417, Sept. 14.
- Burglar alarm. T. M. Cadenhead. 2,443,553, June 15.
- Burglar alarm. E. C. Heard. 2,438,167, Mar. 23.
- Burglar alarm, Window operable. J. E. Olvis. 2,447,527, Aug. 24.
- Burial apparatus. W. W. Haase. 2,457,671, Dec. 28.
- Burial casket construction. C. H. Votey. 2,444,275, June 29.
- Burial dress support. G. T. Brownson. 2,452,353, Oct. 26.
- Burn bath table. N. Owens and R. L. Jewell. 2,457,174, Dec. 28.
- Burner: See—
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| Atomizing oil burner. | Oil burner. |
| Blast torch perforated combustion burner. | Perforated combustion tube distillate burner. |
| Fuel burner. | Pot type oil burner. |
| Gas burner. | Ribbon burner. |
| Gaseous fuel burner. | Safety gas burner. |
| Hydroxylating pot type hydrocarbon burner. | Shrouded elongated head multinozzle burner. |
| Liquid fuel burner. | Weed burner. |
| Multiple orchard burner. | |
- Burner and control therefor, Multiple nozzle gun type oil. J. A. Logan. 2,451,964, Oct. 19.
- Burner and fuel control therefor, Generator. J. L. Breese. 2,434,346, Jan. 13.
- Burner apparatus for generating and burning hydrocarbon vapor fuel, Portable. G. P. Kittel and P. Wollner. 2,457,683, Dec. 28.
- Burner arrangement, Furnace. R. C. Hopkins. 2,435,395, Feb. 3.
- Burner control, Liquid fuel. A. C. Bennett. 2,456,170, Dec. 14.
- Burner control system, Light responsive. O. T. McIlvaine. 2,435,896, Feb. 10.
- Burner control system, Photoelectric regulating and safety. W. A. Ray. 2,442,145, May 25.
- Burner for brooder stoves. D. B. Tolley. 2,457,614, Dec. 28.
- Burner for combustible gases. J. R. Martin. 2,443,259, June 15.
- Burner head for boilers. G. I. Carter. 2,443,575, June 15.
- Burner pot and air supply means therefor. M. D. Huston. 2,435,220, Feb. 3.
- Burner safety control apparatus with ignition timing, Fluid. J. O. Rosche. 2,440,700, May 4.
- Burner valve device. J. Maynard. 2,438,447, Mar. 23.
- Burner with cooling jacket, Atomizing fuel. J. M. Crowe. 2,457,304, Dec. 28.
- Burner with resistance igniter, Vaporizing type. R. E. Fell and J. W. Miller. 2,448,142, Aug. 31.
- Burners, Control for automatic. T. J. Mesh. 2,446,778, Aug. 10.
- Burners, High-frequency spark igniter. F. B. Aubert and De L. E. Scott. 2,444,239, June 29.
- Burning carbonaceous fuels, Method and apparatus for. R. A. Sherman. 2,455,817, Dec. 7.
- Burning-in knife, Electric. F. D. Pabis. 2,452,259, Oct. 26.
- Burning solid fuel, Process and apparatus for. R. Esnault-Pelterie. 2,452,844, Nov. 2.
- Burn-off method. H. R. Schutz. 2,439,754, Apr. 13.
- Burr-cutting tool. L. A. Bashara. 2,450,075, Sept. 28.
- Burs from gears, Machine for removing. A. P. Ohr. 2,441,078, May 4.
- Bus bar and connecting link for use in electrical wiring systems. W. E. Hill and T. D. G. Wintle. 2,453,224, Nov. 9.
- Bus bar bender. J. W. Garrett. 2,454,867, Nov. 30.
- Bus-bar structure. C. E. Wagner and L. L. Fountain. 2,439,956, Apr. 20.
- Bus bar support. L. L. Fountain. 2,445,424, July 20.
- Bus ducts for electrical distribution system. F. B. Adam. 2,435,113, Jan. 27.
- Bushing. J. N. Browning. 2,441,467, May 11.
- Bushing and manufacturing same. S. Imerman. 2,456,418, Dec. 14.
- Bushing construction. E. D. Treanor. 2,441,457, May 11.
- Bushing, Electrical apparatus. L. J. Linde, N. F. Arone, and B. E. Spiro. 2,456,640, Dec. 21.
- Bushing for oil-filled electrical apparatus. A. Meyerhans. 2,452,947, Nov. 2.
- Bushing for power cables, Terminal. C. E. Bennett and P. V. White. 2,457,437, Dec. 28.
- Bushing for vapor electric devices, Lead-in. M. Garbuny and W. E. Pakala. 2,438,004, Mar. 16.
- Bushing, High-voltage. E. Uhlig. 2,457,419, Dec. 28.
- Bushing, Jig. A. H. Nolde. 2,457,709, Dec. 28.
- Bushing, Lead-in. R. U. Clark. 2,447,489, Aug. 24.
- Bushing, Resilient. H. E. Van Ness. 2,437,843, Mar. 16.
- Bushing unit, Grommet insulating. S. J. Lanzalotti and M. Skobel. 2,439,394, Apr. 13.
- Business machine. R. W. Pitman. 2,453,932, Nov. 16.
- 2,453,418-19-20, Nov. 9.
- Bust form. L. and F. Wilkenfeld. 2,435,860, Feb. 10.
- Butadiene-acrylate interpolymer treatment of wool. J. B. Rust. 2,447,540, Aug. 24.
- Butadiene-acrylonitrile copolymer mixed with vinylidene chloride-acrylonitrile copolymer. R. J. Signer. 2,456,454, Dec. 14.
- Butadiene-acrylonitrile copolymer plasticized with isobutyl beta isobutoxy propionate. A. M. Clifford and J. G. Lichty. 2,435,773, Feb. 10.
- Butadiene-acrylonitrile copolymer with an alcohol ester of a mono-alkenyl substituted succinic acid, Compounding. L. T. Sutherland. 2,435,853, Feb. 10.
- Butadiene and acetylene from a hydrocarbon mixture, Separating. G. H. Shipley, Jr. 2,440,493, Apr. 27.
- Butadiene and catalyst therefor, Production of. G. W. Seymour and F. Fortess. 2,444,538, July 6.
- Butadiene in aqueous emulsion in the presence of an alkali metal salt of hydroxytetrahydroabietic acid, Polymerizing. J. N. Borglin. 2,450,416, Oct. 5.
- Butadiene-1,3-acrylonitrile copolymer plasticized with naphthenic acid esters. H. B. Kellogg. 2,438,753, Mar. 30.
- Butadiene-1,3-ethyl alpha phenylacrylate copolymer. A. M. Clifford. 2,435,674, Feb. 10.
- Butadiene polymers and treatment of wool therewith, Aqueous dispersions of. J. B. Rust. 2,447,876, Aug. 24.
- Butadiene polymers, Vulcanizing. M. C. Throdahl. 2,434,129, Jan. 6.
- Butadiene, Production of. E. V. Murphree. 2,451,040, Oct. 12.
- Butane containing high boiling contaminants, Distillation of. G. W. Wilson, Jr. 2,451,896, Oct. 19.
- Butane, Isomerization of normal. L. U. Franklin and C. F. Plumbhoff. 2,454,149, Nov. 16.
- Burane-1,2,4-tricarboxylic acid, Preparing. P. O. Tawney. 2,456,543, Dec. 14.
- Butter cutter. E. A. Anderson. 2,454,421, Nov. 23.
- Butter prepared by low temperature interesterification, Confectioner's hard. E. W. Eckey. 2,442,536, June 1.
- Button back. E. A. Nygard. 2,436,323, Feb. 17.
- Button construction, Horn. J. J. Wharam and M. Jovanovich. 2,454,242, Nov. 16.
- Button of thermosetting synthetic resinous materials, Molded integral sewing hole. S. Emsig. 2,451,077, Oct. 12.
- Button, Plastic. W. A. Zwiebel. 2,452,173, Oct. 26.
- Button, Push. S. Brantington. 2,444,552, July 6.
- Button sewing machine and sewing buttons. C. W. Johnson and J. A. Neumair. 2,451,495, Oct. 19.
- Button stem for electron discharge devices. T. J. Henry. 2,454,384, Nov. 23.
- Button, Tack. E. D. Janes. 2,442,362, June 1.
- Button, Tufting. J. A. Dayton. 2,446,816, Aug. 10.
- By-pass for rotary mud screens. I. T. Minyard. 2,446,293, Aug. 3.
- C-clamp with laterally adjustable arm extensions. N. G. Schaefer. 2,450,994, Oct. 12.
- C-p-aminobenzenesulfonamido-substituted thiazolines and their production. W. A. Lott and F. H. Bergelm. 2,438,177, Mar. 23.
- Cab: See—
- Locomotive cab.
- Cabin conditions controlling apparatus. W. W. Paget. 2,444,951, July 13.
- Cabin control, Pressure. J. B. Cooper and A. B. Jepson. 2,450,881, Oct. 12.

- Cabin pressure control means. G. L. Borell. 2,451,608, Oct. 19.
- Cabin pressure control means, Aircraft. W. D. Teague, Jr. 2,441,089, May 4.
- Cabin pressure regulating means, Aircraft. W. D. Teague, Jr. 2,441,088, May 4.
- Cabin pressure regulator. F. E. Snedecor. 2,436,183, Feb. 17.
- Cabin pressure regulator valve. H. Cruzan. 2,451,278, Oct. 12.
- Cabin, Releasable airplane. F. D. Reed. 2,446,609, Aug. 10.
- Cabinet: See—
- Auxiliary utility cabinet. Portable food cabinet.
 - Coaxial cable. Radio cabinet.
 - Collapsible storage cabinet. Refrigerated dispensing cabinet.
 - Delivery cabinet. Refrigerator cabinet.
 - Foldable cabinet. Sewing cabinet.
 - Dispensing cabinet. Television cabinet.
 - Electrical cable. Therapeutic cabinet.
 - Filing cabinet. Top access refrigerator cabinet.
 - Kitchen cabinet.
 - Knockdown sheet metal cabinet.
 - Multiple unit freezer cabinet.
- Cabinet and making the same, Sheet metal. R. C. Barler and J. H. Yoder. 2,438,108, Mar. 23.
- Cabinet, chest, and similar article. L. Gersten. 2,451,211, Oct. 12.
- Cabinet comprising spaced inner and outer enclosures and means for connecting same to a base. W. W. Montgomery. 2,442,056, May 25.
- Cabinet construction, Refrigerator. T. W. Rundell. 2,449,415, Sept. 14.
- Cabinet construction, Sheet metal. L. C. Rockwell. 2,443,515, June 15.
- Cabinet for dispensing sheet material. F. L. Broeren, N. J. Slye, and A. S. Krueger. 2,434,194, Jan. 6.
- Cabinet for electric organs, Tone. B. Hartsough. 2,450,139, Sept. 28.
- Cabinet for television receivers. L. F. Cramer. 2,446,214, Aug. 3.
- Cabinet having a rotatable compartmented member, Beverage. R. J. Shelley. 2,447,602, Aug. 24.
- Cabinet having automatically shiftable mirror. J. H. Hirschberg. 2,452,375, Oct. 26.
- Cabinet having combined slidable top and drawers. J. K. Wheelock. 2,449,433, Sept. 14.
- Cabinet having means for moving compartments vertically and horizontally. C. F. Rossetter. 2,451,120, Oct. 12.
- Cabinet having outwardly swingable rack, Necktie. F. H. Kiser. 2,440,549, Apr. 27.
- Cabinet having pivotally mounted bins. G. J. Lemke. 2,457,248, Dec. 28.
- Cabinet having shelf-forming closures, Office. R. D. Hinton. 2,453,129, Nov. 9.
- Cabinet interlock and reinforcing elements, File. P. Zalkind. 2,451,012, Oct. 12.
- Cabinet, rack, closures, and latching device, Combined. H. J. Smith. 2,443,837, June 22.
- Cabinet with combined cover and swingable mirror. C. B. Shreve. 2,435,103, Jan. 27.
- Cabinet with compartments having interconnected locking means. C. H. Kraft. 2,438,783, Mar. 30.
- Cabinet with door actuated shelf. O. M. Waara. 2,438,772, Mar. 30.
- Cabinet with ejecting and adjusting means, Drawer. C. A. Tietje. 2,441,678, May 18.
- Cabinet with extensible cutting board, Kitchen. J. Stanitz. 2,441,728, May 18.
- Cable: See—
- Buoyant electric cable. Insulated electrical cable.
 - Coaxial cable. Shielded cable.
 - Device for slitting the sheath of a cable. Streamlined conductor cable.
 - Electric cable. Transmission cable.
 - High-frequency cable.
 - High-tension electric cable.
- Cable adjuster. C. Melidoni. 2,444,743, July 6.
- Cable adjuster, Brake. J. M. Woodson. 2,449,031, Sept. 7.
- Cable and cable connector fatigue testing machine. J. L. McFarland and K. Matzinger. 2,452,588, Nov. 2.
- Cable and insulation therefor, Insulated electric. S. R. Hartstein and F. Stolte. 2,454,800, Nov. 30.
- Cable clamp. M. M. Clayton. 2,444,092, June 29.
- Cable clamp. R. A. Hackathorn. 2,453,432, Nov. 9.
- Cable clamp. R. T. Lawry. 2,450,147, Sept. 28.
- Cable clamp. E. E. McKeige. 2,437,111, Mar. 2.
- Cable clamp. M. A. West. 2,441,304, May 11.
- Cable clamp. W. A. Zahutnik. 2,443,155, June 8.
- Cable clamp and box, Electric. G. Carlson. 2,437,073, Mar. 2.
- Cable clamping device. S. De Orlow. 2,445,474, July 20.
- Cable connecting device. G. C. Webster. 2,435,989, Feb. 17.
- Cable connector. J. S. Larkins, Jr. 2,440,279, Apr. 27.
- Cable connector. W. M. Lawhorne. 2,449,660, Sept. 21.
- Cable connector. W. Peters. 2,445,633, July 20.
- Cable construction. J. P. Tarbox. 2,440,668, Apr. 27.
- Cable control pull. R. G. Le Tournau. 2,445,228, July 13.
- Cable cutter. R. Temple. 2,454,528, Nov. 23.
- Cable eye and splicing the same. J. Budzinski. 2,454,592, Nov. 23.
- Cable for aircraft, Control. E. E. Van Dyke and K. Kerr. 2,448,847, Sept. 7.
- Cable grab block. G. Radde. 2,445,123, July 13.
- Cable greasing device. H. E. Baker. 2,435,120, Jan. 27.
- Cable guided member for limit stop weights, Adjustable. R. B. Hunter. 2,439,738, Apr. 13.
- Cable hanger. A. L. Ge Wertz. 2,445,481, July 20.
- Cable impregnated with tertiary alkyl naphthalenes, Electric. R. G. Larsen. 2,436,110, Feb. 17.
- Cable insensitive to explosion pressure pulses, Signal transmitting. M. M. Shapiro and B. Stiller. 2,442,785, June 8.
- Cable laying machine. R. J. Kent. 2,441,153, May 11.
- Cable, Method and apparatus for making insulated. H. D. Isenberg. 2,434,073, Jan. 6.
- Cable reel. C. J. Hudson. 2,452,378, Oct. 26.
- Cable splice. R. L. Wright, II. 2,452,823, Nov. 2.
- Cable splicing. R. J. Violette. 2,444,075, June 29.
- Cable spooling device for well drilling rigs. T. H. Berry. 2,453,184, Nov. 9.
- Cable stripping device. C. A. Tileston. 2,435,660, Feb. 10.
- Cable tensiometer. H. Hitchen. 2,452,302, Oct. 26.
- Cables, Forming coaxial. L. H. Morin. 2,456,304, Dec. 14.
- Cables for terminal banks. Making multiple. R. F. Mallina. 2,450,974, Oct. 12.
- Cadaver lifter. B. A. Hower. 2,449,898, Sept. 21.
- Cage and blower, Die-cast squirrel. L. R. Ludwig and C. P. Troncelli. 2,447,657, Aug. 24.
- Cage for roller bearings. B. F. Newton. 2,457,485, Dec. 28.
- Cage, Novelty wall bird. R. J. Brown. 2,445,419, July 20.
- Cage, Self-contained roller-bearing. J. B. Baker and H. D. Stover. 2,454,028, Nov. 16.
- Cake, Decorated. T. McKee. 2,435,047, Jan. 27.
- Cake make-up container. G. D. Miles. 2,455,685, July 20.
- Cake protecting device. J. J. Bonekamp. 2,452,629, Nov. 2.
- Cakes, Wrapping round. W. Hoppe. 2,434,617, Jan. 13.
- Calcinig and calcining apparatus. T. R. Ellerbeck. 2,451,024, Oct. 12.
- Calcium aluminate sinter, Making. K. L. Elmore. 2,452,041, Oct. 26.
- Calcium cadmium molybdate phosphor. H. C. Froelich and A. R. Hersey. 2,434,764, Jan. 20.
- Calcium hydrides by distillation, Producing. D. Duffey. 2,453,913, Nov. 2.
- Calcium hypochlorite, Preparing. G. L. Cunningham. 2,446,869, Aug. 10.
- Calcium-nickel phosphate catalyst and preparation thereof. E. C. Britton and A. J. Dietzler. 2,456,367, Dec. 14.
- Calcium nickel phosphate-chromium oxide catalyst. E. C. Britton and A. J. Dietzler. 2,456,368, Dec. 14.
- Calcium phosphate phosphor. H. C. Froelich and J. M. Margolis. 2,455,413, Dec. 7.
- Calcium sulfite, Treatment of. H. R. Rafton. 2,453,099, Nov. 2.
- Calculating device. W. Baumgartner. 2,448,410, Aug. 31.
- Calculating device. A. B. Downs, Jr. 2,436,352, Feb. 17.
- Calculating device. F. W. Frink. 2,440,438, Apr. 27.
- Calculating device. M. H. Lichter. 2,441,426, May 11.
- Calculating device. R. E. Mumma. 2,442,428, June 1.
- Calculating machine. D. B. Bradner. 2,454,987, Nov. 30.
- Calculating machine. D. Broido. 2,452,987, Nov. 2.
- Calculating machine. A. J. Fettig. Re. 22,986, Mar. 16.
- Calculating machine. H. L. Lambert. 2,445,735, July 13.
- Calculator. W. T. Allen. 2,443,882, June 22.
- Calculator. M. C. George. 2,445,264, July 13.
- Calculator. W. D. Gossard. 2,436,386, Feb. 24.
- Calculator. E. G. Kesling. 2,450,668, Oct. 5.
- Calculator. A. J. R. Schumaker. 2,438,458, Mar. 23.
- Calculator. A. Smidt. 2,445,008, July 13.
- Calculator, Aircraft load. C. F. Comstock. 2,444,693, July 6.
- Calculator, Cutter life. J. F. Allen. 2,445,381, July 20.
- Calculator, Graphic. F. Durand. 2,435,133, Jan. 27.
- Calculator, Lumber footage. E. A. Ferguson. 2,444,983, July 13.
- Calculator mechanism. F. Tellander, Jr. 2,451,784, Oct. 19.
- Calculator, Remotely controlled electrical. S. B. Williams. 2,434,681, Jan. 20.
- Calculator, Payroll time. S. Linowitz. 2,442,657, June 1.
- Calendar having folding, adjustable date elements slidably receivable in supporting frame. H. Lathrop. 2,447,807, Aug. 24.
- Calendar mechanism for clocks, Detachable. B. H. Webb. 2,439,154, Apr. 6.
- Calendar with automatic day indication, Perpetual. J. F. Botham. 2,435,069, Jan. 27.
- Calendering and apparatus therefor. G. B. Nichols. 2,436,446, Feb. 24.
- Calf feeder. C. I. Young. 2,455,848, Dec. 7.
- Calibrating means for Pitot Venturi tubes. H. W. Stoll. 2,441,042, May 4.
- Calibration of cathode-ray oscillographs. G. J. Scoles and C. W. Miller. 2,438,420, Mar. 23.
- Caliper, Micrometer. R. A. Wilkinson. 2,438,537, Feb. 24.
- Caliper, Pivoted. C. D. Jackson. 2,445,068, July 13.
- Caling device. F. E. Wood, F. Gienger, E. Decker, and R. L. Sargisson. 2,448,647, Sept. 7.

- Cam. P. B. Burrus and M. C. Leinberger. 2,451,802, Oct. 19.
- Cam-acting garment hanger. A. W. Guthrie. 2,445,851, July 27.
- Cam actuated clutch. H. T. Lambert. 2,446,138, July 27.
- Cam actuated switch. F. P. Metzger. 2,441,434, May 11.
- Cam actuated valve mechanism for fluid pressure engines. T. C. Gray. 2,440,259, Apr. 27.
- Cam actuator, Adjustable. K. G. Strunk and T. A. Lelek. 2,450,311, Sept. 28.
- Cam, Adjustable. F. D. Burns. 2,438,202, Mar. 23.
- Cam and mounting therefor, Picking. B. W. Brouwer and V. F. Sepavich. 2,447,795, Aug. 24.
- Cam-controlled pressure regulator. G. Orlob. 2,445,183, July 13.
- Cam cutter. S. J. Perez. 2,435,900, Feb. 10.
- Cam follower construction. I. Cisski. 2,448,355, Aug. 31.
- Cam grinding machine. J. Martin. 2,436,588, Feb. 24.
- Cam lapping machine. H. S. Indge. 2,448,146, Aug. 31.
- Cam mechanism. J. R. Harkness. 2,452,372, Oct. 26.
- Cam mechanism for actuating the valves of locomotives, Rotary. J. Kirchhof and R. P. Delano, Jr. 1,441,199, May 11.
- Cam profiling machine. C. Perry. 2,456,146, Dec. 14.
- Camera and printer, Document. V. E. Pratt and G. F. Gray. 2,435,099, Jan. 27.
- Camera attachment for making lap dissolves, Movie. V. Aldreany. 2,451,017, Oct. 12.
- Camera, Color motion picture. A. W. Tondreau. 2,439,996, Apr. 20.
- Camera, Developing. O. E. Wolff. 2,443,154, June 8.
- Camera diaphragm setting arrangement. H. Pearce. 2,435,752, Feb. 10.
- Camera drive. W. V. Brown and E. H. Drew. 2,441,185, May 11.
- Camera, Electron diffraction. N. Davidson. 2,435,386, Feb. 3.
- Camera film gate threading mechanism. H. C. M. Stevens. 2,451,782, Oct. 19.
- Camera lens. G. H. Aklis. 2,446,402, Aug. 3.
- Camera-pod. J. S. Beattie. 2,440,137, Apr. 20.
- Camera, processing apparatus, and projector, Combined. C. M. Tuttle, C. J. Kunz, and F. M. Brown. 2,446,668, Aug. 10.
- Camera, Self-developing. J. F. Carbone and M. N. Fairbank. 2,455,111, Nov. 30.
- Camera, Scanning. W. V. Davis. 2,448,084, Aug. 31.
- Camera-shutter and flash-lamp, Mutually controlled. H. O. Thralls. 2,443,208, June 15.
- Camera tripod control, Panoramic. V. A. Parker. 2,437,787, Mar. 16.
- Camera, Two-film. W. D. Teague. 2,439,112, Apr. 6.
- Camera utilizing a film, another sheet material, and a fluid processing agent, Developing. E. H. Land. 2,435,717, Feb. 10.
- Camera, Vehicular motion-picture. W. G. Hokett. 2,457,236, Dec. 28.
- Camera with erecting and reducing optical finder system, Reflex. E. V. Soreny. 2,442,327, May 25.
- Camshaft positioning device. M. J. Glotfelty. 2,443,135, June 8.
- Can: See—
- Friction top can. Tobacco can.
- Household trash can.
- Can. H. Sebell. 2,443,330, June 15.
- Can and can-opener and nipple attachment, Infant's formula. W. Relis. 2,438,299, Mar. 23.
- Can bodies, Method and machine for making. J. F. Peters. 2,444,465, July 6.
- Can bodies, Producing. R. E. J. Nordquist. 2,444,463, July 6.
- Can body. B. F. Saubestre. 2,452,071, Oct. 26.
- Can distributor, Automatic. T. C. Dodge. 2,455,741, Dec. 7.
- Can dumping machine. R. J. Newton. 2,453,077, Nov. 2.
- Can end treating machine. P. E. Pearson and A. Treff. 2,448,116, Aug. 31.
- Can filling machine. W. de Back. 2,444,155, June 29.
- Can opener, Rotary drive wheel type. R. E. McLean. 2,442,704, June 1.
- Can piercer. J. E. Thomas. 2,454,725, Nov. 23.
- Can transfer and orienting mechanism. A. L. Christiansen. 2,439,075, Apr. 6.
- Can treating device. O. B. Rufus. 2,437,757, Mar. 16.
- Can treating machine, Electrolytic. P. E. Pearson and A. Treff. 2,448,117, Aug. 31.
- Canal of installations for recovering energy from sea waves, Concentration. P. F. Danel. 2,435,576, Feb. 10.
- Candle, Artificial. H. F. Waters. 2,435,811, Feb. 10.
- Candle-filter mounting. K. M. McLellan. 2,446,979, Aug. 10.
- Candles, Production of. E. F. Pinney. 2,457,088, Dec. 21.
- Cane. G. B. Dushinberre. 2,445,942, July 27.
- Cane mill. C. F. Schnuck. 2,448,195, Aug. 31.
- Cane, Trick walking. B. V. Lukowitz. 2,438,014, Mar. 16.
- Canister. P. V. Di Cosmo and M. C. Ricciardi. 2,438,430, Mar. 23.
- Canister. W. E. Gross. 2,442,356, June 1.
- Canister tester, Gas mask. H. E. Tremain. 2,442,187, May 25.
- Canned fish of improved palatability and preparing same. L. E. Sjöström. 2,446,889, Aug. 10.
- Canning machine, Fish. M. K. Kuther and J. L. Smith. 2,452,666, Nov. 2.
- Canning rack. L. M. Oberman. 2,436,524, Feb. 24.
- Cantilever column assemblage for crushers. H. H. Rumpel. 2,436,608, Feb. 24.
- Cap: See—
- Adjustable cap. Cylinder cap.
- Antenna cap. Grid cap.
- Bathing cap. Head-protecting cap.
- Bottle cap. Insulator cap.
- Bourdon tube end cap. Jar cap.
- Bubble cap. Milk bottle cap.
- Chimney cap. Strainer cap.
- Closure cap. Uniform cap.
- Crown cap.
- Cap. A. H. Warth and P. Grabus, Jr. 2,441,173, May 11.
- Cap and plug, Combination. H. P. Henderson and P. Kaplan. 2,454,555, Nov. 23.
- Cap and signalling device for gasoline tanks, Combination tank. S. Di Renzo. 2,441,872, May 18.
- Cap applying machine. C. W. Goodwin and H. W. Martin. 2,455,246, Nov. 30.
- Cap assembly, Snuffer. E. Wedemeyer. 2,438,378, Mar. 23.
- Cap construction. S. Feldman. 2,447,850, Aug. 24.
- Cap die. C. W. Goodwin and K. R. Allen. 2,447,855, Aug. 24.
- Cap feeding machine. M. S. Resina. 2,434,053, Jan. 6.
- Cap for containers. N. S. Sodders. 2,434,773, Jan. 20.
- Cap for flasks or the like. C. Lamar. 2,448,893, Sept. 7.
- Cap for vacuum bottles and the like, Sealing. G. Keith. 2,447,581, Aug. 24.
- Cap for wood posts, poles, and the like, Protective. W. M. Kervin. 2,450,345, Sept. 28.
- Cap stayer, Folding uniform. I. and H. Libshutz. 2,450,148, Sept. 28.
- Cap strip gauge. W. S. Salisbury. 2,453,863, Nov. 16.
- Capacitor. H. M. Huckleberry. 2,448,887, Sept. 7.
- Capacitor and dielectric therefor. L. J. Berberich. 2,434,540, Jan. 13.
- Capacitor construction, Grid-to-cathode. O. W. Livingston and E. E. Moyer. 2,448,378, Aug. 31.
- Capacitor control system. R. R. Pittman and P. G. Whitmore. 2,443,117, June 8.
- Capacitor, Critically damped. R. E. Marbury. 2,454,192, Nov. 16.
- Capacitor, Electric. F. M. Clark. 2,456,381, Dec. 14.
- Capacitor, Electric. R. G. and L. W. Flowers. 2,450,650, Oct. 5.
- Capacitor, Electric. G. H. Floyd, Jr. 2,454,049, Nov. 16.
- Capacitor, Electric. J. D. Stacy. 2,454,102, Nov. 16.
- Capacitor switch. R. C. Longfellow. 2,439,255, Apr. 6.
- Capacity brush holder. J. M. Brian. 2,457,525, Dec. 28.
- Capping machine. J. W. Cameron. 2,435,127, Jan. 27.
- Capping machine. J. Hohl. 2,455,175, Nov. 30.
- Capping machine for feeding caps through a high-frequency heating coil. H. G. Vore. 2,457,758, Dec. 28.
- Caps, closures, and the like, Forming. J. W. Thomas. 2,442,965, June 8.
- Capryl alcohol from methyl hexyl ketone by alkali treatment and distillation, Separation of. J. J. Miskel and B. A. Dombrow. 2,451,857, Oct. 19.
- Caps, Forming crown. J. W. Ekstedt and A. F. Pitoyo. 2,447,690, Aug. 24.
- Capulating apparatus. J. H. Lincoln and L. E. Branchflower. 2,436,439, Feb. 24.
- Car: See—
- Railway dining car. Truck hoist car.
- Shuttle car.
- Car cooler. J. E. Kercheval. 2,453,018, Nov. 2.
- Car door. F. Ditchfield. 2,447,846, Aug. 24.
- Car door. F. H. Lange. 2,434,805, Jan. 20.
- Car door implement, Grain. C. Flagstad. 2,437,780, Mar. 16.
- Car-dumping apparatus. G. W. Merritt. 2,456,209, Dec. 14.
- Car having an adjustable ice rack, End ice bunker. F. J. McMichael. 2,446,485, Aug. 3.
- Car-rail stop. J. L. Bowen, Sr. 2,454,500, Nov. 23.
- Carbalkoxy aminoanthraquinone sulfonamides. E. E. Renfrew, Jr. 2,453,100, Nov. 2.
- Carbalkoxylation of organic compounds. V. H. Wallingford and A. H. Homeyer. 2,454,360, Nov. 23.
- Carbide in stainless steel, Determining columbium. W. C. Maurer. 2,447,763, Aug. 24.
- Carbinols, Preparing. L. I. Smith and J. A. Sprung. 2,444,960, July 13.
- Carbohydrate-boric acid salts of amino aromatic bases. D. Curtis. 2,453,108, Nov. 9.
- Carbon alignment device for arc lamps. H. I. Huff. 2,450,477, Oct. 5.
- Carbon and carbonaceous matter, Removing. V. N. Borsoff. 2,443,373, June 15.
- Carbon bisulfide, Production of. B. W. Gamson. 2,447,003, Aug. 17.
- Carbon black. C. Kaufmann and R. H. Hall. 2,453,440, Nov. 9.
- Carbon black, Making hydrophille. F. H. Amon and F. S. Thornhill. 2,439,442, Apr. 13.
- Carbon black, Manufacture of. G. L. Heller. 2,439,850, Apr. 20.
- Carbon black, Manufacture of. W. B. Wiegand and H. A. Braendle. 2,440,424, Apr. 27.
- Carbon black, Manufacture of. I. Williams and F. W. Selfridge. 2,446,351, Aug. 3.

- Carbon brush element. L. H. Stauffer. 2,454,579, Nov. 23.
- Carbon clamp. C. E. Graham. 2,438,803, Mar. 30.
- Carbon disulfide, Fluidized-solid forming. R. P. Ferguson. 2,443,854, June 22.
- Carbon disulfide, Producing. D. L. Gamble, H. M. Cyr, C. W. Siller, and G. W. Bisbing. 2,443,883, June 15.
- Carbon holder. M. R. Suter. 2,439,874, Apr. 20.
- Carbon holder. R. L. Transon. 2,449,341, Sept. 14.
- Carbon brushes, Treating. L. E. Moberly. 2,443,798, June 22.
- Carbon, Making activated. E. Berl. 2,441,125, May 11.
- Carbon monoxide and hydrogen from methane, Manufacture of. A. J. Abrams, M. H. Gorin, and C. O. Baker. 2,449,359, Sept. 14.
- Carbon, Production of. G. T. Reich. 2,448,051, Aug. 31.
- Carbon, Production of active. F. K. Signaigo. 2,437,174, Mar. 2.
- Carbon products, Activated. L. Wickenden. 2,448,337, Aug. 31.
- Carbon set form. F. J. Hauer. 2,455,484, Dec. 7.
- Carbon tetrachloride and perchlorethylene, Making. R. G. Heitz and W. E. Brown. 2,442,324, May 25.
- Carbonate-haloformate of glycerol and producing same. F. Strain. 2,446,145, July 27.
- Carbonate salts of calcium and magnesium, Preparation of. W. McGeorge and F. H. Milner. 2,453,446, Nov. 9.
- Carbonated water dispenser. W. C. Buttner and H. E. Allshouse. 2,450,825, Oct. 5.
- Carbonating liquids used for drinking, Method and apparatus for. C. E. Rowe. 2,447,716, Aug. 24.
- Carbonator. J. O. McMillan. 2,438,714, Mar. 30.
- Carbonator apparatus. C. V. Di Pietro. 2,442,801, June 8.
- Carbonator, Liquid. J. L. Hudson. 2,441,419, May 11.
- Carbonyl sulfide from hydrocarbon fluid, Removal of. G. E. Sample and W. B. Miller. 2,434,868, Jan. 20.
- Carbonylic compounds, Production of unsaturated. G. W. Hearne and M. L. Adams. 2,451,485, Oct. 19.
- Car-bottom furnace. J. C. Piper. 2,441,371, May 11.
- Carboxylated monosubstituted barbituric acid. W. Wenner. 2,446,504, Aug. 3.
- Carboxylic acids by the oxidation of aldehydes, Preparation of. C. Weizmann. 2,456,549, Dec. 14.
- Carboxylic acids, Preparation of. A. T. Larson. 2,448,375, Aug. 31.
- Carboxypyrimido pyrazines, Preparing. J. H. Mowat and J. H. Boothe. 2,436,074, Feb. 17.
- Carbureting air for fuel mixtures. A. Vang. 2,454,900, Nov. 30.
- Carbureting apparatus, Combustion air flow responsive. L. A. Williams, Jr. 2,451,459, Oct. 19.
- Carbureting apparatus. L. A. Williams, Jr., W. A. Marshall, Jr., and W. F. Gradolph, Jr. 2,448,131, Aug. 31.
- Carburetor. F. Barford. 2,447,791, Aug. 24.
- Carburetor. G. E. Beardsley, Jr. 2,447,264, Aug. 17.
- Carburetor. M. E. Chandler. 2,445,389, July 20.
- Carburetor. S. F. Hunt. 2,438,702, Mar. 30.
- Carburetor. S. F. Hunt. 2,442,046, May 25.
- Carburetor. S. F. Hunt. 2,450,831, Oct. 5.
- Carburetor. N. G. La Guardia. 2,451,563, Oct. 19.
- Carburetor. W. E. Leibing. 2,457,570, Dec. 28.
- Carburetor. W. E. Leibing and R. D. Fageol. 2,443,464, June 15.
- Carburetor. P. A. R. Meyer. 2,436,319, Feb. 17.
- Carburetor. O. Oswald. Re. 22,962, Jan. 6.
- Carburetor. J. T. Rauven. 2,453,728, Nov. 16.
- Carburetor. R. Strebing. 2,452,698, Nov. 2.
- Carburetor. A. H. Winkler. 2,457,765, Dec. 28.
- Carburetor. E. O. Wirth. 2,445,097, July 13.
- Carburetor airbox. F. G. Rohm. 2,443,326, June 15.
- Carburetor attachment for conserving fuel. B. Bennett. 2,437,992, Mar. 16.
- Carburetor, Auxiliary independent. M. R. Williams. 2,446,034, July 27.
- Carburetor control linkage. H. Nutt. 2,436,897, Mar. 2.
- Carburetor device. F. A. Kommer and R. W. Boehlow. 2,450,049, Sept. 28.
- Carburetor ice responsive device. W. H. Kliever. 2,457,085, Dec. 21.
- Carburetor, Speed density. A. W. Orr, Jr. 2,446,339-40, Aug. 3.
- Card and holder for visible indexes, Rear index. R. W. Riggs. 2,445,186, July 13.
- Card case. A. G. Bureau. 2,447,731, Aug. 24.
- Cardcase. A. Rosenfeld. 2,447,279, Aug. 17.
- Card dealing device. L. F. Weber. 2,435,662, Feb. 10.
- Card envelope and a card holder with detent retaining means, Cooperating. C. Lomholt. 2,450,008, Sept. 28.
- Card feeding mechanism. E. H. Grogan. 2,444,504, July 6.
- Card file and posting table, Revolving. J. D. Catron. 2,452,291, Oct. 26.
- Card game device, Outdoor. S. Zirin. 2,450,325, Sept. 28.
- Card handling device. A. M. Martin. 2,439,943, Apr. 20.
- Card index and tray, Rotary. F. P. Nero. 2,441,717, May 18.
- Card index, Rotary. G. C. Bruen and K. H. Miller. 2,441,684, May 18.
- Carding machine. M. S. Fain. 2,435,431, Feb. 3.
- Card punching and slotting machine, Combined. N. S. Welk. 2,439,029, Apr. 6.
- Card separating device. C. R. Nyman. 2,450,442, Oct. 5.
- Card shuffling and placement board. M. A. Ellingson. 2,454,691, Nov. 23.
- Card stripping and feeding device. F. J. Rouan and F. W. Uthenwoldt. 2,456,449, Dec. 14.
- Carding machine. F. W. Watson. 2,442,478, June 1.
- Cards, Playing. C. G. Whitney. 2,457,020, Dec. 21.
- Cargo-carrying airplane. R. B. Conklin. 2,448,862, Sept. 7.
- Cargo container for airplanes. H. D. Fowler. 2,442,459, June 1.
- Cargo hook. N. L. Dahlander. 2,436,792, Mar. 2.
- Cargo hook. L. H. Darling. 2,436,990, Mar. 2.
- Cargo tie-down. F. L. Davis. 2,442,266, May 25.
- Cargo tie down. J. F. Geiger. 2,449,600, Sept. 21.
- Carpenter's layout wheel. F. Wheeler. 2,451,595, Oct. 19.
- Carriage, Baby. S. and N. J. Kroll. 2,439,544, Apr. 13.
- Carriage, Camera. V. R. Baby. 2,447,667, Aug. 24.
- Carriage. Collapsible. L. Cooklin and T. R. Hollis. 2,437,380, Mar. 9.
- Carriage controlled stop setting and key operating mechanism for typewriting machines. F. J. Tillman. 2,450,925, Oct. 12.
- Carriage construction, Baby. F. Manning. 2,450,051, Sept. 28.
- Carriage, Draw bench. H. H. Nye and W. E. Rogers. 2,434,006, Jan. 6.
- Carriage, Embossing machine. J. H. Gruver. 2,450,725, Oct. 5.
- Carriage, Folding, two-wheeled baby. B. Simpson. 2,442,620, June 1.
- Carriage for children, Folding. L. G. Macip. 2,447,705, Aug. 24.
- Carriage for endless band meat cutting machines. Reciprocating. W. Lasar. 2,450,601, Oct. 5.
- Carriage for vehicles, Wheeled. H. W. Jonkhoff. 2,437,823, Mar. 16.
- Carriage hood construction. R. E. Strott. 2,440,126, Apr. 20.
- Carriage, Patient transfer. G. C. Letch. 2,450,971, Oct. 12.
- Carriage spacing means for signal-controlled printing apparatus. H. L. Tholstrup. 2,439,497, Apr. 13.
- Carriage stop. R. A. Monkiewicz. 2,455,793, Dec. 7.
- Carriage translating mechanism. C. H. Richardson. 2,441,168, May 11.
- Carriage, Wheeled. M. Skolnik. 2,438,829, Mar. 30.
- Carrier: See—
- | | |
|---|---|
| Aircraft carrier. | Egg case carrier. |
| Amphibian cargo carrier. | Emergency tire carrier. |
| Article carrier. | Fish carrier. |
| Auto luggage carrier. | Folding basket carrier. |
| Automobile baggage carrier. | Folding parcel carrier. |
| Auto top ski carrier. | Golf club carrier. |
| Bag carrier. | Milk bottle carrier. |
| Bottle carrier. | Pack carrier. |
| Braiding machine carrier. | Pie-cake carrier. |
| Chart carrier. | Piston wrist pin carrier. |
| Container carrier. | Wrist-attached article carrier. |
| Carrier and package, Bottle. | E. M. and R. R. Brogden. |
| 2,441,134, May 11. | |
| Carrier for aircraft delivery. | L. Brown and L. Lacey. |
| 2,439,236, Apr. 6. | |
| Carrier for electroplating, Work. | L. J. Pianowski and S. F. Sgriccia. |
| 2,440,019, Apr. 20. | |
| Carrier for knitting machines. | M. Jauch. |
| 2,453,513, Nov. 9. | |
| Carrier for marine craft hulls and the like. | J. A. Good. |
| 2,437,736, Mar. 16. | |
| Carrier for marking machines, Reciprocating work. | H. P. Hintz and W. L. Klepac. |
| 2,435,215, Feb. 3. | |
| Carrier for radioactive material and making the same. | 2,442,617, June 1. |
| Carrier device for bottles and the like. | A. P. D. Belanger. |
| 2,445,202, July 13. | |
| Carrier wave system, Electric. | G. J. Lehman. |
| 2,441,969, May 25. | |
| Carrier wave telephone system, Two-way. | M. L. Almquist. |
| 2,440,239, Apr. 27. | |
| Carroting and drying of fur-bearing animal skins. | R. E. Naumburg. |
| 2,438,226, Mar. 23. | |
| Carroting reagents and process. | A. F. Bowles and A. J. Keegel. |
| 2,438,738, Mar. 30. | |
| Carry mechanism, Crawl. | H. W. Fleming. |
| 2,450,787, Oct. 5. | |
| Carrying device. | A. P. Robinson. |
| 2,437,405, Mar. 9. | |
| Carrying device. | H. E. Shikles, Jr., and D. E. Williams. |
| 2,446,670, Aug. 10. | |
| Cart: See— | |
| Collapsible golf cart. | Logging cart. |
| Dump cart. | |
| Cart and car seat, Foldable. | L. L. Pritchard. |
| 2,449,618, Sept. 21. | |
| Cart, Collapsible. | M. Hochron. |
| 2,437,386, Mar. 9. | |
| Cart, Collapsible shopping. | W. B. Howard. |
| 2,437,029, Mar. 2. | |
| Cart, Folding golf club. | W. Quiring. |
| 2,449,910, Sept. 21. | |
| Cart for golf bags. | N. B. Williamson. |
| 2,443,847, June 22. | |
| Cart, Laundry. | V. M. Huey. |
| 2,436,647, Feb. 24. | |
| Cart, Logging. | A. Z. Thompson. |
| 2,452,338, Oct. 26. | |
| Cart, Refuse. | F. M. Arave and T. W. Nolan. |
| 2,438,596, Mar. 30. | |
| Carton: See— | |
| Molded pulp carton. | |

- Carton. A. E. Benthams. 2,454,029, Nov. 16.
 Carton. R. M. Dunning. 2,442,079, May 25.
 Carton. R. A. Lambert. 2,443,428, June 15.
 Carton. S. Lighter. 2,435,283, Feb. 3.
 Carton. F. D. Palmer. 2,452,952, Nov. 2.
 Carton and blank for forming the same, Liquidproof lined.
 H. F. Waters. 2,436,061, Feb. 17.
 Carton and display stand. F. W. Wenzel. 2,457,291, Dec. 28.
 Carton assembling machine. L. E. La Bombard. 2,444,515, July 6.
 Carton, Cellular. L. Benoit. 2,455,291, Nov. 30.
 Carton, Cellular. J. W. Cox. 2,455,295, Nov. 30.
 Carton, Collapsible. H. Riege and E. C. Siewert. 2,437,835, Mar. 16.
 Carton, Dispensing. R. de S. Couch, E. C. Potter, and E. A. Throckmorton. 2,436,553, Feb. 24.
 Carton, Divisible. L. P. Greco. 2,448,795, Sept. 7.
 Carton erecting apparatus. P. J. Blackwell. 2,440,840, May 4.
 Carton for food products. S. H. Berch. 2,443,531, June 15.
 Carton for ice cream or the like. S. H. Berch. 2,443,530, June 15.
 Carton for vacuum bottle fillers. E. B. Whitehead. 2,438,879, Mar. 30.
 Carton-forming machine. J. J. Quigley and P. Ricklefs. 2,441,372, May 11.
 Carton having integrally formed cushioning means. E. Stone. 2,448,401, Aug. 31.
 Carton, Heavy-duty shipping. B. M. Williams. 2,447,677, Aug. 24.
 Carton, Knockdown carrier. J. O. Grady. 2,446,084, July 27.
 Carton, Pouring. J. J. Sullivan. 2,436,981, Mar. 2.
 Carton, Shipping. S. A. Blackman. 2,453,829, Nov. 16.
 Carton, Shipping and display. H. K. Powell. 2,445,280, July 13.
 Carton structure, Hollow-walled. J. D. Clarke. 2,444,497, July 6.
 Carton with sliding closure, Display. A. Behrens. 2,456,168, Dec. 14.
 Cartons by suction, Method and apparatus for sealing.
 R. M. Dunning. 2,435,878, Feb. 10.
 Cartons, Maintaining and conveying. S. Bergstein and L. J. Van Guelpen. 2,443,293, June 15.
 Cartons, Method and apparatus for closing. R. Guyer and H. O. Ronning. 2,441,410, May 11.
 Cartons, Method and machine for forming and filling reclosable.
 W. A. Ringle, W. E. Sooy, and R. W. von Sydow. 2,441,445, May 11.
 Cartons, Sealing. R. Guyer. 2,455,304, Nov. 30.
 Cartons, Shipping, storage, and display. W. B. Crane. 2,450,941, Oct. 12.
 Cartoons, Producing animated. R. Place. 2,450,017, Sept. 28.
 Cartridge blasting. F. H. Armstrong. 2,435,116, Jan. 27.
 Cartridge case venting machine. E. Moyer. 2,445,331, July 20.
 Cartridge cases, Necking and tapering. J. P. Catlin, G. R. Eckstein, and M. B. Vordahl. 2,442,841, June 8.
 Cartridge feeding mechanism for automatic guns. W. Hamilton. 2,454,251, Nov. 16.
 Cartridge, Filter. L. E. Rabjohn. 2,435,510, Feb. 3.
 Cartridge, Explosive. L. B. Counterman. 2,441,397, May 11.
 Cartridge loading. R. C. Arter. 2,440,568, Apr. 27.
 Cartridge, Mounting stylus. C. M. Chorpene. 2,453,894, Nov. 16.
 Cartridge rim gauge. R. W. Leasure. 2,444,136, June 29.
 Cartridge, Shot. W. A. Tratsch. 2,456,159, Dec. 14.
 Cartridge, Vapor-supplying. W. P. Zabel. 2,445,706, July 20.
 Case: See—
 Card case. Photometer carrying case.
 Cigarette case. Refrigerated display case.
 Cigarette or like dispensing case. Smoker's pipe case.
 Cigarette package case. Salesman's folding sample case.
 Combination cigarette and match case. Safety eyeglass case.
 Key case. Self-service display and storage case.
 Lipstick case. Spectacle case.
 Jewel case. Telescoping cigarette case.
 Mascara case. Thread case.
 Motor vehicle carrying case. Tooth paste and brush case.
 Open top access refrigerated display case. Vanity case.
 Open-top refrigerated display case.
 Case and projection unit, Combined carrying. M. R. Hutchison, Jr. 2,450,757, Oct. 5.
 Case for drills. R. D. Douglas. 2,437,595, Mar. 9.
 Case for firearms. P. M. Current. 2,455,296, Nov. 30.
 Case shift mechanism for typewriting machines, Power operated. R. D. Dodge. 2,439,456, Apr. 13.
 Case with flexible tongue, Cigarette. R. E. Mudd. 2,441,326, May 11.
 Case with rotating means, Thermometer. R. L. Papermaster. 2,456,837, Dec. 21.
 Casement window lock. M. J. Clapp. 2,443,850, June 22.
 Casing and fastening means therefor. K. M. Feiertag. 2,456,934, Dec. 21.
 Casing construction, Lock. A. Erkkila. 2,454,145, Nov. 16.
 Casing for enclosing photographic shutters to exclude moisture and dirt therefrom, Protective. D. C. Harvey. 2,439,087, Apr. 6.
 Casing for pumps. I. R. Loss. 2,450,671, Oct. 5.
 Casing for removably enclosing identifying tags. D. K. Sloane. 2,449,727, Sept. 21.
 Casing for rotary drum type fruit and vegetable dicing machines, Adjustable. W. E. and J. R. Urschel. 2,436,410, Feb. 24.
 Casing, Insulated. C. De Lange. 2,443,605, June 22.
 Casing, Pistol grip motor. K. C. Atkin. 2,451,650, Oct. 19.
 Casing, Sectional. J. E. Stout. 2,435,371, Feb. 3.
 Casing structure, Handbag. L. B. Carder. 2,451,274, Oct. 12.
 Casket and making the same. M. Skolnik. 2,448,923, Sept. 7.
 Casket construction. W. E. Wallace. 2,437,141, Mar. 2.
 Casket handle. J. Pastor and L. J. Standish. 2,436,598, Feb. 24.
 Cast polymerization. N. C. Foster. 2,451,935, Oct. 19.
 Cast refractory product. T. E. Field. 2,438,552, Mar. 30.
 Caster. C. A. Baum. 2,437,588, Mar. 9.
 Caster. E. J. Casper. 2,437,907, Mar. 16.
 Caster. E. A. Heller. 2,440,047, Apr. 20.
 Caster. J. G. Maresco. 2,456,520, Dec. 14.
 Caster. F. W. Parkhill. 2,434,863, Jan. 20.
 Caster construction. C. E. Klumb. 2,447,582, Aug. 24.
 Caster for furniture. T. Bailey. 2,437,312, Mar. 9.
 Caster mount for single-wheel trailers. O. W. Inskeep. 2,453,916, Nov. 16.
 Caster suspending and cushioning device. O. Suttles. 2,442,831, June 8.
 Caster unit. L. E. Blazey. 2,450,228, Sept. 28.
 Caster, Wax. C. F. Weston. 2,448,640, Sept. 7.
 Caster wheel lock. P. H. Sleeper. 2,445,865, July 27.
 Casting aluminum, Method and apparatus for. M. F. Booth. 2,454,961, Nov. 30.
 Casting and apparatus therefor. T. O. Theobald. 2,437,177, Mar. 2.
 Casting apparatus, Displacement type. R. J. Miller. 2,448,903, Sept. 7.
 Casting apparatus, Centrifugal. T. Loew. 2,451,103, Oct. 12.
 Casting apparatus compensating for shrinkage of the cast material. P. Campbell and W. H. Maxwell. 2,439,450, Apr. 13.
 Casting apparatus for vibrating molds. I. E. Aske. 2,439,443, Apr. 13.
 Casting light metals. M. Bean. 2,435,121, Jan. 27.
 Casting machines. E. C. Krueger. 2,449,854, Sept. 21.
 Casting machine, Centrifugal. T. C. Kuhlman. 2,456,067, Dec. 14.
 Casting machine, Plastic. L. H. Morin. 2,446,057, July 27.
 Casting machine, Stereotype. W. O. Peterson. 2,442,246, May 25.
 Casting metals, Method and apparatus for. P. Morocco. 2,445,583, July 20.
 Casting, Method of and apparatus for. G. A. Rublissow. 2,442,550, June 1.
 Casting mold. R. C. Feagin and E. H. Zahn. 2,441,695, May 18.
 Casting reel. T. F. Horan. 2,439,298, Apr. 6.
 Casting reel. K. Jellum. 2,455,495, Dec. 7.
 Casting, Soft metal. C. H. Smith. 2,447,437, Aug. 17.
 Casting tubular elements. D. R. Rankin and J. B. Wade. 2,445,364, July 20.
 Castings, Making. P. S. Hardy. 2,445,141, July 13.
 Castings on elongated mountings, Forming and arranging. L. H. Morin. 2,438,348, Mar. 23.
 Castor oil, Production of dehydrated. G. S. Monroe and V. N. Ipatieff. 2,439,982, Apr. 20.
 Catalysis, Process and apparatus for continuous. V. V. Jacomini. 2,440,475, Apr. 27.
 Catalyst. R. I. Stirtion. 2,440,236, Apr. 27.
 Catalyst chamber closure. W. H. Creel. 2,440,436, Apr. 27.
 Catalyst chamber construction. J. W. Loy. 2,450,804, Oct. 5.
 Catalyst composition. C. L. Thomas and J. C. Morrell. 2,444,965, July 13.
 Catalyst feeder. J. E. A. Grae. 2,457,461, Dec. 28.
 Catalyst fines in a catalyst conversion system, Recycling. A. H. Schutte and C. S. Reed. 2,448,553, Sept. 7.
 Catalyst for normal paraffins, Preparing an isomerization. R. E. Burk. 2,451,018, Oct. 12.
 Catalyst for the synthesis of hydrocarbons. C. O. Hawk, N. R. Stern, and L. J. E. Hofer. 2,449,071, Sept. 14.
 Catalyst for use in destructive hydrogenation of hydrocarbon oils, Preparation of. A. Voorhies, Jr. and W. E. Spicer. 2,450,316, Sept. 28.
 Catalyst from mixtures of hydrocarbons therewith in the liquid phase, Recovery of. E. C. Hughes. 2,440,543, Apr. 27.
 Catalyst, Hydrocarbon conversion. C. L. Thomas and C. F. Gerald. 2,441,214, May 11.
 Catalyst manufacture. T. H. Milliken, Jr., and I. H. Wellinsky. 2,456,721, Dec. 21.
 Catalyst, Manufacture of bead-form. H. T. Brown. 2,453,084, Nov. 2.

- Catalyst of fibrous asbestos, Producing a. L. L. Shreir. 2,444,896, July 6.
- Catalyst preparation. F. C. Gibbs, Jr., B. M. Baird, and R. J. Brosamer. 2,456,268, Dec. 14.
- Catalyst preparation. V. Haensel. 2,456,633, Dec. 21.
- Catalyst, Preparation of a silica-alumina-zirconia. C. L. Thomas and E. C. Lee. 2,439,994, Apr. 20.
- Catalyst, Preparation of spheroidal. R. C. Archibald. 2,435,379, Feb. 3.
- Catalyst process, Powdered. F. B. Johnson. 2,441,666, May 18.
- Catalyst, Producing. T. D. Oulton. 2,440,756, May 4.
- Catalyst reactivation. C. Richker. 2,443,056, June 8.
- Catalyst revivification. D. R. Jackson. 2,439,852, Apr. 20.
- Catalyst, Supported metal acetylide. J. F. Walker and T. E. Londergan. 2,439,765, Apr. 13.
- Catalyst, Tungsten-molybdenum trioxide. H. R. Arnold. 2,439,880, Apr. 20.
- Catalyst transfer system. C. S. Reed, A. H. Schutte, and V. O. Bowles. 2,453,458, Nov. 9.
- Catalysts. H. C. Huffman. 2,437,533, Mar. 9.
- Catalysts and preparation thereof, Polymerization. C. A. Kraus and J. D. Calfee. 2,440,750, May 4.
- Catalysts containing barium peroxide, Producing. K. C. Edson and F. E. Fisher. 2,436,558, Feb. 24.
- Catalysts for benzene synthesis, Preparing. O. Roelen and W. Feisst. 2,447,029, Aug. 17.
- Catalysts for hydrocarbon conversions. K. K. Kearby. 2,447,017, Aug. 17.
- Catalysts for the polymerization of butadiene-1,3 hydrocarbons. W. D. Stewart. 2,451,180, Oct. 12.
- Catalysts for use in production of chlorine. A. de Benedictis and D. B. Luten. 2,448,255, Aug. 31.
- Catalysts, Polymerization. D. W. Young and H. B. Kellogg. 2,440,498, Apr. 27.
- Catalysts, Preparing. R. C. Archibald and R. A. Trimble. 2,435,380, Feb. 3.
- Catalysts, Recovery of. N. Fragen. 2,437,352, Mar. 9.
- Catalysts with cooling of the flue gases by water injection, Regeneration of fluid. E. J. Le Roi. 2,454,466, Nov. 23.
- Catalytic alkylation. H. P. Caldwell, Jr. 2,445,560, July 20.
- Catalytic alkylation of aromatic hydrocarbons by long chain olefins. P. Hill. 2,437,356, Mar. 9.
- Catalytic alkylation of phenols by amines. De L. E. Winkler and S. A. Ballard. 2,440,036, Apr. 20.
- Catalytic alkylation process for the manufacture of high antiknock gasoline. C. L. and E. A. Ocon. 2,441,249, May 11.
- Catalytic apparatus. M. P. Matuszak. 2,443,773, June 22.
- Catalytic contact process. W. W. Weinrich, C. A. Holloway, Jr., and W. S. Bonnell. 2,450,174, Sept. 23.
- Catalytic conversion of hydrocarbons. W. H. Borchering. 2,455,915, Dec. 14.
- Catalytic conversion of hydrocarbons. J. W. Jewell. 2,439,811, Apr. 20.
- Catalytic conversion of hydrocarbons. G. A. Mills. 2,453,152, Nov. 9.
- Catalytic conversion of hydrocarbons. C. W. Tyson, H. G. M. Fischer, and E. V. Murphree. 2,438,467, Mar. 23.
- Catalytic conversion of hydrocarbons. L. J. Weber. 2,443,337, June 15.
- Catalytic conversion of hydrocarbons. L. D. Wier. 2,447,149, Aug. 17.
- Catalytic conversion of hydrocarbons with a cerium phosphate catalyst. G. R. Bond, Jr., and G. A. Mills. 2,449,050, Sept. 14.
- Catalytic conversion of hydrocarbons with a thorium phosphate catalyst. G. A. Mills. 2,446,547, Aug. 10.
- Catalytic conversion process. H. W. Grote. 2,436,922, Mar. 2.
- Catalytic conversion process. R. J. Hengstebeck and R. S. McDaniel. 2,451,619, Oct. 19.
- Catalytic conversion system. R. J. Hengstebeck. 2,457,232, Dec. 28.
- Catalytic conversion system. F. W. Scheineman. 2,439,582, Apr. 13.
- Catalytic conversion systems employing fluidized solids. H. K. Wheeler, Jr., and R. J. Hengstebeck. 2,449,095, Sept. 14.
- Catalytic conversion unit, Operation of a fluid. F. M. Orr. 2,456,310, Dec. 14.
- Catalytic conversions, Effecting. H. V. Atwell. 2,438,029, Mar. 16.
- Catalytic conversions, Effecting. H. V. Atwell. 2,443,673, June 22.
- Catalytic cracking. W. A. Pardee and C. W. Montgomery. 2,441,974, May 25.
- Catalytic cracking and reforming the production of aviation gasoline. E. V. Murphree. 2,451,041, Oct. 12.
- Catalytic cracking of hydrocarbon oils. H. B. Willard. 2,452,172, Oct. 26.
- Catalytic cracking of hydrocarbon oils with activated clays. W. E. Spicer and J. A. Pierce. 2,445,370, July 20.
- Catalytic cracking of hydrocarbons. C. L. Thomas. 2,444,545, July 6.
- Catalytic dealkylation of alkyl aromatic compounds. W. I. Gilbert and C. W. Montgomery. 2,435,038, Jan. 27.
- Catalytic destructive hydrogenation. C. W. Montgomery, J. B. McKinley, and V. J. Anhorn. 2,440,869, May 4.
- Catalytic hydrogenation of aminoacetonitrile to ethylene diamine. A. G. Weber and C. D. Bell. 2,436,368, Feb. 17.
- Catalytic hydrogenation of carbon oxides. A. J. Millendorf. 2,445,796, July 27.
- Catalytic hydrogenation of 2,4-diamino-5-nitroso-6-hydroxy pyrimidine. R. Mazingo and G. S. Fonken. 2,447,523, Aug. 24.
- Catalytic isomerization of unsaturated glyceride oils. C. J. Plank. 2,435,695, Feb. 10.
- Catalytic oxidation of nicotine. F. E. Cislak and W. R. Wheeler. 2,456,380, Dec. 14.
- Catalytic oxidation of substituted pyridine bases. F. E. Cislak and W. R. Wheeler. 2,437,938, Mar. 16.
- Catalytic oxidation of unsaturated organic compounds. N. A. Milas. 2,437,648, Mar. 9.
- Catalytic polymerisation of methyl methacrylate. F. T. White and A. J. Daly. 2,440,318, Apr. 27.
- Catalytic polymerization of hydrocarbons. A. A. Draeger and H. G. Schutze. 2,443,817, June 22.
- Catalytic process. G. M. Whitman. 2,443,016, June 8.
- Catalytic process for producing butadiene. L. U. Spence, D. J. Butterbaugh, and D. G. Kundiger. 2,438,464, Mar. 23.
- Catalytic process for the isomerization of hydrocarbon vapors in the presence of a metal-halide catalyst. H. R. Legatski. 2,437,394, Mar. 9.
- Catalytic process for the synthesis of hydrocarbons and the like from hydrogen and the oxides of carbon. L. P. Gaucher. 2,436,962, Mar. 2.
- Catalytic reactions, Conducting. K. H. Hachmuth. 2,440,822, May 4.
- Catalytic reactions, Effecting. F. J. Moore. 2,440,109, Apr. 20.
- Catalytic reactor. C. C. Watson. 2,438,242, Mar. 23.
- Catalytic reforming of hydrocarbon mixtures. A. C. Byrns. 2,445,345, July 20.
- Catalytic reforming of hydrocarbons. H. C. Huffman. 2,437,532, Mar. 9.
- Catalytic reforming of hydrocarbons. K. K. Kearby. 2,447,016, Aug. 17.
- Catalytic reforming of hydrocarbons. G. M. Webb and M. A. Smith. 2,443,285, June 15.
- Catalytic synthesis of hydrocarbons. W. E. Hendriksen. 2,449,775, Sept. 21.
- Catalytic synthesis of hydrocarbons with controlled recycle of carbon dioxide. DuB. Eastman. 2,436,957, Mar. 2.
- Catalytic treatment of hydrocarbon oil. A. D. Smith. 2,436,496, Feb. 24.
- Catalytic treatment of hydrocarbons. H. C. Huffman. 2,437,531, Mar. 9.
- Catalytically hydrogenating organic substances. H. M. Guinot. 2,456,187, Dec. 14.
- Catalyzed sulfamic acid sulfation. J. D. Malkemus, J. Ross, and D. J. Potter. 2,452,943, Nov. 2.
- Catamenial tampon. A. B. Donovan. 2,440,141, Apr. 20.
- Catch. E. M. Borchers. 2,451,798, Oct. 19.
- Catch. Cupboard. H. Quigley and A. F. Lickteig. 2,453,935, Nov. 16.
- Catch, Cupboard. H. Quigley and H. Ter Meer. 2,439,549, Apr. 13.
- Catch for closures, Sliding and swinging. F. Gerson. 2,442,041, May 25.
- Catcher, Hog. M. R. Fairchild. 2,441,996, May 25.
- Catch for watch bracelets, Box. C. F. H. Fontaine. 2,454,439, Nov. 23.
- Catcher for fruit and nut gatherers. W. L. Isom. 2,436,648, Feb. 24.
- Catcher, Roving. W. H. Bussiere. 2,442,162, May 25.
- Cathead. O. M. Gahagan. 2,449,376, Sept. 14.
- Cathead, Automatic. O. M. Gahagan. 2,452,451, Oct. 26.
- Cathead with replaceable sleeve. R. Lack. 2,435,086, Jan. 27.
- Catheter-type instrument. L. H. Krippendorf. 2,437,542, Mar. 9.
- Cathode. G. F. Rouse. 2,456,649, Dec. 21.
- Cathode and heater, Thermionic. R. R. Law. 2,456,714, Dec. 21.
- Cathode assembly for electron discharge devices. J. A. Morton and L. J. Speck. 2,455,381, Dec. 7.
- Cathode controlled electronic voltage regulator circuit. E. M. Sorensen. 2,455,143, Nov. 30.
- Cathode for electronic discharge devices. H. B. Allen, Jr. 2,455,287, Nov. 30.
- Cathode-grid assembly for a cathode-ray tube. J. Kelar. 2,443,916, June 22.
- Cathode heater supply from cathode-ray deflecting circuit. C. E. Torsch. 2,441,732, May 18.
- Cathode, High emission. B. Fox. 2,452,044, Oct. 26.
- Cathode-ray apparatus. R. B. Gethmann. 2,456,399, Dec. 14.
- Cathode-ray apparatus. D. R. De Tar. 2,443,025, June 8.
- Cathode-ray beam deflecting circuit. S. I. Tourshou. 2,440,418, Apr. 27.
- Cathode-ray beam, Incremental deflection of. R. L. Snyder, Jr. 2,436,677, Feb. 24.
- Cathode-ray device mounting. P. T. Sproul. 2,446,674, Aug. 10.
- Cathode-ray oscillograph circuit. P. S. Christaldi. 2,448,771, Sept. 7.
- Cathode-ray oscilloscope circuit. G. Hecht and L. A. Meacham. 2,452,655, Nov. 2.

- Cathode-ray oscilloscope circuit with timing marks. J. O. Edson. 2,434,264, Jan. 13.
- Cathode-ray oscilloscope, Portable. H. W. A. Chalberg. 2,440,538, Apr. 27.
- Cathode-ray phase indicator. A. A. Stuart, Jr. 2,439,877, Apr. 20.
- Cathode-ray power indicator. R. P. Owen. 2,445,964, July 27.
- Cathode-ray projector tube. C. S. Szegho. 2,448,476, Aug. 31.
- Cathode-ray screen. G. R. Fonda. 2,435,435, Feb. 3.
- Cathode-ray signal utilizing means. K. E. Gould and P. Mertz. 2,451,484, Oct. 19.
- Cathode-ray storage tube. H. Iams, A. Rose, and G. L. Krieger. 2,454,652, Nov. 23.
- Cathode-ray tube. L. H. Bedford, J. Bell, and E. M. Langham. 2,456,809, Dec. 21.
- Cathode-ray tube. S. T. Henderson. 2,446,764, Aug. 10.
- Cathode-ray tube. H. H. Lanier and R. E. Mueller. 2,449,558, Sept. 21.
- Cathode-ray tube. E. Pohle, J. Rutledge, and I. E. Lemper. 2,436,265, Feb. 17.
- Cathode-ray tube. R. C. Raymond. 2,454,204, Nov. 16.
- Cathode-ray tube. T. N. Ross. 2,449,752, Sept. 21.
- Cathode-ray tube. G. C. Sziklai. 2,449,339, Sept. 14.
- Cathode-ray tube. P. K. Weimer. 2,452,619, Nov. 2.
- Cathode-ray tube and circuit, Flat beam. L. F. Broadway. 2,439,504, Apr. 13.
- Cathode-ray tube and visual indicating systems for apparatus including cathode-ray tube. H. Wolfson. 2,436,847, Mar. 2.
- Cathode-ray tube control circuit. E. J. Isbister and W. N. Dean. 2,453,711, Nov. 16.
- Cathode-ray tube pulse demodulator system. E. Labin and D. D. Grieg. 2,438,928, Apr. 6.
- Cathode-ray tube scanning circuit. R. L. Snyder, Jr. 2,449,792, Sept. 21.
- Cathode-ray tube screen. C. R. Fonda. 2,435,436, Feb. 3.
- Cathode-ray tube screen and process. S. J. Koch and R. E. Rutherford. 2,438,668, Mar. 30.
- Cathode-ray tube with discharge to deflecting plates. J. B. Maggio. 2,436,393, Feb. 24.
- Cathode, Rugged. P. D. Williams. 2,456,761, Dec. 21.
- Cathode sputtering apparatus for coating oscillator plates. W. H. E. Samuelson. 2,456,795, Dec. 21.
- Cathode structure. J. E. Beggs. 2,445,993, July 27.
- Cathode structure. D. F. Drieschman. 2,442,165, May 25.
- Cathode structure. P. Kusch. 2,440,203, Apr. 20.
- Cathode structure. H. T. O'Neill. 2,452,786, Nov. 2.
- Cathode structure. P. L. Spencer. 2,447,038, Aug. 17.
- Cathode structure for electron discharge devices. C. R. Blazier and D. A. S. Hale. 2,448,573, Sept. 7.
- Cathode support structure. P. Kusch. 2,437,880, Mar. 16.
- Cathodes, Activating. H. A. Poehler and L. R. Keene. 2,434,517, Jan. 13.
- Cathodes of electric discharge tubes, Manufacturing. R. Loosjes. 2,453,753, Nov. 16.
- Cathodic protection of metallic structures, Providing. A. B. MacTaggart and G. J. Thomson. 2,435,973, Feb. 17.
- Cationic isouquinoline pesticide. H. H. Mosher and F. L. Howard. 2,435,458, Feb. 3.
- Cavity resonator circuit. P. S. Carter. 2,444,152, June 29.
- Cavity resonator, Coupled. V. L. Ronci. 2,447,537, Aug. 24.
- Cavity resonator electric wave generator. G. J. Lehmann. 2,445,784, July 27.
- Cavity-resonator switching system, Dual. J. I. Marcum. 2,445,445, July 20.
- Ceiling and wall construction. H. L. Finch. 2,447,694, Aug. 24.
- Celery cutter. T. J. Bell. 2,438,598, Mar. 30.
- Cell, Blocking-layer. J. J. A. P. van Amstel. 2,446,254, Aug. 3.
- Cell for measuring the electrical characteristics of materials. F. W. Stein. 2,440,386, Apr. 27.
- Cell for optical testing apparatus, Radiation absorption. W. R. Flatford and F. W. Crawford. 2,436,511, Feb. 24.
- Cell for recovering manganese, Electrolytic. J. H. Jacobs and W. H. Yarroll. 2,456,196, Dec. 14.
- Cells, Electrolytic alkali chlorine. K. E. Stuart. 2,447,547, Aug. 24.
- Cellular glass slabs, Preparing. A. H. Baker. 2,445,298, July 13.
- Cellular thermoplastic products, Manufacture of. O. R. McIntire. 2,450,436, Oct. 5.
- Cellular thermoplastic receptacles, Making. L. E. Daly and J. F. Schott. 2,452,999, Nov. 2.
- Cellulose acetate fabrics with the aid of an intermediate thiocyanate treatment, Discharge printing of colored. H. G. Scull and J. G. McNally. 2,436,059, Feb. 17.
- Cellulose acetate fibers having wool dyeing properties and a spinning solution therefor. J. R. Caldwell. 2,439,074, Apr. 6.
- Cellulose compound containing a plasticizer formed from a diolefin and formaldehyde. T. C. Whitner. 2,443,409, June 15.
- Cellulose compound, Solid fire-resistant. J. H. Klaber and J. Bjorksten. 2,440,202, Apr. 20.
- Cellulose compound wrinkle composition. N. T. Beynon. 2,456,670, Dec. 21.
- Cellulose ester compositions, Stabilized. R. M. Hitchens. 2,455,581, Dec. 7.
- Cellulose ester lithographic printing process. R. S. Colt. 2,448,861, Sept. 7.
- Cellulose ester melt-coating composition. M. Salo and H. F. Vivian. 2,439,103, Apr. 6.
- Cellulose ester or ether plasticized with ethyl alpha-carbethoxyethoxyethyl carbonate. C. E. Rehberg. 2,453,264, Nov. 9.
- Cellulose ester stabilization in anhydrous medium. C. Dreyfus, R. D. Rowley, and R. F. Thompson. 2,456,688, Dec. 21.
- Cellulose esters and ethers, Fire-resistant. J. H. Klaber and J. Bjorksten. 2,440,201, Apr. 20.
- Cellulose ether compositions. H. J. West. 2,453,608, Nov. 9.
- Cellulose ether composition. R. F. B. Cox. 2,454,273, Nov. 23.
- Cellulose ether plasticized with bis(allyl lactate) maleate. C. E. Rehberg and C. H. Fisher. 2,452,209, Oct. 26.
- Cellulose ethers of 3,4 epoxy 1-butene and their oxidation products. D. M. Musser. 2,455,083, Nov. 30.
- Cellulose ethers, Stabilization of. P. Van Wyck. 2,445,374, July 20.
- Cellulose, Making alkali. A. Ruperti. 2,447,914, Aug. 24.
- Cellulose organic acid ester plastic containing resorcinol monobenzoate. L. W. A. Meyer and W. M. Gearhart. 2,436,116, Feb. 17.
- Cellulose textile fibers, Bleaching. T. C. Whitner. 2,438,100, Mar. 16.
- Cellulose textiles with an alkylolamine-copper complex, Modifying. T. C. Whitner. 2,446,682, Aug. 10.
- Cellulosic material, Impregnation of. W. E. Flood and E. Kosinski. 2,434,106, Jan. 6.
- Cellulosic pellicle, Regenerated. C. M. Rosser. 2,436,181, Feb. 17.
- Cement and making the same, Disinfectant hydraulic. C. R. Amberg and W. J. Knapp. 2,439,441, Apr. 13.
- Cement block machine. K. W. Gibbs and R. Hillman. 2,454,442, Nov. 23.
- Cement composition, Hydraulic. D. R. MacPherson. 2,435,594, Feb. 10.
- Cement composition, Water-setting. C. C. Schuetz. 2,446,990, Aug. 10.
- Cement, Hydraulic. O. T. Zimmerman. 2,445,052, July 13.
- Cement, Making disinfectant hydraulic. C. R. Amberg and W. J. Knapp. 2,439,440, Apr. 13.
- Cement mixer. H. W. and M. Bonney. 2,452,896, Nov. 2.
- Cement, Sorel. D. S. Hubbell. 2,450,513, Oct. 5.
- Cement, Thermosetting lens. W. F. Parsons and J. R. Dann. 2,445,535-6, July 20.
- Cement, Thermoplastic lens. H. C. Thuline, W. F. Parsons, and G. P. Waugh. 2,438,953, Apr. 6.
- Cement, Waterproof. W. Helms. 2,434,695, Jan. 20.
- Cemented optical element having light absorbing coating. J. D. Reardon and G. E. Guellich. 2,437,126, Mar. 2.
- Cement, Insoluble rib. H. C. Paulsen. 2,455,518, Dec. 7.
- Cementing, Multiple stage. C. A. Pitts. 2,435,016, Jan. 27.
- Cementitious sheets, Manufacture of. H. J. Otis and J. Hesse. 2,446,782, Aug. 10.
- Cements, Adhesive. G. M. Rapp. 2,443,081, June 8.
- Censer. J. M. Bash. 2,456,244, Dec. 14.
- Center bearing. H. A. Balke. 2,455,970, Dec. 14.
- Center frequency stabilized frequency modulated oscillator. K. Rath. 2,436,871, Mar. 2.
- Center of gravity location indicator. M. C. Wardle and D. J. Howard. 2,453,607, Nov. 9.
- Center punch. E. F. Hager. 2,455,577, Dec. 7.
- Centerboard installation. H. W. Rice. 2,437,271, Mar. 9.
- Centerimeter. R. H. Colwill. 2,447,932, Aug. 24.
- Centering device. T. J. Davis. 2,451,720, Oct. 19.
- Centering device. R. H. Fay. 2,444,559, July 6.
- Centering device. O. I. Thanem. 2,455,827, Dec. 7.
- Centering device. E. C. Wege. 2,441,925, May 18.
- Centering means for cathode-ray deflecting circuits. P. F. G. Holst and L. R. Kirkwood. 2,455,771, Dec. 7.
- Centrifugal apparatus. L. P. Sharples. 2,446,559, Aug. 10.
- Centrifugal casting. A. K. Higgins. 2,450,755, Oct. 5.
- Centrifugal casting. T. C. Kuhlman. 2,450,832, Oct. 5.
- Centrifugal compressor. F. Whittle. 2,438,426, Mar. 23.
- Centrifugal dust separator. L. W. Hills. 2,441,631, May 18.
- Centrifugal fan. C. O. Bergstrom. 2,439,124, Apr. 6.
- Centrifugal impeller. W. Ayers. 2,434,896, Jan. 27.
- Centrifugal machine. P. van Riel. 2,455,284, Nov. 30.
- Centrifugal means for admitting air to submarines. C. E. Beeman. 2,434,453, Jan. 13.
- Centrifugal pump. O. Jacobsen. 2,454,390, Nov. 23.
- Centrifugal pump. F. C. Jones. 2,451,030, Oct. 12.
- Centrifugal pump. J. F. Leach. 2,437,103, Mar. 2.
- Centrifugal pump. O. C. Norton. 2,439,577, Apr. 13.
- Centrifugal pump provided with diffuser. G. P. E. Howard and A. Ivanoff. 2,450,143, Sept. 28.
- Centrifugal pump with impeller supporting wear rings. E. Hart. 2,440,947, May 4.
- Centrifugal separator. B. S. Hughes. 2,452,465, Oct. 26.
- Centrifugal separator. H. O. Vogel. 2,456,347, Dec. 14.
- Centrifugal switch. V. H. Hardy. 2,446,923, Aug. 10.
- Centrifugal switch. J. H. Sreb. 2,455,620, Dec. 7.
- Centrifugal switch. W. Z. West, Jr., and M. F. Gamble. 2,441,914, May 18.

- Centrifugally operated, expanding shoe type, automatic clutch. G. S. Papas. 2,455,086, Nov. 30.
- Centrifugally operated switch. H. L. Lambert. 2,438,810, Mar. 30.
- Centrifugally operated switch. H. L. Lambert. 2,443,659, June 22.
- Centrifuge, Continuous process. G. I. Woolaver. 2,435,665, Feb. 10.
- Centrifuge, Self-balancing. M. A. Giblin. 2,453,367, Nov. 9.
- Centrifuges for separating from a liquid matters suspended or emulgated therein. E. A. Forsberg. 2,435,623, Feb. 10.
- Ceramic bodies using thermoplastic binder, Injection molding. G. N. Howatt. 2,434,271, Jan. 13.
- Ceramic heating plate construction. F. Rodwick. 2,445,086, July 13.
- Ceramic mixtures. L. Bonnet and M. Marty. 2,436,708, Feb. 24.
- Cereal, Compressed. I. A. Berg. 2,437,150, Mar. 2.
- Cereals, Mashing. E. C. Pattee. 2,451,510, Oct. 19.
- Chaffer for threshing machines, Auxiliary. A. Dion. 2,441,917, May 18.
- Chain: See—
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| Antiskid chain. | Drive chain. |
| Antiskid cross chain. | Drive or sprocket chain. |
| Antiskid tire chain. | Extension key chain. |
| Auto chain. | Flat top conveyer chain. |
| Cleat chain. | Nonskid tire chain. |
| Conveyer chain. | Pintle chain. |
| Cutter chain. | Tire chain. |
| Cutting chain. | Tire skid chain. |
- Chain and lock mechanism. B. D. Robins. 2,452,151, Oct. 26.
- Chain and making the same. R. S. Miller. 2,439,522, Apr. 13.
- Chain and method and apparatus for forming same. H. W. Dodson. 2,440,254, Apr. 27.
- Chain coupling. H. J. Woodsley, E. A. Campbell, and C. Jenkins. 2,448,482, Aug. 31.
- Chain connection. R. E. Smith. 2,435,328, Feb. 3.
- Chain forming machine. L. B. Gilbert and R. J. Kieffer. 2,450,396, Sept. 28.
- Conveyer chain.
- Chain link. H. St. Pierre. 2,451,254, Oct. 12.
- Chain link and making same. H. St. Pierre. 2,451,255, Oct. 12.
- Chain link, Transmission. R. L. Saifyrd. 2,450,565, Oct. 5.
- Chain links, Making. H. St. Pierre. 2,451,253, Oct. 12.
- Chain lock. A. Lecompte. 2,451,100, Oct. 12.
- Chain securing device, Antiskid. S. Kostelny. 2,444,513, July 6.
- Chain snap, Automobile. L. R. Beckman. 2,457,435, Dec. 28.
- Chain structure, Decorative. A. Blumstein. 2,437,932, Mar. 16.
- Chain structure, Conveyer. S. S. Barker. 2,446,685, Aug. 10.
- Chain tool. J. A. Kellgren. 2,444,450, July 6.
- Chains, Making elastic. W. Hartnaff. 2,452,752, Nov. 2.
- Charging suspended particles. H. J. White. 2,440,455, Apr. 27.
- Chair: See—
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| Adjustable chair. | Hinged back collapsible chair. |
| Adjustable spring supported chair. | Horizontally swinging bracket supported auxiliary chair. |
| Adjustable reclining chair. | Knockdown metal chair. |
| Automatic adjustable chair. | Knockdown wrought iron chair. |
| Boatswain's chair. | Lounge chair. |
| Bracket supported suspended chair. | Retracting type theater chair. |
| Collapsible chair. | Spring supported rocking chair. |
| Collapsible rocking chair. | Stadium folding chair. |
| Commode chair. | Wheel chair. |
| Composite chair. | |
| Convertible four-way child's chair. | |
| Infant's chair. | |
- Chair. M. Greitzer. 2,440,470, Apr. 27.
- Chair. H. V. Thaden. 2,449,322, Apr. 6.
- Chair. B. R. Weill. 2,435,064, Jan. 27.
- Chair and table, Child's knockdown. B. Creech. 2,456,111, Dec. 14.
- Chair attachment, Wheel. C. B. Faulkner. 2,441,997, May 25.
- Chair construction, High. H. M. Wood. 2,457,294, Dec. 28.
- Chair for gunners, Adjustable. R. E. Duplessis. 2,453,208, Nov. 9.
- Chair iron for tilting chairs. H. W. Sheldrick. 2,447,283, Aug. 17.
- Chair iron for tilting seats. A. J. Raitch. 2,441,251, May 11.
- Chair seat. W. E. Nordmark. 2,449,500, Sept. 14.
- Chair structure, Spring pivot. E. B. Morgan and R. W. Clay. 2,455,262, Nov. 30.
- Chair with tray, Laterally folding. S. A. Brandes and F. L. Greenfield. 2,447,391, Aug. 17.
- Chairs, Controlling means for adjustable back. O. A. Reinhold. 2,443,400, June 15.
- Chaise longue. W. W. Vincent, Jr. 2,452,405, Oct. 26.
- Chamber, Acoustic. C. B. Horsley. 2,456,706, Dec. 21.
- Chamber for closed fluid systems, Float type expansion. A. H. Hofberg. 2,444,351, June 29.
- Chamber motor with piston actuated valve for jolting machines, Expandable. R. Burt. 2,447,312, Aug. 17.
- Chamber, Portable recompression. L. M. Plemel and B. J. Abernathy, Jr. 2,448,546, Sept. 7.
- Chamber with enlarged upper portion, Coking. J. Becker. 2,447,837, Aug. 24.
- Chambers, Geiger-Müller tubes, and the like, Ionization. A. Graves and T. J. Dawes. 2,449,697, Sept. 21.
- Chamfering device, Adjustable. S. E. Mueller, G. V. Anderson, and A. Dacas. 2,456,140, Dec. 14.
- Changeable decorative fabric. A. L. Joyce. 2,457,309, Dec. 28.
- Changeable key cylinder lock. C. Gabrielsen. 2,453,066, Nov. 2.
- Change-over system for cinematographic projectors. M. Jenkins. 2,448,220, Aug. 31.
- Change-speed mechanism. W. B. Barnes. 2,444,691, July 6.
- Change-speed mechanism, Operation and control of. J. B. Cornelius. 2,443,228, June 15.
- Change-speed transmission, Automatic. O. H. Banker. 2,449,964, Sept. 21.
- Channel identifying system. A. G. Richardson, M. Dishal, and J. S. LeGrand. 2,436,827, Mar. 2.
- Charge forming device. Le Roy J. Evans. 2,447,268, Aug. 17.
- Charge forming device. C. F. Klaburner. 2,444,199, June 29.
- Charge forming device. F. C. Mock. 2,447,261, Aug. 17.
- Charge forming device. F. C. Mock. 2,447,262, Aug. 17.
- Charge forming device. F. C. Mock. 2,447,263, Aug. 17.
- Charge regulating device, Auxiliary. J. A. Bolt and R. W. Moore. 2,447,793, Aug. 24.
- Charging an electrical condenser, Method and apparatus for. J. W. Dawson. 2,436,794, Mar. 2.
- Charging, sealing and discharging mixers. L. G. Hilke-meier and G. K. Viall. 2,451,555, Oct. 19.
- Chart carrier. J. S. Clachko. 2,456,677, Dec. 21.
- Chart, Facial analysis. G. L. Henry. 2,438,246, Mar. 23.
- Chart supporting and feeding means for recording instruments. R. E. Woolley. 2,446,400, Aug. 3.
- Check circuit for inspection apparatus. R. E. Schell. 2,439,490, Apr. 13.
- Check, Door. S. T. Alexander. 2,447,678, Aug. 24.
- Check for mechanical lubricators, Terminal. B. E. Folke. 2,447,695, Aug. 24.
- Check for picker stick of looms. F. H. Pressley. 2,452,955, Nov. 2.
- Check protector. A. M. Goike. 2,446,471, Aug. 3.
- Check protector. W. R. Jesseph. 2,442,567, June 1.
- Check, Storm door. C. E. Gibbs. 2,446,004, July 27.
- Check valve. A. Berteau. 2,447,729, Aug. 24.
- Check valve. L. H. Browne. 2,446,571, Aug. 10.
- Check valve. A. W. Calvin. 2,444,182, June 29.
- Check valve and storage system containing same. T. A. St. Clair. 2,441,911, May 18.
- Checked game board. C. H. Hayes. 2,450,829, Oct. 5.
- Checkerwork and brick therefor. T. H. Kennedy. 2,451,392, Oct. 12.
- Checkerwork for furnaces. J. E. MacDonald. 2,438,814, Mar. 30.
- Checking device for the warp threads in circular looms. C. Christiansen and G. O. K. Rüsck. 2,450,183, Sept. 28.
- Checking system, Cipher. L. M. Potts. 2,456,733, Dec. 21.
- Cheese, Cottage. G. C. North and L. Little. 2,446,550, Aug. 10.
- Cheese, Making. Z. D. Roundy and H. L. Keil. 2,450,814, Oct. 5.
- Cheese pusher. F. B. Branchfield, Sr. 2,457,441, Dec. 28.
- Chemical catalytic conversion of hydrocarbon oils. C. E. Hemminger. 2,438,439, Mar. 23.
- Chemical composition. A. R. Jones. 2,447,615, Aug. 24.
- Chemical conversion of salt containing solutions. A. L. Bunting. 2,452,179, Oct. 26.
- Chemical gun trap. H. E. Cootes and H. R. Graybill. 2,448,418, Aug. 31.
- Chemical polishing of metal surfaces. H. A. H. Pray, I. Igelsrud, and G. L. Simard. 2,446,060, July 27.
- Chemical process. E. H. McArdle and D. M. Mason. 2,435,792, Feb. 10.
- Chemical process and product. H. R. Dittmar and D. E. Strain. 2,443,378, June 15.
- Chemical production of potable water from non-potable saline water. A. Goetz. 2,445,669, July 20.
- Chemical reactivity and adsorptive capacity of lignin from wood saccharification, Improving. E. Farber and M. Sciascia. 2,449,209, Sept. 14.
- Chemical reactions, Controlling. B. E. Roethel. 2,437,334, Mar. 9.
- Chemical removal of an acid-soluble metal part in a deep well. P. H. Cardwell and L. H. Eilers. 2,436,196-8, Feb. 17.
- Chemical testing device. J. W. Magee. 2,434,942, Jan. 27.
- Chemiluminescent composition of matter, Preparation of. H. T. Lacey and R. E. Brouillard. 2,453,578, Nov. 9.
- Chess game recorder. A. W. Fey. 2,434,066, Jan. 6.
- Chess or checker board with game piece retaining means, Portable. R. W. Edwards. 2,454,639, Nov. 23.
- Chest, Ammunition. W. C. Broga. 2,452,545, Nov. 2.

- Chest, Paper board. W. G. Anderson, Jr. 2,439,959, Apr. 20.
- Chewing gum base. W. P. Cohoe. 2,444,871, July 6.
- Children's vehicle. J. A. Di Bartolomeo. 2,451,665, Oct. 19.
- Child's convertible chair table. D. I. Scharaga. 2,435,290, Feb. 3.
- Child's folding seat. E. B. Thompson. 2,449,629, Sept. 21.
- Child's toilet seat. L. B. Mellichampe. 2,449,498, Sept. 14.
- Child's toilet seat. W. H. Perrin. 2,454,199, Nov. 16.
- Chime switch. M. F. Miller. 2,444,576, July 6.
- Chimney cap. J. A. Hurt. 2,452,240, Oct. 26.
- Chimney cap. E. W. Kepple. 2,448,806, Sept. 7.
- Chimney construction. C. C. Droeger. 2,455,570, Dec. 7.
- Chimney construction. E. O. Howle. 2,457,471, Dec. 28.
- Chimney construction and fitting therefor. D. V. Meiller, J. D. Preble, and L. W. Tuttle. 2,438,411, Mar. 23.
- Chimney cowl. J. E. B. With. 2,456,232, Dec. 14.
- Chimney, Insulated. E. O. Howle. 2,457,470, Dec. 28.
- Chimney insulation. R. F. Van Alstyne. 2,446,729, Aug. 10.
- Chip breaking attachment for drilling machines. M. C. Taylor. 2,457,795, Dec. 28.
- Chip truck for sawing and other machines. E. C. Krueger. 2,446,137, July 27.
- Chips, Melting brass. D. K. Crampton, P. E. Petersen, and M. L. Wood. 2,446,637, Aug. 10.
- Chiropractic machine. A. H. Binash, W. A. Tull, and R. T. Gautney. 2,451,607, Oct. 19.
- Chloride and producing same, Carbamyl. R. J. Slocombe and E. E. Hardy. 2,447,372, Aug. 27.
- Chlorides from potassium carbonate, Separation of. R. D. Pike. 2,448,191, Aug. 31.
- Chlorinated paraffin wax amines for controlling fungi and bacteria. T. E. Reamer. 2,448,910, Sept. 7.
- Chlorination of furan. O. W. Cass and H. B. Copelin. 2,443,493, June 15.
- Chlorination of hydrocarbons. J. A. Norton. 2,446,430, Aug. 3.
- Chlorination of hydrocarbons. J. S. Sconce and A. N. Johnson. 2,436,366, Feb. 17.
- Chlorination of starch and products thereof. H. N. Barham. 2,448,510, Sept. 7.
- Chlorine and sodium sulfate, Manufacture of. R. K. Iler. 2,445,117, July 13.
- Chlorine and sodium sulfate, Producing. A. W. Hixson and R. Miller. 2,441,550, May 11.
- Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite. R. H. Wiley. 2,456,231, Dec. 14.
- Chlorine-containing vinyl resins stabilized with a tri-(2-alkenyl)-phosphite and a 1,2-epoxy compound. H. J. Richter. 2,456,216, Dec. 14.
- Chlorine dioxide, Making. J. F. Haller. 2,451,826, Oct. 19.
- Chlorine dioxide, Production of. R. N. Aston. 2,436,134, Feb. 17.
- Chlorine manufacture. R. W. Richardson and J. A. Pierce. 2,451,870, Oct. 19.
- Chloroacetonitrile, Production of. I. Hechenbleikner. 2,442,542, June 1.
- Chloroalkylamine hydrochlorides, Preparing. A. F. Hardman. 2,443,385, June 15.
- Chlorobenzalacetone copolymer. R. B. Seymour and D. T. Mowry. 2,437,980, Mar. 16.
- Chlorohydrins of polyhydric alcohols, Producing. H. Rapoport. 2,441,595, May 18.
- Chlorohydroxynitrophenyl sulfide. W. F. Hester and W. E. Craig. 2,450,342, Sept. 28.
- Chlorophyll by floating off impurities with the aid of a salt solution, Purification of. B. Gruskin. 2,434,649, Jan. 20.
- Chloroprene, Polymerization of. J. R. Vincent. 2,451,787, Oct. 19.
- Chock block. W. E. and R. E. Mast. 2,442,501, June 1.
- Chock, Vehicle. W. T. Schwarzhoff. 2,442,023, May 25.
- Chock, Vehicle wheel. C. L. Gregg. 2,441,627, May 18.
- Chocks for aircraft and other vehicles. M. J. Madison. 2,437,108, Mar. 2.
- Chocolate coated dibles. H. R. Burbank and B. J. Zenlea. 2,434,987, Jan. 27.
- Chocolate, Making sweet. E. F. McGee. 2,451,630, Oct. 19.
- Choke attachment for gun barrels. W. H. McAllister. 2,442,899, June 8.
- Choke, Automatic. A. G. Winter. 2,446,352, Aug. 3.
- Choke fitting. C. W. Maliphant. 2,457,578, Dec. 28.
- Choke, Shotgun. J. E. A. Ezleson. 2,453,747, Nov. 16.
- Choke, Subsurface. O. L. Furse. 2,440,506, Apr. 27.
- Choker for trapped animals. M. E. Churchill. 2,446,078, July 27.
- Choline chloride, Preparation of. W. F. Gresham. 2,457,226, Dec. 28.
- Chopper, Field pick up hay. A. J. McCormack. 2,439,259, Apr. 6.
- Chopper, Positive feed food. G. Haniquet. 2,436,107, Feb. 17.
- Chopper with burners, Cotton. L. B. Swafford. 2,456,901, Dec. 21.
- Christmas tree holder. W. H. and W. S. Brown. 2,455,404, Dec. 7.
- Christmas tree holder. C. J. Schroeder. 2,455,025, Nov. 30.
- Christmas tree stand. W. M. Lewis. 2,454,877, Nov. 30.
- Chromium complexes of pyrazalone azo dyes. A. W. Nies. 2,446,662, Aug. 10.
- Chromium compounds and compositions containing them, Rust preventive. P. R. McCarthy. 2,450,806-7, Oct. 5.
- Chromium values from ores, Recovering. C. V. Foerster and A. T. Cape. 2,435,304, Feb. 3.
- Chuck. M. H. Arms and L. J. Barnard. 2,449,831, Sept. 21.
- Chuck. W. V. Bault. 2,450,931, Oct. 12.
- Chuck. M. L. Benjamin and F. E. Winnen. 2,436,848, Mar. 2.
- Chuck. C. Bockman and R. Luttich. 2,447,682, Aug. 24.
- Chuck. E. Bugatti. 2,457,030, Dec. 21.
- Chuck. J. E. I. Cairns and C. D. Docherty. 2,456,914, Dec. 21.
- Chuck. W. Coulson. 2,448,579, Sept. 7.
- Chuck. J. Eaton. 2,455,663, Dec. 7.
- Chuck. J. M. Peters. 2,453,262, Nov. 9.
- Chuck. J. H. Richardson. 2,444,531, July 6.
- Chuck. W. L. Stace. 2,442,668, June 1.
- Chuck adapter. M. Landow. 2,451,565, Oct. 19.
- Chuck and face-plate for grinding machines. F. and T. D. Kidd. 2,439,662, Apr. 13.
- Chuck, Automatic. E. Roy. 2,453,642, Nov. 9.
- Chuck, Crankshaft regrinding. F. P. Healy. 2,447,334, Aug. 17.
- Chuck, Collet. R. O. Edel and L. Sutton. 2,449,887, Sept. 21.
- Chuck, Collet. J. G. Schmidt. 2,454,098, Nov. 16.
- Chuck device, particularly for coal cutting machines. S. Baillie. 2,438,774, Mar. 30.
- Chuck, Diaphragm. G. and E. F. Hohwart. 2,450,800, Oct. 5.
- Chuck, Drill. J. Donahue. 2,436,881, Mar. 2.
- Chuck, Eccentric. R. E. Faust. 2,456,776, Dec. 21.
- Chuck for automatic machine tools. R. M. Gamble. 2,451,210, Oct. 12.
- Chuck for electric welding guns, Split. W. P. Yurgensen. 2,456,664, Dec. 21.
- Chuck for internal grinders. H. C. Lance and H. A. Hippen. 2,450,970, Oct. 12.
- Chuck, Grinding wheel. A. O. Bush. 2,450,230, Sept. 28.
- Chuck, Lathe. G. V. Rogers. 2,449,751, Sept. 21.
- Chuck, Lens. P. de V. d'Avaucourt. 2,441,472, May 11.
- Chuck, Magnetic. C. D. Briggs. 2,435,735, Feb. 10.
- Chuck, Multiple jaw. E. A. Glynn. 2,448,881, Sept. 7, 21.
- Chuck operating mechanism. F. W. Kelleher. 2,455,934, Dec. 14.
- Chuck or workholder. B. O. Richard. 2,448,738, Sept. 7.
- Chuck, Pneumatic. G. Chalicarne. 2,454,593, Nov. 23.
- Chuck, Precision leveling. E. Mikis. 2,447,711, Aug. 24.
- Chuck, Quick-action. G. S. Williamson. 2,443,526, June 15.
- Chuck, Self-locking paper roll. A. J. Carpenter, Jr. 2,446,690, Aug. 10.
- Chuck, Stock centering. A. E. Meunier. 2,445,147, July 13.
- Chuck, Tubular saw. R. N. Palmer. 2,454,522, Nov. 23.
- Chucking machine, Multiple spindle. A. J. Lewis. 2,438,508, Mar. 30.
- Churn. W. Rivers. 2,452,492, Oct. 26.
- Churn operating mechanism. E. M. Snow. 2,441,727, May 18.
- Churn support. A. H. Boileau. 2,449,446, Sept. 14.
- Chute, Arc. W. M. Scott, Jr. 2,443,521, June 15.
- Chute, Article dispensing. H. J. Smith. 2,442,025, May 25.
- Chute, Cattle-restraining. W. P. McDonough. 2,438,322, Mar. 23.
- Chute, Coaling. J. E. O'Brien. 2,453,253, Nov. 9.
- Chute for gun turrets, Srient ammunition. H. D. Huey and G. F. Townner. 2,445,853, July 27.
- Chute, Tilting. R. C. Keirsey. 2,446,769, Aug. 10.
- Chute, Wagon. R. Bauders. 2,439,961, Apr. 20.
- Cigar wrapper cutting and transfer mechanism. S. Clausen. 2,451,920, Oct. 19.
- Cigaret dispenser. J. J. Gerondale. 2,437,464, Mar. 9.
- Cigarette article. M. L. Folkman. 2,445,476, July 20.
- Cigarette case. W. A. Pence. 2,445,001, July 13.
- Cigarette case with reinforcing means, Flexible. J. A. Mace. 2,438,408, Mar. 23.
- Cigarette dispenser. C. C. Anderson. 2,445,201, July 13.
- Cigarette dispenser. F. V. Higgins. 2,435,782, Feb. 10.
- Cigarette dispenser. A. F. Mielke. 2,435,793, Feb. 10.
- Cigarette dispenser. M. Sarloff. 2,437,616, Mar. 9.
- Cigarette ejecting device. F. Roth. 2,448,914, Sept. 7.
- Cigarette extinguisher and ash tray. R. M. Maney. 2,453,026, Nov. 2.
- Cigarette holder. W. L. Jackson. 2,455,492, Dec. 7.
- Cigarette holder. R. D. Lynch. 2,448,105, Aug. 31.
- Cigarette holder and ash tray, Combined. D. J. Coffey. 2,453,304, Nov. 9.
- Cigarette machine. P. A. Rutherford. 2,437,615, Mar. 9.
- Cigarette or like dispensing case. W. D. Leatherman. 2,456,963, Dec. 21.
- Cigarette package case. D. Greene. 2,435,826, Feb. 10.
- Cigarette package holder. E. L. Beckwith. 2,440,164, Apr. 20.
- Cigarette rolling device. J. M. Morris. 2,436,015, Feb. 17.
- Cigarillo machine. J. F. Halstead. 2,443,453, June 15.
- Cinematographic apparatus. E. M. Olds, Jr. 2,453,031, Nov. 2.

- Cinematographic method and apparatus. F. W. Taylor. 2,448,691, Sept. 7.
- Cinematographic optical printer having a toothed register belt. G. F. Rackett. 2,444,786, July 6.
- Cinematographic rotatable prism projector. F. F. Ebenhaff. 2,441,013, May 4.
- Circuit: See—
- Amplifier and oscillator circuit. Modulator circuit.
- Antihunting motor control circuit. Modulator employing trigger circuit.
- Automatic gain control circuit. Monitoring circuit.
- Automatic tuning control circuit. Multiple discharge lamp circuit.
- Balanced modulator circuit. Multiple spark circuit.
- Balancing circuit. Oscillator control circuit.
- Bridge type modulator circuit. Oscilloscope circuit.
- Cathode controlled electronic voltage regulator circuit. Parallel neon bulb circuit.
- Cathode ray beam deflecting circuit. Peaking circuit.
- Cathode-ray oscillograph circuit. Phase responsive control circuit.
- Cathode-ray oscilloscope circuit. Phase shifting circuit.
- Cathode-ray tube control circuit. Phase synchronized pulsed trigger circuit.
- Cathode-ray tube scanning circuit. Progressive selecting circuit.
- Cavity resonator circuit. Protective circuit.
- Color analyzing circuit. Pulse-actuated circuit.
- Compensating circuit. Pulse controlled selector electrical bridge circuit.
- Condenser discharge control circuit. Pulse forming circuit.
- Control circuit. Pulse generation circuit.
- Counting circuit. Pulse keying circuit.
- Diode detector circuit. Pulse shaping circuit.
- Discharge lamp circuit. Radio noise rejector circuit.
- Electric circuit. Radio receiver noise reducing circuit.
- Electric control circuit. Radio receiver noise suppression circuit.
- Electric gaseous discharge lamp circuit. Radio signaling circuit.
- Electric pulse delay circuit. Rate taking circuit.
- Electrical ratio meter circuit. Receiver muting circuit.
- Electrical test circuit. Regulator circuit.
- Electromagnetic circuit. Resistance welding circuit.
- Electron beam focusing circuit. Ring circuit.
- Electronic amplifier control circuit. Root mean square voltage circuit.
- Electronic circuit. Rotary high-frequency switching circuit.
- Electronic control circuit. Selective signaling circuit.
- Electronic converter control circuit. Servomotor control circuit.
- Electronic device circuit. Space discharge voltage measuring circuit.
- Electronic locking circuit. Supervisory indicating circuit.
- Electronic squaring circuit. Sweep circuit.
- Electronic trigger circuit. Synchronized oscillator circuit.
- Facsimile recorder control circuit. Telephone circuit.
- Fluorescent lamp circuit. Temperature compensated regulation circuit.
- Frequency converter circuit. Temperature indicator control circuit.
- Frequency measuring circuit. Temperature regulated cooling circuit.
- Frequency modulation detector circuit. Thermostat controlled heater circuit.
- Gaseous discharge lamp circuit. Timing circuit.
- Generator circuit. Timing device for telegraph circuit.
- Grid-controlled rectifier circuit. Tuning indicator for indicating resonance of an electric circuit.
- High-frequency tuned amplifying circuit. Tone supply test circuit.
- Ignitron firing circuit. Unloading circuit.
- Low direct current regulating circuit. Vibrator circuit.
- Meter protection circuit. Voltage control circuit.
- Modified sweep circuit. Voltage magnitude discriminator circuit.
- Circuit and device for testing the same. Electrical detecting. H. C. Grant, Jr., and A. W. Uhl. 2,448,026, Aug. 31.
- Circuit and method, Ultra high frequency. W. W. Hansen and J. R. Woodyard. 2,452,566, Nov. 2.
- Circuit arrangement, Amplifying. G. J. Siezen. 2,452,499, Oct. 26.
- Circuit arrangement for amplifying or generating ultra high frequency oscillation. M. J. O. Strutt, A. van der Ziel, and A. J. W. M. van Overbeek. 2,439,638, Apr. 13.
- Circuit arrangement for automatic or semiautomatic telephone systems. Identification. L. A. B. Cabes. 2,454,770, Nov. 30.
- Circuit arrangement for mixing oscillations. E. C. Cork, M. Bowman-Manifold, F. H. Gale, and R. Blythen. 2,455,657, Dec. 7.
- Circuit arrangement for producing electrical pulses. P. K. Chatterjea and L. W. Houghton. 2,457,125, Dec. 28.
- Circuit arrangement for the amplification, frequency-transformation or production of ultra high frequency oscillations. M. J. O. Strutt and A. van der Ziel. 2,452,337, Oct. 26.
- Circuit arrangement for the modulation of electrical oscillations. J. Ensink. 2,456,494, Dec. 14.
- Circuit arrangement for ultra short waves. M. J. O. Strutt. 2,434,474, Jan. 13.
- Circuit arrangement utilizing a plurality of electron discharge devices. E. T. Burton. 2,434,259, Jan. 13.
- Circuit arrangement, Mixer. L. L. Libby. 2,454,817, Nov. 30.
- Circuit arrangement, Radio receiver. J. van der Heem. 2,452,340, Oct. 26.
- Circuit bearing element. J. W. Armbruster. 2,448,761, Sept. 7.
- Circuit breaker. F. Adam and F. S. Green. 2,435,114, Jan. 27.
- Circuit breaker. C. E. Bazley. 2,450,268, Sept. 28.
- Circuit breaker. W. L. Carlson. 2,435,128, Jan. 27.
- Circuit breaker. E. Eichenberger. 2,449,208, Sept. 14.
- Circuit breaker. G. D. Gamel and W. S. Hawkins. 2,445,426, July 20.
- Circuit breaker. G. G. Grissinger, T. Lindstrom, and J. Sandin. 2,435,305, Feb. 3.
- Circuit breaker. F. G. von Hoorn. 2,454,106, Nov. 16.
- Circuit breaker. O. S. Jennings. 2,447,652, Aug. 24.
- Circuit breaker. O. G. Killian and B. O. Austin. 2,449,486, Sept. 14.
- Circuit breaker. T. Lindstrom and A. H. Baylis. 2,451,962, Oct. 19.
- Circuit breaker. H. P. Luhn. 2,438,067, Mar. 16.
- Circuit breaker. J. B. MacNeill. 2,456,971, Dec. 21.
- Circuit breaker. G. A. Matthews. 2,443,260, June 15.
- Circuit breaker. E. S. Smith. 2,453,546, Nov. 9.
- Circuit breaker. A. Van Ryan. 2,443,695, Sept. 7.
- Circuit breaker. D. R. Wise. 2,443,090, June 8.
- Circuit breaker, Automatic reclosing. A. W. Edwards. 2,452,442, Oct. 26.
- Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., Nov. 23.
- Circuit breaker, Bimetallic. W. F. Emigh. 2,440,937, May 4.
- Circuit breaker, Cam operated. C. D. Lake and M. Fiehl. 2,447,806, Aug. 24.
- Circuit breaker, Centrifugal. E. W. Rickmeyer. 2,449,862, Sept. 21.
- Circuit breaker contact bar, Insulated reinforced. H. C. Graves, Jr. 2,439,084, Apr. 6.
- Circuit breaker control system. A. Haller. 2,441,412, May 11.
- Circuit breaker, Electric. T. W. Wilcox. 2,440,995, May 4.
- Circuit breaker, Fluid blast arc extinguishing. A. E. Brock. 2,452,221, Oct. 26.
- Circuit breaker, Fluid pressure operated. J. M. Cumming. 2,434,549, Jan. 13.
- Circuit breaker, Gas blast. G. Brühlmann. 2,441,943, May 18.
- Circuit breaker, Gas blast. E. Eichenberger. 2,451,669, Oct. 19.
- Circuit breaker, Gas blast. H. Thommen. 2,453,555, Nov. 9.
- Circuit breaker, Gas-blast electric. D. F. Amer. 2,454,586, and C. Schindler. 2,455,067, Nov. 30.
- Circuit breaker-hold-in mechanism. W. M. Scott, Jr. 2,449,013, Sept. 7.
- Circuit breaker, Latch-trip type. A. B. Rypinski. 2,448,470, Aug. 31.
- Circuit breaker, Liquid float. G. P. Hardin. 2,448,096, Aug. 31.
- Circuit breaker movable contact. W. M. Scott, Jr. 2,437,863, Mar. 16.
- Circuit breaker, Nonfree-tripping overload. A. W. Krieger. 2,453,235, Nov. 9.
- Circuit breaker operating means. R. R. Bush. 2,436,194, Feb. 17.
- Circuit breaker operating mechanism. A. C. Boisseau. 2,445,558, July 20.
- Circuit breaker, Plug type. V. H. Van Sant. 2,434,728, Jan. 20.
- Circuit-breaking switch. C. E. Berry. 2,443,338, June 15.
- Circuit breaker system, Combined electro-magnetic and thermal protective. H. M. Wilson. 2,434,186, Jan. 6.
- Circuit breaker, Thermal. B. E. Getchell. 2,455,753, Dec. 7.
- Circuit closer for knitting machines, Fabric contacting. M. Wachman. 2,448,639, Sept. 7.
- Circuit components, Manufacture of electric. P. Eisler. 2,441,960, May 25.
- Circuit connecting members, Manufacture of plural. M. R. Hanna. 2,455,864, Dec. 7.
- Circuit control and relay therefor, Electronic. H. H. Weichardt. 2,455,395, Dec. 7.
- Circuit control apparatus. C. E. Mosley. 2,444,745, July 6.
- Circuit control device. J. G. Juhasz. 2,438,609, Mar. 30.
- Circuit control for railway signals, Trap. E. M. Allen. 2,448,570, Sept. 7.
- Circuit control means for motor vehicles. E. E. Summersett. 2,449,338, Sept. 14.
- Circuit controlling apparatus. H. W. Hoffman and G. H. Helmer. 2,444,352, June 29.

- Circuit controlling switch. J. S. Garvin. 2,442,766, June 8.
- Circuit controller. G. V. Jefferson. 2,454,702, Nov. 23.
- Circuit controller, Shockproof electromagnetic. P. G. Edwards and H. W. Herrington. 2,455,049, Nov. 30.
- Circuit controllers. L. R. Douglas and E. W. Seeger. 2,436,102, Feb. 17.
- Circuit converter, Vibratory. H. J. Wise. 2,451,461, Oct. 19.
- Circuit, Electric space discharge. F. H. Kroger. 2,434,704, Jan. 20.
- Circuit embodying electron discharge devices of the velocity modulation type, Damping. C. S. Bull. 2,446,572, Aug. 10.
- Circuit for alternating-current bridges, Indicating. H. B. Conant. 2,454,776, Nov. 30.
- Circuit for cathode-ray oscilloscopes, Trace blanking. Y.-Y. A. Mao. 2,456,973, Dec. 21.
- Circuit for cathode-ray tubes, Sweep. M. E. Byrne. 2,449,549, Sept. 21.
- Circuit for effecting sequential operation of a plurality of positive displacement hydraulic motors of different sizes, Hydraulic. B. Welte. 2,446,397, Aug. 3.
- Circuit for electric discharge devices. V. J. Francis and E. H. Nelson. 2,456,870, Dec. 21.
- Circuit for electric discharge devices. T. Hehenkamp. 2,438,556, Mar. 30.
- Circuit for electric testing apparatus, Limiter. F. A. Meunier. 2,455,792, Dec. 7.
- Circuit for electromagnets, Electric. G. C. Armstrong. 2,441,984, May 25.
- Circuit for electromagnets, Electric. L. G. Tubbs. 2,457,011, Dec. 21.
- Circuit for gaseous discharge devices. P. W. Stutsman. 2,446,199, Aug. 3.
- Circuit for heat pumps, Deep well. M. M. Smith. 2,438,720, Mar. 30.
- Circuit for improving oscillator stability. O. E. Dow. 2,452,912, Nov. 2.
- Circuit for induction heating apparatus, High frequency oscillator. V. W. Sherman and C. M. Wheeler. 2,454,845, Nov. 30.
- Circuit for induction motors, Control. W. J. Krupick. 2,435,926, Feb. 10.
- Circuit for measuring the last half cycle voltage across a resistance weld. O. W. Livingston. 2,440,962, May 4.
- Circuit for measuring voltage of an alternating source. R. G. Pietz. 2,438,518, Mar. 30.
- Circuit for miniature lamps. C. E. Atkins. 2,447,304, Aug. 17.
- Circuit for obtaining pulsating current output as a function of direct-current input. E. Cartotto. 2,447,232, Aug. 17.
- Circuit for periodically generating oscillations. J. R. Moore. 2,448,543, Sept. 7.
- Circuits for producing electrical impulses at regular recurrence frequencies, Relaxation. J. M. Dodds and G. J. Scoles. 2,438,845, Mar. 30.
- Circuit for television receivers, Echo reducing. J. E. Smith. 2,448,635, Sept. 7.
- Circuit for transmitting high-frequency electric oscillations. M. J. O. Strutt and A. van der Ziel. 2,447,438, Aug. 17.
- Circuit for triggering stroboscopic devices, Electronic. C. M. Hathaway. 2,449,651, Sept. 21.
- Circuit grinding with two-stage classification, Closed. H. L. McNeill. 2,441,584, May 18.
- Circuit including a preenergizing circuit for the impulsing relay, Impulsing. C. E. Lomax. 2,448,608, Sept. 7.
- Circuit interrupter. B. P. Baker and D. C. Harker. 2,443,899, June 22.
- Circuit interrupter. W. E. Berkeley. 2,443,650, June 22.
- Circuit interrupter. J. M. Cumming. 2,456,926, Dec. 21.
- Circuit interrupter. R. C. Dickinson and R. E. Frink. 2,442,199, May 25.
- Circuit interrupter. W. M. Leeds. 2,445,529, July 20.
- Circuit interrupter. W. M. Leeds. 2,452,476-7, Oct. 26.
- Circuit interrupter. W. M. Leeds and B. P. Baker. 2,442,010, May 25.
- Circuit interrupter. W. M. Leeds and B. P. Baker. 2,447,949, Aug. 24.
- Circuit interrupter. W. M. Leeds and J. M. Cumming. 2,447,950, Aug. 24.
- Circuit interrupter. W. M. Leeds and R. E. Friedrich. 2,445,442, July 20.
- Circuit interrupter. D. J. Marsden. 2,434,422, Jan. 13.
- Circuit interrupter. J. C. Ponsingl. 2,435,322, Feb. 3.
- Circuit interrupter. H. L. Rawlins. 2,435,844, Feb. 10.
- Circuit interrupter. A. P. Strom. 2,439,952, Apr. 20.
- Circuit interrupter. A. P. Strom. 2,449,518, Sept. 14.
- Circuit interrupter. A. P. Strom and T. E. Browne, Jr. 2,447,674, Aug. 24.
- Circuit, Interrupting. J. M. Wallace. 2,449,867, Sept. 21.
- Circuit interrupter. J. M. Wallace, H. L. Rawlins, J. M. Cumming, and W. S. Aspey. 2,442,477, June 1.
- Circuit interrupter, Compressed gas. B. P. Baker and R. H. Leitzel. 2,447,627, Aug. 24.
- Circuit interrupter, Electric. R. M. Bennett. 2,442,190, May 25.
- Circuit interrupter, Electric. C. L. Stroup. 2,454,849, Nov. 30.
- Circuit interrupter, Fluid pressure operated. G. Lentjes. 2,454,189, Nov. 16.
- Circuit interrupter, High-voltage. R. H. Earle. 2,434,994, Jan. 27.
- Circuit interrupter, High-voltage. R. H. Earle. 2,435,533, Feb. 3.
- Circuit interrupter indicator. H. B. Adams. 2,448,166, Aug. 31.
- Circuit interrupting apparatus. W. E. Paul, J. W. Timmerman, Jr., and R. E. Bold. 2,452,953, Nov. 2.
- Circuit interrupting device. C. L. Schuck. 2,435,472, Feb. 3.
- Circuit maker and breaker. J. T. L. Brown. 2,450,499, Oct. 5.
- Circuit maker and breaker. A. M. Curtis. 2,434,909, Jan. 27.
- Circuit maker and breaker. C. E. Pollard, Jr. 2,445,406, July 20.
- Circuit making and breaking in response to power failure. M. E. Hiehle. 2,448,371, Aug. 31.
- Circuit protector. L. H. Lamont. 2,449,236, Sept. 14.
- Circuit tester, Electrical. E. A. Fugle. 2,445,667, July 20.
- Circuit with pulse output attenuating means, Electronic trigger. A. H. Dickinson. 2,456,818, Dec. 21.
- Circuits, Alternating current rate. G. E. White and M. Relson. 2,446,587, Aug. 10.
- Circuits, Cathode-ray beam deflecting. O. H. Schade. 2,440,786, May 4.
- Circuits containing nonlinear elements, Balancing of electrical bridge. M. M. Levy. 2,440,283, Apr. 27.
- Circuits, Crystal oscillator. C. W. Harrison. 2,444,349, June 29.
- Circuits, Crystal oscillator. D. E. Norgaard. 2,452,951, Nov. 2.
- Circuits, Differential detector. M. G. Crosby. 2,299,6, Apr. 27.
- Circuits, Electrical. J. R. Cooney. 2,456,050, Dec. 14.
- Circuits, Electrical discharge tube. A. P. Bock. 2,451,910, Oct. 19.
- Circuits, Electrical gauge. T. E. Browne, Jr. 2,434,547, Jan. 13.
- Circuits, Electron multiplier tube. M. H. Sweet. 2,457,747, Dec. 28.
- Circuits, Electronic cycling. R. H. Haungs. 2,442,238, May 25.
- Circuits, Electronic delay. D. E. Kenyon. 2,442,769, June 8.
- Circuits, Electronic switching. I. E. Grossdoff. 2,434,153, Jan. 6.
- Circuits for alternating-current motors, Control. W. O. Gates. 2,442,406, June 1.
- Circuits for electronic equipment, Protective. J. M. Stone. 2,454,618, Nov. 23.
- Circuits for highway crossing signals, Coded track. A. L. Jerome. 2,439,006, Apr. 6.
- Circuits for high impedance aerials, Coupled. C. W. Eggleton. 2,456,772, Dec. 21.
- Circuits for piezoelectric crystals, Testing. I. E. Fair. 2,448,581, Sept. 7.
- Circuits for repeating square shaped wave forms. W. F. Glover. 2,452,563, Nov. 2.
- Circuits for the control of radiation detectors. G. Herzog. 2,443,857, June 22.
- Circuits for tracer controlled machine tools. J. J. Jaeger. 2,435,280, Feb. 3.
- Circuits, Frequency changing. M. J. O. Strutt and A. Van Der Ziel. 2,441,452, May 11.
- Circuits, Frequency discriminating. T. A. O. Gross. 2,448,526, Sept. 7.
- Circuits, Frequency responsive. R. C. Sanders, Jr. 2,439,872, Apr. 20.
- Circuits, Gas tube controlled relay. W. J. O'Brien. 2,442,430, June 1.
- Circuits, Locked-in oscillator. M. S. Corrington. 2,440,653, Apr. 27.
- Circuits, Motor control. J. R. Wilkerson. 2,448,564, Sept. 7.
- Circuits, Noise reducing. C. W. Carnahan. 2,447,564, Aug. 24.
- Circuits, Protective means and system for load. J. Schmidinger and P. Sitzler. 2,441,979, May 25.
- Circuits, Pulse generating. H. W. Lord. 2,444,782, July 6.
- Circuits, Radio receiver. J. D. Holland and D. D. Robinson. 2,434,929, Jan. 27.
- Circuits, Resonant cavity. A. V. Haeff. 2,447,461, Aug. 17.
- Circuits, Thermionic valve. M. M. Levy. 2,434,939, Jan. 27.
- Circuits, Thermionic valve. M. M. Levy. 2,440,284, Apr. 27.
- Circuits, Timing. C. E. Smith. 2,436,872, Mar. 2.
- Circuits, Voltage regulating rectifying. G. C. Sziklai. 2,438,831, Mar. 30.
- Circuits, Voltage stabilizing. A. J. H. van der Ven. 2,457,615, Dec. 28.
- Circuits with battery charging or depolarizing means, Track. H. L. Black. 2,448,349, Aug. 31.
- Circular cutter. P. E. Rivest. 2,436,899, Mar. 2.
- Circular display rack. H. Meyer and E. M. Spiegel. 2,443,320, June 15.
- Circular electric lamp. A. Greiner and A. W. Seitz. 2,453,956, Nov. 16.
- Circular power saw, Manually guided two-wheeled portable. B. Kuykendall. 2,455,369, Dec. 7.
- Circulating gas heater. A. E. Moores. 2,454,195, Nov. 16.

- Circulating means for pistons and connecting rods, Oil. K. V. Anderson. 2,456,668, Dec. 21.
- Circulation control, Thermostatic air. H. A. Wheeler. 2,447,723, Aug. 24.
- Citrus waste feed products, Making. J. M. Kuder. 2,455,782, Dec. 7.
- Clamp: See—
- Adjustable clamp. Multiple pneumatic clamp.
 - Antiskid tire clamp. Multiple screw C clamp.
 - Battery terminal clamp. Outboard motor clamp.
 - Bellows clamp. Pipe clamp.
 - Boatbuilder's clamp. Pipe hold down clamp.
 - Box clamp. Pipe repair clamp.
 - Cable clamp. Plate clamp.
 - Carbon clamp. Plug and socket clamp.
 - Combination toggle and cam clamp. Portable adjustable hold-all clamp.
 - Cue tip clamp. Pressing machine tail clamp.
 - Dial test indicator clamp. Rack and gear operated column clamp.
 - Earring clamp. Rail flange clamp.
 - Film clamp. Railroad rail clamp.
 - Film sprocket clamp. Saw clamp.
 - Fish scaling clamp. Sheet metal clamp.
 - Form-securing clamp. Shoemaker's clamp.
 - Fuse clamp. Skate clamp.
 - Garment clamp. Surgical clamp.
 - Hair clamp. Tire repair clamp.
 - Hose clamp. Toggle clamp.
 - Hot clamp. Toggle link operated hand clamp.
 - Hot line jumper clamp. Tow bar clamp.
 - Hot wire clamp. Trolley line clamp.
 - Hydraulic internal line-up clamp. Tube clamp.
 - Line tap clamp. Two-part, screw-connected clamp.
 - Lithographic plate grain-machining clamp. Universal bumper clamp.
 - Machine with resilient work holding clamp. Window clamp.
 - Mercury leveling clamp.
- Clamp. G. Benett. 2,453,112, Nov. 9.
- Clamp. L. M. Crook. 2,438,541, Mar. 30.
- Clamp. A. A. Durant. 2,445,475, July 20.
- Clamp. H. D. Gursky. 2,445,396, July 20.
- Clamp. L. O. Habicht. 2,450,891, Oct. 12.
- Clamp. N. A. Karlin. 2,441,420, May 11.
- Clamp. J. W. King and J. J. McNamee. 2,439,364, Apr. 6.
- Clamp. A. B. Michalenko. 2,455,598, Dec. 7.
- Clamp. N. R. Schwartz. 2,455,444, Dec. 7.
- Clamp. B. A. L. B., R. W., and C. C. Tetzlaff. 2,452,806, Nov. 2.
- Clamp assembly. J. H. Booth. 2,451,062, Oct. 12.
- Clamp bracket. E. E. Bish. 2,454,857, Nov. 30.
- Clamp for attaching articles to the tops of automobiles. W. H. Hunt. 2,450,090, Sept. 28.
- Clamp for barrel pumps. W. Jackson. 2,440,372, Apr. 27.
- Clamp for bonding brake lining to brake shoes. S. G. Saunders. 2,455,341, Nov. 30.
- Clamp for curtain stretchers. W. H. Bothe. 2,448,574, Sept. 7.
- Clamp for electric fuses, etc. R. N. Rowe. 2,452,019, Oct. 19.
- Clamp for frame straightening machines. C. South. 2,451,307, Oct. 12.
- Clamp for frictionally held multiple surfaces, Unitary. P. L. Bush. 2,444,727, July 6.
- Clamp for lithographic plate graining machines, Multiple. M. G. Dunn. 2,457,453, Dec. 28.
- Clamp for master sheets of printing machines. L. H. Morse. 2,453,927, Nov. 16.
- Clamp for pipe joints, Repair. H. J. Liss. 2,440,864, May 4.
- Clamp for placing well casings. A. Trotter. 2,450,388, Sept. 28.
- Clamp for spherical joints. H. Krenz. 2,457,384, Dec. 28.
- Clamp structure, Saddle. O. L. Fluharty. 2,452,186, Oct. 26.
- Clamping apparatus. F. E. Wallin. 2,454,681, Nov. 23.
- Clamping device. F. W. Kuppersmith. 2,437,200, Mar. 2.
- Clamping device. A. A. MacDonald. 2,442,701, June 1.
- Clamping device. F. D. Vezzosi. 2,446,564, Aug. 10.
- Clamping device of the vise type. A. M. Sasgen. 2,450,303, Sept. 28.
- Clamping fixture, Fluid pressure engaged. N. M. Marsilius. 2,436,656, Feb. 24.
- Clamping fixture for work-benches, Adjustable. V. Spinner. 2,439,151, Apr. 6.
- Clamping holder for screws, bolts, and the like. W. E. Billman. 2,438,989, Apr. 6.
- Clamping machine parts to beds. D. W. Strom. 2,438,235, Mar. 23.
- Clamping means. C. L. Hardwick. 2,440,798, May 4.
- Clamping means, Die. J. Anon. 2,447,995, Aug. 24.
- Clamping means for ear ornaments and other articles of jewelry. A. H. Levesque. 2,447,350, Aug. 17.
- Clamping means for vises and the like, Multiple toggle. A. U. Peterson and A. J. Meyer. 2,454,744, Nov. 23.
- Clamping mechanism. R. L. McBride. 2,449,172, Sept. 14.
- Clamping shoeshine fixtures, Adjustable. J. G. Nevin. 2,440,871, May 4.
- Clamping tool. S. J. Leskiewicz. 2,446,773, Aug. 10.
- Clamping unit for surface gauges or the like. J. E. Hastings. 2,456,505, Dec. 14.
- Clamps for marginal bonding with high-frequency electric field, Electrode retaining. G. T. Hart. 2,450,956, Oct. 12.
- Clarification apparatus, Electrolytic. L. D. Smiley and E. S. Lansing. 2,456,897, Dec. 21.
- Clarification of fermented liquors. R. T. K. Cornwell and D. S. Porter. 2,437,939, Mar. 16.
- Clarifier for lubricating coolants by froth flotation. R. B. Booth and N. Morash. 2,436,375, Feb. 24.
- Clarifier, Liquid. J. P. North. 2,450,522, Oct. 5.
- Clasp. E. J. Bell. 2,435,174, Jan. 27.
- Clasp. S. and I. Darvie, and S. Pearlman. 2,455,236, Nov. 30.
- Clasp. R. L. Rank. 2,446,389, Aug. 3.
- Clasp. I. Rowen. 2,456,596, Dec. 14.
- Clasp, Chain. W. Nelson. 2,447,422, Aug. 17.
- Clasp, Collar. T. Thoreson. 2,448,845, Sept. 7.
- Clasp, Collar holding. L. M. Kahn. 2,446,012, July 27.
- Clasp, Dental. G. M. Holden. 2,440,443, Apr. 27.
- Clasp for bands such as bracelets, Extension. G. A. Gotti, A. Killian, and N. Volpicelli. 2,455,302, Nov. 30.
- Clasp for wrist-watch bracelets and other linkages. L. E. Valcourt. 2,446,068, July 27.
- Clasp having safety locking means, Rotatable-joint. M. Hattan. 2,455,929, Dec. 14.
- Clasp, Pull. C. P. Schlegel. 2,438,651, Mar. 30.
- Clasp, Strap-end attaching. A. Blumstein. 2,455,465, Dec. 7.
- Classifier for solids, Disintegrator and vortical. H. G. and W. H. Lykken. 2,448,038, Aug. 31.
- Claw, Pickup. J. H. Kroll. 2,449,487, Sept. 14.
- Clay catalyst and preparation thereof, Promoted acid treated. W. W. Gary. 2,440,743, May 4.
- Clay suspensions, Production of. G. K. Dickerman. 2,440,601, Apr. 27.
- Cleaner: See—
- Air cleaner. Reverse flow cleaner.
 - Block cleaner. Shoe cleaner.
 - Cotton cleaner. Suction cleaner.
 - Dip stick cleaner. Tank type suction cleaner.
 - Drill pipe cleaner. Vacuum cleaner.
 - Egg cleaner. Venetian blind cleaner.
 - Pipe cleaner. Window cleaner.
 - Portable self-contained drum cleaner. Windshield cleaner.
- Cleaner and holder, Denture. R. Morse. 2,443,988, June 22.
- Cleaner and humidifier for carbureters. A. Gazda. 2,440,580, Apr. 27.
- Cleaner and washer, Perforation. L. H. Cassell. 2,433,828, Jan. 6.
- Cleaner, drier, and grainery, Combined. B. V. Rains. 2,440,524, Apr. 27.
- Cleaner for sand filters, Pneumatic. C. E. Fraser. 2,442,594, June 1.
- Cleaner with wiper feeder, Window. E. Simor. 2,443,277, June 15.
- Cleaning and buffing machine, Air-bag. J. E. Johnson. 2,449,387, Sept. 14.
- Cleaning and centrifuging apparatus. H. E. Edwards. 2,447,848, Aug. 24.
- Cleaning and electroplating process. J. T. Clenny. 2,442,195, May 25.
- Cleaning and polishing composition. H. G. Smith, M. L. Hill and T. L. Cantrell. 2,442,024, May 25.
- Cleaning apparatus, cotton. E. H. Brooks, assignor to Continental Gin Company. Re. 23,044, Oct. 19.
- Cleaning apparatus having rotary conveyor and recirculating liquid system. E. R. Zademach. 2,443,091, June 8.
- Cleaning apparatus, Lint. A. S. McGinnis and H. Berry. 2,439,179, Apr. 6.
- Cleaning attachment, Rake. L. Jarosh. 2,447,579, Aug. 23.
- Cleaning composition, Metal. H. G. Webster. 2,440,837, May 4.
- Cleaning device, Brush. A. O. Olsen. 2,449,818, Sept. 21.
- Cleaning device, Drain trap. W. C. Gangloff. 2,452,367, Oct. 26.
- Cleaning device, Egg. E. C. and D. L. Crumbling. 2,444,093, June 29.
- Cleaning device for battery brooders, Automatic. H. O. Petraske. 2,448,120, Aug. 31.
- Cleaning device for conduits. W. H. Peaden. 2,454,884, Nov. 30.
- Cleaning device, Sponge. F. L. Dalton. 2,449,281, Sept. 14.
- Cleaning device, Teeth. A. L. Dobbins. 2,444,638, July 6.
- Cleaning machine, Egg. E. W. Shock. 2,457,324, Dec. 28.
- Cleaning machine, Floor. J. W. Gardner. 2,452,744, Nov. 2.
- Cleaning machine, Pipe. J. D. Cummings and M. P. Laurent. 2,436,099, Feb. 17.
- Cleaning machine, Spaceband. S. Sofnas. 2,439,911, Apr. 20.
- Cleaning machine, Surface. O. T. Bloom. 2,439,334, Apr. 6.
- Cleaning means, Electrical. E. H. R. Pegg. 2,448,045, Aug. 31.
- Cleaning of metals. N. L. Evans. 2,442,802, June 8.
- Cleaning oil wells and equipment, Method and materials for. P. B. Roberts. 2,438,682, Mar. 30.
- Cleanout apparatus for drill steel. C. J. and F. S. Brown. 2,445,659, July 20.
- Cleanout closure, Removable. W. H. Attschuler. 2,440,766, May 4.

- Cleanout Y. W. C. and J. R. Turpin. 2,457,418, Dec. 28.
 Cleansing and fluid extracting apparatus having a flexible clothes squeezing diaphragm. Clothes. T. P. Calhoun. 2,455,043, Nov. 30.
 Cleansing and scouring pad and method. L. H. Englund. 2,447,241, Aug. 17.
 Cleat chain. R. W. Turk. 2,441,733, May 18.
 Cleat, Detachable shoe. M. A. Robinson. 2,445,926, July 27.
 Cleat, Wire. G. F. Dunkelberger and C. A. Schehl. 2,438,362, Mar. 23.
 Cleaving the —S—S— group in dialkyl disulfides. F. K. Signaigo. 2,454,099, Nov. 16.
 Click mechanism for precise control of a tuner. C. L. Richards. 2,442,935, June 8.
 Clenching bail ears to can body blanks and apparatus therefor. J. Henchert. 2,456,506, Dec. 14.
 Clinical mask for breathing and rebreathing mixtures of gases. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace, II. 2,452,722, Nov. 2.
 Clinograph, Signalling. F. M. and J. A. Varney. 2,435,934, Feb. 10.
 Clinometer. W. E. Austen. 2,449,870, Sept. 21.
 Clip: See—
 Collar clip. Locking clip.
 Contact clip. Money clip.
 Electrical clip. Paper clip.
 Electrical test clip. Poultry blinder clip.
 Fastener clip. Rod clip.
 Film holding clip. Safety clip.
 Floor clip. Tenter machine clip.
 Hair clip. Tobacco clip.
 Inductance clip. Visor document clip.
 Clip and bracket, Multiple. E. S. Goddard. 2,440,469, Apr. 27.
 Clip and holder for same, Umbilical. J. Brandenburg. 2,434,831, Jan. 20.
 Clip and pin chain link for fabric stretching machines, Combined. P. Deck. 2,446,131, July 27.
 Clip assembly, End. E. P. Lacure. 2,446,704, Aug. 10.
 Clip construction for billfolds, Reinforcement and spring. S. Miller. 2,455,515, Dec. 7.
 Clip for attaching decorations and medals. F. G. Lutz and C. P. O'Rourke. 2,457,184, Dec. 28.
 Clip for coiling wire. D. H. King. 2,455,683, Dec. 7.
 Clip for electrical conductors, Terminal. S. N. Buchanan and O. J. Breen. 2,451,800, Oct. 19.
 Clip for forming neckties. H. W. Morden. 2,438,295, Mar. 23.
 Clip for holding lapped panes of glass. A. A. Zachman. 2,442,632, June 1.
 Clips, Terminal. C. J. Fot. 2,438,850, Mar. 30.
 Clock. G. J. Cunningham. 2,437,459, Mar. 9.
 Clock. A. N. Woodruff. 2,450,264, Sept. 28.
 Clock-controlled switch. T. Svoboda. 2,436,906, Mar. 2.
 Clock, Self-taught educational. I. C. Madden. 2,443,468, June 15.
 Clock, Three-dimensional time indicator. G. Willens. 2,444,392, June 29.
 Clock with visible and audible alarm means. A. J. Parissi. 2,444,748, July 6.
 Clockwork-operated time fuse. F. Delay. 2,446,745, Aug. 10.
 Closer, Door. C. S. Aspenwall. 2,442,450, June 1.
 Closet, Glass-lined metal shelf wall. A. Marchand. 2,439,664, Apr. 13.
 Closing cartons, Method and apparatus for. J. C. Lang. 2,435,398, Feb. 3.
 Closing machine, Can. R. E. J. Nordquist. 2,447,524-5, Aug. 24.
 Closing tube ends by dipping in molten solder. L. Pessel. 2,457,599, Dec. 28.
 Closure. R. W. Barton. 2,455,645, Dec. 7.
 Closure. J. G. Brink. 2,437,934, Mar. 16.
 Closure. G. G. Cooke. 2,444,978, July 13.
 Closure. K. C. Edwards and D. D. Jones. 2,438,003, Mar. 16.
 Closure. W. D. Elsas, P. Lowengardt, and A. Scheffel. 2,438,906, Apr. 6.
 Closure. J. R. Hoge. 2,441,918, May 18.
 Closure. N. M. Nessel. 2,442,983, June 8.
 Closure. J. P. Sapp. 2,454,214, Nov. 16.
 Closure and container. J. W. Thomas. 2,445,647, July 20.
 Closure and receptacle for gas ranges, Combined. H. M. Reeves. 2,446,391, Aug. 3.
 Closure assembly. S. Witte. 2,451,599, Oct. 19.
 Closure attachment for cigarette packages. V. A. Bowers. 2,445,510, July 20.
 Closure cap. A. B. McGinnis. 2,440,149, Apr. 20.
 Closure, Container. J. Robinson. 2,445,802, July 27.
 Closure, Container. J. Robinson. 2,447,535-6, Aug. 24.
 Closure, Container. S. Shaffer. 2,449,014, Sept. 7.
 Closure, Container. R. C. Shipley. 2,436,531, Feb. 24.
 Closure control. C. A. Olson. 2,447,271, Aug. 17.
 Closure. Counterbalanced pivoted. II. W. Walden.
 Closure device and making same. I. L. Lesavoy. 2,436,312, Feb. 17.
 Closure device for crystal converters. W. L. Nelson. 2,456,305, Dec. 14.
 Closure device, Removable bottle. A. W. Anderberg. 2,433,972, Jan. 6.
 Closure, Dispensing. H. N. Perelson. 2,439,985, Apr. 20.
 Closure, Dry cell. M. D. Koppelman. 2,434,703, Jan. 20.
 Closure fastener. A. T. Fisher. 2,444,501, July 6.
 Closure fastener. J. J. Xenakis. 2,444,716, July 6.
 Closure, Fly. W. R. Spearrin. 2,434,233, Jan. 6.
 Closure for an inflatable structure. G. D. Mallory. 2,448,677, Sept. 7.
 Closure for coke ovens, Self-sealing leveller-door. L. Wilputte. 2,442,391, June 1.
 Closure for collapsible tubes. M. C. Wilson. 2,448,163, Aug. 31.
 Closure for collapsible tubes with parallel guide flanges, Reciprocating. P. D. Malyszko. 2,434,706, Jan. 20.
 Closure for containers. F. W. Sohnlein. 2,448,838, Sept. 7.
 Closure for containers, Self-sealing. L. H. Daniel. 2,436,291, Feb. 17.
 Closure for cylindrical openings. C. W. Simonsen. 2,442,964, June 8.
 Closure for dishwashing machines, Multiple. L. A. Loeb. 2,450,670, Oct. 5.
 Closure for fountain pens and the like. E. S. Schultz and C. D. Morton. 2,438,231, Mar. 23.
 Closure for headnets. A. H. Tessier. 2,434,873, Jan. 20.
 Closure for high-pressure vessels. D. P. Meigs. 2,438,513, Mar. 30.
 Closure for hoppers and the like. A. M. Buehler. 2,435,670, Feb. 10.
 Closure for nonrefillable bottles or other containers. O. A. Soto. 2,436,081, Feb. 17.
 Closure, Insulated container. J. L. Hemp. 2,445,325, July 20.
 Closure lock. T. J. Welborn. 2,455,844, Dec. 7.
 Closure means for containers. V. E. Ramsey. 2,450,811, Oct. 5.
 Closure means for laundry bags. F. A. Howard. 2,442,044, May 25.
 Closure mechanism. O. O. Velie. 2,447,042, Aug. 17.
 Closure, Milk bottle. F. M. Alexander. 2,442,745, June 8.
 Closure, Nonrefillable bottle. H. W. Hagen. 2,451,336, Oct. 12.
 Closure plug for container. E. M. Amesbury, T. W. Franks, and J. Jesevich, Jr. 2,445,465, July 20.
 Closure, Receptacle. R. M. Ross. 2,456,448, Dec. 14.
 Closures for gusseted paper bags, Sealing of. C. H. Hartman. 2,451,165, Oct. 12.
 Closures for paper containers, Forming metal. G. F. Jackson. 2,455,063, Nov. 30.
 Closures for tubular containers, End. B. Bogoslawsky. 2,444,722, July 6.
 Cloth, Bath. E. Hickman. 2,439,249, Apr. 6.
 Cloth bolt display rack. E. P. Bixer. 2,450,180, Sept. 28.
 Cloth-cutting machine. W. Bangser. 2,444,909, July 13.
 Cloth finishing. G. A. Schreiner. 2,450,022, Sept. 28.
 Cloth laying-up machine. H. W. Gilbert and W. Deichmann. 2,442,352, June 1.
 Cloth take-up mechanism for looms. J. M. Tuten. 2,437,367, Mar. 9.
 Clothesbasket. J. Eggl. 2,442,998, June 8.
 Clothes drier. E. Hade. 2,451,674, Oct. 19.
 Clothes drier. M. L. Pugh. 2,451,692, Oct. 19.
 Clothes drier. M. L. Pugh. 2,453,859, Nov. 16.
 Clothes form. O. L. Simonsen. 2,445,458, July 20.
 Clothes hanger. M. Lowe. 2,440,636-7, Apr. 27.
 Clothesline. E. C. Hansen. 2,448,310, Aug. 31.
 Clothesline apparatus. C. S. West. 2,455,203, Nov. 30.
 Clothesline device. S. Kronhaus. 2,452,246, Oct. 26.
 Clothesline holder. A. J. Meronk. 2,444,841, July 6.
 Clothesline holder. J. Waldheim. 2,456,658, Dec. 21.
 Clothesline prop, Adjustable. J. E. Swalinkavich, Jr., and J. T. Donovan. 2,455,448, Dec. 7.
 Clothesline reel. S. J. Duhaime and C. V. Butler. 2,456,115, Dec. 14.
 Clothesline reel. W. J. Thrower. 2,438,188, Mar. 23.
 Clothesline stretching device. R. C. Lewis. 2,436,477, Feb. 24.
 Clothesline structure. M. E. Seymour. 2,455,446, Dec. 7.
 Clothesline support. F. J. Hendr. 2,449,379, Sept. 14.
 Clothesline support. N. L. Petersen. 2,444,879, July 6.
 Clothespin. J. F. Bergantino. 2,457,026, Dec. 21.
 Clothespin. L. W. Stinne. 2,454,723, Nov. 21.
 Clothespin dispenser. K. V. Bell. 2,437,498, Mar. 9.
 Clothespin, Wire. B. O. Schmidt. 2,457,736, Dec. 28.
 Clothes pole and cap therefor. F. J. Hyde. 2,449,778, Sept. 21.
 Clothes rack. H. J. Criner. 2,448,253, Aug. 31.
 Clothes rack for automobiles, Folding. P. F. Hoots. 2,447,908, Aug. 24.
 Clothes-washing machine. J. H. Leaf. 2,434,570, Jan. 13.
 Clothes-washing machine having reciprocating clothes receptacle with restricted passageway. A. D. Lund. 2,439,215, Apr. 6.
 Clothing, Protective. H. C. Bazett and P. A. Siple. 2,433,834, Jan. 6.
 Clutch: See—
 Automatic clutch. Axially engaging positive clutch.
 Automatic manually controlled clutch. Bobbin clutch.
 Axially engaging friction clutch. Cam actuated clutch.
 Axially engaged speed responsive clutch. Centrifugally operated, expanding shoe type, automatic clutch.
 Axially engaging friction clutch. Engine starter clutch.
 Friction clutch. Fluid operated clutch.
 Friction clutch.

Clutch: See—Continued.

- Hydraulic clutch. Multiple clutch.
Impact clutch. Overload release clutch.
Latch operated clutch. Overrunning clutch.
Magnetic clutch. Safety clutch.
Mercury clutch. Speed responsive clutch.
- Clutch. R. T. Coffey. 2,457,210, Dec. 28.
Clutch. P. A. Noxon. 2,437,207, Mar. 2.
Clutch. C. W. Sadler. 2,435,368, Feb. 3.
Clutch. W. G. Wehr. 2,436,625, Feb. 24.
Clutch actuating mechanism. K. Miller. 2,436,817, Mar. 2.
Clutch actuating mechanism. W. V. Thelander. 2,442,787, June 8.
Clutch and brake, Combined. W. F. Longfield. 2,436,968, Mar. 2.
Clutch and brake, Combined. W. F. Longfield. 2,441,543, May 11.
Clutch and brake, Combined. M. N. Yardeny and L. Kardorff. 2,455,900, Dec. 7.
Clutch and brake construction, Magnetically actuated. W. P. Lear. 2,438,223, Mar. 23.
Clutch and brake control. L. E. Simmons. 2,440,304, Apr. 27.
Clutch and brake device. G. E. Moore. 2,453,581, Nov. 9.
Clutch and brake device for a two-speed axle construction. R. C. Russell. 2,438,620, Mar. 30.
Clutch and brake mechanism. W. M. Gilman. 2,449,893, Sept. 21.
Clutch and brake mechanism. G. E. Jones. 2,439,134, Apr. 6.
Clutch and brake pedal for automobiles and the like. Companion. R. V. Trine. 2,451,700, Oct. 19.
Clutch and detent mechanism on indicator drive, Friction. T. C. Rieve. 2,434,369, Jan. 13.
Clutch and power supply control system. E. J. Panish. 2,444,364, June 29.
Clutch and torque responsive friction coupling, Combination positive. E. W. Daum. 2,446,363, Aug. 3.
Clutch and variable-speed drive, Hydraulic. C. H. and H. A. Myers. 2,451,688, Oct. 19.
Clutch construction with synchronizing clutches for change-speed transmission, Multiple. H. E. Carnagua and C. L. Swift. 2,443,597, June 22.
Clutch control device. J. L. Clarkson. 2,435,673, Feb. 10.
Clutch control for duplicating machines. F. W. Storck. 2,442,574, June 1.
Clutch device. M. Gravina and M. Hawadier. 2,447,007, Aug. 17.
Clutch for controlling shifting of gear ratios of transmissions, Torque responsive. C. H. Richards. 2,444,530, July 6.
Clutch for spinning buckets. E. T. Birsch. 2,443,593, June 22.
Clutch mechanism. J. J. Bloomfield. 2,448,763, Sept. 7.
Clutch mechanism. J. J. Dugas. 2,438,157, Mar. 23.
Clutch mechanism, Latch operated positive. A. B. Machado. 2,436,112, Feb. 17.
Clutch mechanism, Multiple. D. S. Dence. 2,447,058, Aug. 17.
Clutch operating mechanism. W. B. Barnes. 2,450,391, Sept. 28.
Clutch operating mechanism. E. G. Halby. 2,437,737, Mar. 16.
Clutch plate. D. Kelleher. 2,437,537, Mar. 9.
Clutch plate, Friction. D. E. Gamble. 2,448,879, Sept. 7.
Clutch plate, Friction. D. E. Gamble. 2,448,880, Sept. 7.
Clutch regulation of fan and pump for cooling systems, Speed. H. R. Greenlee. 2,452,650, Nov. 2.
Clutch with multiple disks, Friction. M. de Borniol de Fourchambault. 2,447,319, Aug. 17.
Clutches and brakes, Assembly for. T. L. Fawick. 2,439,849, Apr. 20.
Clutches, Producing face. E. Wildhaber. 2,443,089, June 8.
Coach or bus seat. H. C. Richardson. 2,450,093, Sept. 28.
Coagulation of emulsion polymerizates. W. W. Waterman and E. O. Ohsol. 2,455,714, Dec. 7.
Coagulation of neoprene latex. D. G. Slovin. 2,456,539, Dec. 14.
Coal cutting bit and holder therefor. F. L. Fulke. 2,449,288, Sept. 14.
Coal tar containing a small amount of ammonium chloride, Treating. W. Tiddy. 2,440,311, Apr. 27.
Coaling apparatus, Locomotive. J. E. O'Brien. 2,456,308, Dec. 14.
Coaster brake. M. Klein. 2,457,241, Dec. 28.
Coat. C. H. Masland. 2d. 2,448,449, Aug. 31.
Coat. J. V. Falcon. 2,443,447, June 15.
Coat. L. S. Guckert. 2,453,989, Nov. 16.
Coat construction. J. Giuseffi. 2,434,997, Jan. 27.
Coat foundation. N. Sachetti. 2,446,959, Aug. 10.
Coat. Sportsman's. C. H. Durrow. 2,437,223, Mar. 2.
Coated articles during drying, Handling. M. D. Swartz and K. N. Yellott. 2,438,135, Mar. 23.
Coated articles, Luminescent. H. Burrell and C. J. Vander Valk. 2,441,559, May 18.
Coated edibles, Chocolate. H. R. Burbank and B. J. Zenlea. 2,457,110, Dec. 28.
Coated fabric. R. R. Lawrence. 2,441,542, May 11.
Coated ferrous metal surfaces and producing same, Protectively. V. C. J. Nightingall. 2,440,969, May 4.
Coated methyl methacrylate polymer and making same. M. F. Bechtold. 2,440,711, May 4.
Coated welding rod. H. Beinfait and P. C. V. der Willigen. 2,451,655, Oct. 19.
Coated welding rod. J. D. Fast. 2,436,884, Mar. 2.
Coating and impregnating composition. L. J. Jubanowsky. 2,447,506, Aug. 24.
Coating apparatus and method, Electrostatic. E. H. R. Pegg. 2,447,664, Aug. 24.
Coating apparatus, Confectionery. J. G. Herrmann. 2,450,661, Oct. 5.
Coating apparatus for tubular objects. R. L. Keiffer. 2,449,655, Sept. 21.
Coating by evaporating metals. W. H. Colbert and A. R. Weinrich. 2,450,850-7, Oct. 5.
Coating by thermal evaporation, Method and apparatus for. R. P. Mattern. 2,453,801, Nov. 16.
Coating cathode-ray tube screens. R. B. Windsor. 2,441,217, May 11.
Coating comestibles, Method and apparatus for. G. C. Monaco. 2,439,899, Apr. 20.
Coating composition. J. F. Socolofsky and H. G. Berger. 2,441,105, May 4.
Coating composition comprising a drying oil, a resin, and an acyclic terpene solvent. A. L. Rummelsburg. 2,445,637, July 20.
Coating composition comprising a polychloroprene and a stripping agent, Strippable. C. G. Murphy and J. P. Sermattei. 2,455,855, Dec. 7.
Coating composition comprising a polychloroprene and aluminum powder, Strippable. G. E. Condé. 2,455,854, Dec. 7.
Coating composition comprising a polychloroprene and carbon black, Strippable. C. G. Murphy and J. P. Sermattei. 2,455,856, Dec. 7.
Coating composition comprising a vinyl halide resin and a hydroxy polycarboxylic acid. C. L. Shapiro. 2,439,677, Apr. 13.
Coating composition, containing polyethylene, terpene resin, chlorinated diphenyl resin, and paraffin, Hot melt. W. C. Steinkraus. 2,453,644, Nov. 9.
Coating composition, Fire-resistant. M. Leatherman. 2,439,395-6, Apr. 13.
Coating composition for paper, Water-soluble. L. R. B. Hervey and A. C. Whitaker. 2,449,812, Sept. 21.
Coating composition, Heat-resistant. H. D. Cogan and N. H. Ketcham. 2,450,327, Sept. 28.
Coating composition, Hot-melt. A. E. Young and K. D. Bacon. 2,451,792, Oct. 19.
Coating composition of fatty drying oils reacted with fatty acid modified polyhydric alcohol esters of cyclopentadiene maleic adduct. W. H. Butler. 2,452,992, Nov. 2.
Coating composition, Pigmented emulsion type. J. W. Iliff and M. Torrey. 2,440,953, May 4.
Coating composition, Thermoplastic. L. J. Gold. 2,451,212, Oct. 12.
Coating compositions. W. C. Mast. 2,456,295, Dec. 14.
Coating compositions and making, Insulating. J. T. Acker. 2,457,515, Dec. 28.
Coating device. E. K. Bauer. 2,442,335, June 1.
Coating ferrous metal articles with corrosion-resistant plastic. E. T. Clayton. 2,436,420, Feb. 24.
Coating for metal surfaces, Corrosion resistant. G. W. Jernstedt. 2,456,947, Dec. 21.
Coating for use in manureing, Protective. E. Hauser and P. Kovol. 2,449,070, Sept. 14.
Coating for welding rods, Flux. W. Goerg. 2,456,121, Dec. 14.
Coating machine. H. W. Faerber. 2,456,495, Dec. 14.
Coating machine. F. W. Love and C. E. McCormick. 2,455,428, Dec. 7.
Coating masses of small copper-bearing aluminum articles. W. F. Speer. 2,437,620, Mar. 9.
Coating materials, applying. J. S. Smyser. 2,447,374, Aug. 17.
Coating metal articles. J. L. T. Kosterlitzky. 2,434,855, Jan. 20.
Coating method and apparatus, Mold. T. J. Arbron. 2,456,853, Dec. 21.
Coating of silver on iron or steel, Direct. A. D. Siatkin. 2,449,726, Sept. 21.
Coating polyvinyl alcohol film. W. J. Jebens. 2,436,433, Feb. 24.
Coating process, Aluminum. M. G. Whitfield and V. Sheshunoff. 2,453,772, Nov. 16.
Coating with polyvinyl alcohol. H. C. Staehle. 2,439,108, Apr. 6.
Coating with tungsten carbide. H. S. Hatfield. 2,435,273, Feb. 3.
Coatings, Enteric. C. J. Malm and G. D. Hiatt. 2,455,790, Dec. 7.
Coatings on magnesium powder, Producing protective. D. Hart and H. J. Eppig. 2,454,799, Nov. 30.
Coatings on permanent magnets, Thick protective. P. P. Cioffi. 2,442,638, June 1.
Coatings to molded or cast articles, Applying. W. P. Carr. 2,454,910, Nov. 30.
Coaxial cable. L. H. Morin. 2,438,347, Mar. 23.
Coaxial cable. L. H. Morin. 2,452,948, Nov. 2.
Coaxial cable. G. C. Sziklai. 2,442,623, June 1.
Coaxial line connector. J. D. Johannessen. 2,449,073, Sept. 14.
Coaxial line coupling. G. C. Devol. 2,449,983, Sept. 28.

- Coaxial optical system for displacement gauges. J. H. Long and W. Lupish. 2,437,608, Mar. 9.
- Coaxial switch. T. A. Newkirk. 2,435,978, Feb. 17.
- Coaxial transmission line. P. D. Zottu. 2,445,380, July 20.
- Cock, Drain. G. H. Hufford and N. C. Berli. 2,453,792, Nov. 16.
- Cock, Gas. W. S. Kincaid. 2,457,779, Dec. 28.
- Cock, Stall. E. Rawson. 2,451,456, Oct. 12.
- Cocoa-sugar composition. L. Lang. 2,452,770, Nov. 2.
- Code call system. O. Blyholder. 2,442,947, June 8.
- Code entry controlling means for accumulators, Combination. H. S. Beattie. 2,439,445, Apr. 13.
- Coder for code modulation transmission. A. C. Norwine. 2,453,454, Nov. 9.
- Coding apparatus. L. E. Wood. 2,452,090, Oct. 26.
- Coffee brewing apparatus. R. E. Ballerino and R. F. Ashdown. 2,436,784, Mar. 2.
- Coffee cakes, Production of. Le C. Stiles. 2,434,339, Jan. 13.
- Coffee concentrate and producing it. A. A. Epstein. 2,457,036, Dec. 21.
- Coffee concentrate, Forming a. W. A. Heyman. 2,454,510, Nov. 23.
- Coffee filter. D. E. Van Denberg. 2,446,499, Aug. 3.
- Coffee maker. E. C. Sullivan. 2,445,591, July 20.
- Coffee maker, Safety valve. L. W. Vezie. 2,452,881, Nov. 2.
- Coffee-making apparatus. C. Evensen. 2,447,692, Aug. 24.
- Coffee, Treating. A. L. Armentrout. 2,444,217, June 29.
- Coiffure for dolls. B. B. Petschauer. 2,449,248, Sept. 14.
- Coil. N. Sterenbuch and M. Saffer. 2,439,827, Apr. 20.
- Coil and core arrangement. H. E. Somes. 2,444,475, July 6.
- Coil and yoke for cathode ray tubes, Deflection. R. B. Gethmann. 2,437,513, Mar. 9.
- Coil and mounting therefor. A. J. Ruscito. 2,447,366, Aug. 17.
- Coil cables having reversibly coiled portions, Production of vulcanizable elastic. R. D. Collins and W. J. Drigot. 2,452,431, Oct. 26.
- Coil cables with a longitudinal end, Method and apparatus for making elastic. R. D. Collins. 2,452,433, Oct. 26.
- Coil, Deflecting. M. Cawein. 2,457,773, Dec. 28.
- Coil for variometers, Spherical. E. E. Combs. 2,441,564, May 18.
- Coil former. R. B. James. 2,451,222, Oct. 12.
- Coil mounting. R. T. Thompson. 2,445,979, July 27.
- Coil, Radio frequency choke. T. A. Newkirk. 2,442,776, June 8.
- Coil, Refrigeration. J. J. Booth. 2,442,719, June 1.
- Coil structures with longitudinal ends, Apparatus for making elastic. W. J. Crehan and R. J. Arnold. 2,452,434, Oct. 26.
- Coil structures with uncoiled ends, Making elastic. R. D. Collins. 2,452,432, Oct. 26.
- Coil support and spacer, Combination. L. C. Whitman. 2,449,434, Sept. 14.
- Coil-supporting structure. O. I. Price. 2,453,725, Nov. 16.
- Coil suspension for cathode ray tubes, Focus. D. Jackson. 2,440,403, Apr. 27.
- Coil tester, Electrical. A. G. Brown. 2,450,577, Oct. 5.
- Coil, Waterproof electrical. C. H. Braithwaite, Jr. 2,447,631, Aug. 24.
- Coil-winding apparatus. C. L. Schaefer and N. H. Swanson. 2,434,591, Jan. 13.
- Coil-winding machine. H. A. Hilsinger, Jr. 2,453,749, Nov. 16.
- Coiled tungsten filaments, Treating. J. A. M. van Liempt. 2,439,913, Apr. 20.
- Coiling and winding apparatus, Strand. D. E. Hennessy. 2,451,731, Oct. 19.
- Coiling machine. A. W. Payne. 2,453,724, Nov. 16.
- Coils for variometers, Making spherical. E. E. Combs. 2,455,355, Dec. 7.
- Coils, Making gear heating. H. E. Somes. 2,435,242, Feb. 3.
- Coils, Method and machine for winding. R. D. Nelson. 2,441,439, May 11.
- Coils with connecting tails, Apparatus for producing elastic. R. J. Arnold, W. D. MacDonald, and R. D. Collins. 2,452,435, Oct. 26.
- Coin collector for telephone systems, Portable. L. E. Van Damme. 2,444,074, June 29.
- Coin-controlled device. M. J. Auerbach. 2,453,398, Nov. 9.
- Coin controlled lock. G. Hofmann. 2,437,742, Mar. 16.
- Coin counting machine. W. A. Barganz and E. W. Quirk. 2,437,721, Mar. 16.
- Coin device. O. A. Hokanson. 2,446,510, Aug. 3.
- Coin display block. R. De W. Ensley. 2,434,553, Jan. 13.
- Coin packaging device. E. C. Carruthers. 2,444,804, July 6.
- Coin pocket construction for billfolds. H. B. Potter. 2,444,366, June 29.
- Coin receiving device. A. M. Gordon. 2,438,336, Mar. 23.
- Coin-receiving structure. L. Hoyt. 2,451,088, Oct. 12.
- Coin selecting device. O. A. Hokanson. 2,453,437, Nov. 9.
- Coin selector. C. Gabrielsen and J. Nisenson. 2,442,890, June 8.
- Coin switch. S. May. 2,442,174, May 25.
- Coke oven with regenerator, Vertical. G. Padgett. 2,434,862, Jan. 20.
- Collapsible canopy top frame. B. B. Westmoreland. 2,436,736, Feb. 24.
- Collapsible chair. L. W. Morris. 2,451,687, Oct. 19.
- Collapsible coat hanger. N. L. Wingate. 2,435,301, Feb. 3.
- Collapsible container. M. Antil. 2,456,479, Dec. 14.
- Collapsible container. T. Friedman. 2,438,434, Mar. 23.
- Collapsible container. H. A. Johnson. 2,455,124, Nov. 30.
- Collapsible covered container or box. K. T. Buttery. 2,447,563, Aug. 24.
- Collapsible display frame. E. M. Roach. 2,439,022, Apr. 6.
- Collapsible garment frame. S. Samuel. 2,444,535, July 6.
- Collapsible golf cart. H. R. Sutphen. 2,438,078, Mar. 16.
- Collapsible hanging garment container. I. M. Cowan. 2,440,192, Apr. 20.
- Collapsible ironing board stand. J. H. Rieger. 2,443,514, June 15.
- Collapsible lunch or shopping bag. C. J. Warner. 2,457,422, Dec. 28.
- Collapsible pocket tool. W. G. Salg. 2,441,673, May 18.
- Collapsible rocking chair. A. J. Taylor. 2,434,748, Jan. 20.
- Collapsible shipping and display carton. L. W. Franck. 2,435,135, Jan. 27.
- Collapsible stand. C. H. Roberts. 2,452,792, Nov. 2.
- Collapsible storage cabinet. E. H. Curtis. 2,455,739, Dec. 7.
- Collapsible tube holder. C. Arp. 2,457,024, Dec. 21.
- Collapsible wall type container. C. A. Tome. 2,435,251, Feb. 3.
- Collar. W. J. La Rose. 2,436,696, Feb. 24.
- Collar and making it, Stitchless shirt. E. C. Pfeffer, Jr., and L. M. Miller. 2,435,509, Feb. 3.
- Collar attachment. W. F. King. 2,442,294, May 25.
- Collar attachment. J. W. Less. 2,442,655, June 1.
- Collar can collar structure. J. Coyle and J. F. Egenolf. 2,452,839, Nov. 2.
- Collar clip. J. R. Palagonia. 2,438,645, Mar. 30.
- Collar connection, Closet bend. F. J. Lassa. 2,436,070, Feb. 17.
- Collar construction, Shirt. S. Burton. 2,449,584, Sept. 21.
- Collar, Horse. L. Y. Davis. 2,450,719, Oct. 5.
- Collar shaping device. V. A. Herr. 2,439,088, Apr. 6.
- Collar, Shirt. M. F. Rogers. 2,447,431, Aug. 17.
- Collar stay and necktie support. E. G. Pophal. 2,438,325, Mar. 23.
- Collar support. G. C. Morrison. 2,456,887, Dec. 21.
- Collar, Valve stop. C. B. Johnson. 2,448,529, Sept. 7.
- Collar, Wash check. G. E. Roberts. 2,439,488, Apr. 13.
- Collator. J. M. Drulliner. 2,449,594, Sept. 21.
- Collector for drains, Debris. W. Behrend. 2,440,165, Apr. 20.
- Collector for textile drafting mechanisms. J. Noguera. 2,450,251, Sept. 28.
- Collector unit, Direction finder. L. L. Libby and F. C. Wallace. 2,445,786, July 27.
- Collet. W. H. Schneider. 2,441,599, May 18.
- Collet and collet chuck therefor. R. F. Brennen. 2,452,986, Nov. 2.
- Collet chuck closer. P. M. Mueller. 2,441,644, May 18.
- Collimator apparatus for testing the gyroscope and optical system of bomb-sights, Portable. S. H. Petry and H. S. Snyder. 2,451,409, Oct. 12.
- Collimator sight for torpedo ejectors, Reflector. W. B. Ensinger. 2,453,122, Nov. 9.
- Colloid dental tray. C. H. Oertel. 2,452,866, Nov. 2.
- Colloidal mills of the multiple grinding unit type. E. B. A. Zwayer. 2,437,147, Mar. 2.
- Color analyzing circuit. G. C. Sziklai. 2,438,586, Mar. 30.
- Color blindness chart for detecting anomalous vision, deuteranopes, protanopes, tritanopes and monochromats. R. B. Morris. 2,453,335, Nov. 9.
- Color camera. S. B. Grimson. 2,445,668, July 20.
- Color cinematography on lenticular films. L. Bassani and G. Gagnepain. 2,451,902, Oct. 19.
- Color comparison apparatus. F. G. Merckel. 2,452,385, Oct. 26.
- Color control for photographic enlargers. L. L. Weisglass. 2,447,724, Aug. 24.
- Color couplers, Open chain active methylene. A. Weissberger and H. D. Porter. 2,439,352, Apr. 6.
- Color facsimile. A. C. Hardy and E. C. Dench. 2,434,561, Jan. 13.
- Color of surface-active agents, Improving the. L. J. Beckham and W. F. Fessler. 2,447,308, Aug. 17.
- Color-pattern generating device. R. A. McCallum. 2,443,510, June 15.
- Color photographic process. H. P. Husek. 2,444,567, July 6.
- Color photography and compositions and elements therefor for utilizing sulfonamide color formers. A. B. Jennings. 2,435,629, Feb. 10.
- Color photography with azo-substituted couplers. E. E. Jelley and P. W. Vittum. 2,434,272, Jan. 13.
- Color process registration table. R. Lawrence. 2,438,639, Mar. 30.
- Color separation with fluorescent materials. J. L. and R. C. Switzer. 2,434,019, Jan. 6.
- Color separation images, Registration of. L. M. Conda. 2,455,735, Dec. 7.
- Color stabilization of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. 2,438,102, Mar. 16.
- Color television tube. A. C. Schroeder. 2,446,791, Aug. 10.
- Color television tube. L. E. Swedlund. 2,446,440, Aug. 3.

- Coloring metal surfaces. L. J. Rogers. 2,437,441, Mar. 9.
- Colostomy appliance. A. E. Thomas. 2,438,769, Mar. 30.
- Colostomy drain bag. V. J. Porcell. 2,441,508, May 11.
- Colostomy irrigator. J. W. McArdle. 2,434,327, Jan. 13.
- Colostomy receptacle. S. Eich. 2,437,019, Mar. 2.
- Colostomy tube. G. E. Saur. 2,438,073, Mar. 16.
- Coloured images by means of aryl hydrazones of glyoxylic acid amide, Forming. J. D. Kendall and H. G. Suggate. 2,449,388, Sept. 14.
- Column, Building. J. S. Donahue and G. E. Strehan. 2,439,129, Apr. 6.
- Column form. W. G. Venard. 2,443,059, June 8.
- Column, Liquefaction and rectification. A. J. and I. F. Fausek. 2,446,534-5, Aug. 10.
- Comb. M. L. Finman. 2,454,642, Nov. 23.
- Comb. C. Marini. 2,456,138, Dec. 14.
- Comb. A. A. Norin. 2,446,781, Aug. 10.
- Comb. H. E. Rhodes. 2,438,945, Apr. 6.
- Comb. L. S. Utley. 2,442,028, May 25.
- Comb. A. L. Voight. 2,449,430, Sept. 14.
- Comb accessory. F. R. Heyman. 2,437,298, Mar. 9.
- Comb and brush, Combined. J. Hermans. 2,446,086, July 27.
- Comb and carrying case, Combination. R. J. Delhaye. 2,443,099, June 8.
- Comb and reed for textile machines. F. H. Kaufmann. 2,447,342, Aug. 17.
- Comb, Fountain. A. R. Dominguez. 2,456,687, Dec. 21.
- Comb, Hair. H. L. Booth. 2,436,548, Feb. 24.
- Comb, Handy. C. S. Wilson. 2,446,398, Aug. 3.
- Comb, Push. H. S. Cloyd. 2,457,446, Dec. 28.
- Comb, Thermostatic electrically heated. P. Aeres. 2,457,621, Dec. 28.
- Combs, Producing tufted plastic. H. L. Booth. 2,457,440, Dec. 28.
- Combination calendar and memorandum pad holder. E. A. Haveles. 2,444,647, July 6.
- Combination cast and stamped wheel. C. Hollerith. 2,440,858, May 4.
- Combination cigarette and match case. O. Q. Atkinson. 2,447,787, Aug. 24.
- Combination clamp and closure. G. W. Oakes. 2,451,405, Oct. 12.
- Combination high and low pressure hydraulic pump. C. T. Swanson. 2,434,296, Jan. 13.
- Combination illuminating and sterilizing lamp. M. M. Bilofsky. 2,434,980, Jan. 27.
- Combination jar wrench and holder. C. E. Ratchford. 2,447,770, Aug. 24.
- Combination lock. A. M. Finck. 2,439,461, Apr. 13.
- Combination lock. G. T. Mason. 2,439,140, Apr. 6.
- Combination lock. H. M. Hendlin. 2,442,688, June 1.
- Combination lock. M. de Wrangell. 2,447,785, Aug. 24.
- Combination microphone and control means for dictating machines. G. F. Braun. 2,452,830, Nov. 2.
- Combination of cabinet and rotary phonograph support. F. I. Johnson. 2,441,575, May 18.
- Combination steaming and pressing iron. E. H. Bassett. 2,434,097, Jan. 6.
- Combination step-by-step and induction motor. J. T. McNaney. 2,454,519, Nov. 23.
- Combination toggle and cam clamp. H. H. Merriman. 2,439,483, Apr. 13.
- Combine. M. Ronning and K. M. Keith. 2,455,905, Dec. 7.
- Combined dispensing and blade holding box. A. G. Davis. 2,451,382, Oct. 12.
- Combined drill and deburring tool. D. Jones. 2,437,822, Mar. 16.
- Combined humidifier and toilet paper dispenser. S. H. Resch. 2,440,974, May 4.
- Combined illuminating and radiating type heater. J. J. Rogers. 2,452,210, Oct. 26.
- Combined internal-combustion and turbine engine. J. Youhouse. 2,456,164, Dec. 14.
- Combined pressure and temperature relief valve. M. R. Crowe. 2,444,130, June 29.
- Combined table and ironing board. R. E. Stubbs. 2,447,480, Aug. 17.
- Combined thermal and magnetic flasher switch. H. R. Gross. 2,451,618, Oct. 19.
- Combining machine for textile fibres. J. W. Nasmith. 2,440,870, May 4.
- Combs for comb machines, Manufacturing. J. P. Curry. 2,446,079, July 27.
- Combustion apparatus. S. Way and E. P. Walsh. 2,448,562, Sept. 7.
- Combustion apparatus for solid combustibles in fragments. R. Esnault-Pelterie. 2,452,843, Nov. 2.
- Combustion chamber and gas collector arrangement for power plants. R. J. Hooker. 2,441,194, May 11.
- Combustion chamber and supplying plural liquid fuels thereto. R. H. Goddard. 2,456,402, Dec. 14.
- Combustion chamber drain arrangement. W. W. Kuyper. 2,446,013, July 27.
- Combustion chamber structure with spiral air inlet. M. E. Hanna. 2,446,473, Aug. 3.
- Combustion heater having air preheating and carbureting means. H. J. D. McCollum. 2,452,779, Nov. 2.
- Combustion system for combustion tube burners, Dual. E. Rousseau. 2,447,211, Aug. 17.
- Comfortable, Electrically heated. H. P. Theodore. 2,456,468, Dec. 14.
- Comminutor and drier, Fruit and vegetable. O. W. Randolph. 2,446,952, Aug. 10.
- Commode chair. J. S. Edens. 2,447,239, Aug. 17.
- Communication cables, Manufacturing. C. S. Gordon. 2,453,313, Nov. 9.
- Communication lines, Laying. R. K. Potter. 2,436,402, Feb. 24.
- Communication, Multiplex, radio. E. S. Purington. 2,449,819, Sept. 21.
- Communication system. L. A. De Rosa. 2,441,958, May 25.
- Communication system, Continuously checked. J. W. Knapp and J. C. O'Brien. 2,435,010, Jan. 27.
- Communication system, Code modulation. J. C. Schelleng. 2,453,461, Nov. 9.
- Communication system, Electron tube variable impulse. R. E. Mumma and F. X. Bucher. 2,451,859, Oct. 19.
- Communication system employing complex multivibrator modulators, Multichannel pulse. M. M. Levy. 2,454,815, Nov. 30.
- Communication system employing pulse code modulation. W. M. Goodall. 2,449,467, Sept. 14.
- Communication system employing pulse code modulation. J. R. Pierce. 2,457,707, Mar. 16.
- Communication system employing pulse code modulation. J. R. Pierce. 2,451,044, Oct. 12.
- Communication system employing pulse frequency reduction for signaling, Pulse. E. M. Deloraine and D. D. Grieg. 2,438,903, Apr. 6.
- Communication system, Pulse code modulation. W. M. Goodall. 2,438,908, Apr. 6.
- Communication system, Pulse multiplex. D. D. Grieg. 2,454,792, Nov. 30.
- Communication system, Wobbled frequency carrier wave. M. Silver, C. A. Segerstrom, Jr., and R. B. Reade. 2,448,055, Aug. 31.
- Communication systems, Pulse modulation. P. K. Chatterjee and J. K. Beney. 2,441,954, May 25.
- Commutator. S. N. Holman. 2,439,974, Apr. 20.
- Commutator. R. I. Roth. 2,447,819, Aug. 24.
- Commutator apparatus. N. E. Lindenblad. 2,449,078, Sept. 14.
- Commutator bar. C. J. Werner. 2,436,910, Mar. 2.
- Commutator brush holder. M. J. Neuner. 2,443,266, June 15.
- Commutator for dynamoelectric machines. R. F. Franklin. 2,452,918, Nov. 2.
- Commutator with supplementary grid control, Sequential electronic. A. H. Dickinson. 2,447,799-800, Aug. 24.
- Commutators, Making. E. L. Le Greid. 2,451,500, Oct. 19.
- Commutators, Manufacturing. G. L. Moeller. 2,449,309, Sept. 14.
- Compact. J. Casalino. 2,438,841, Mar. 30.
- Compact. L. M. Fox. 2,442,541, June 1.
- Compact. R. F. Parker. 2,437,120, Mar. 2.
- Compact and flashlight, Combined. M. A. Taschereau. 2,454,527, Nov. 23.
- Compact, purse, and key ring, Combined. J. Shapiro. 2,437,335, Mar. 9.
- Comparator and limit gauge, Combined. A. H. Emery. 2,445,875, July 27.
- Comparator for color photographs. E. H. Loessel and J. J. Risdon. 2,446,052, July 27.
- Comparator gauge. C. M. Hathaway. 2,452,753, Nov. 2.
- Comparator, Interferometric. G. E. Merritt. 2,450,839, Oct. 5.
- Comparison of radio frequency circuit losses. W. V. Roberts. 2,449,621, Sept. 21.
- Compartmented container. J. H. Cassidy and R. M. Grunden. 2,450,419, Oct. 5.
- Compass. R. C. Burt. 2,446,258, Aug. 3.
- Compass, Automatic radio. H. F. Penfold and J. P. Della Corte. 2,449,859, Sept. 21.
- Compass, Drafting. B. R. Cameron. 2,454,305, Nov. 23.
- Compass, Draftsman's. F. Fuller. 2,448,878, Sept. 7.
- Compass, Earth induction. C. E. Granqvist. 2,444,290, June 29.
- Compass, Earth inductor. H. Lehde. 2,434,324, Jan. 13.
- Compass follower. E. F. Britten, Jr. 2,455,219, Nov. 30.
- Compass for use in drafting. A. Szerenyi. 2,442,185, May 25.
- Compass, Magnetic. E. W. Hart. 2,437,692, Mar. 16.
- Compass, Magnetic. L. Wolfe. 2,446,568, Aug. 10.
- Compass, Radio. P. G. Hansel. 2,449,553, Sept. 21.
- Compass, Repeater. L. P. Crossman. 2,437,506, Mar. 9.
- Compass, Sun. J. M. S. Kaufman and S. Krasnow. 2,441,636, May 18.
- Compass, Telemetric. W. H. Kliever. 2,454,184, Nov. 16.
- Compensating center support. D. W. Wirebaugh. 2,435,417, Feb. 3.
- Compensating circuit. D. D. Grieg. 2,441,964, May 25.
- Compensating device. A. Wright. 2,449,969, Sept. 28.
- Compensating means for indicators on positioning devices. R. S. Shrewsbury. 2,448,473, Aug. 31.
- Compensator for doppler effect. O. H. Schuck. 2,438,580, Mar. 30.
- Compensator for firearms. J. E. Sieg. 2,442,382, June 1.
- Compensator for guns. J. E. Sieg. 2,451,514, Oct. 19.
- Compensator for hydraulic systems, Thermal. A. E. Kremiller. 2,436,009, Feb. 17.
- Compensator, Optical. J. F. Leventhal. Re. 22,960, Jan. 6.
- Compensator, Printing press. W. F. Huck. 2,453,982, Nov. 16.

- Compensator, Variable air gap turn. H. C. Wendt. 2,450,320, Sept. 28.
- Complex salts of streptomycin and preparing same. R. L. Peck. 2,446,102, July 27.
- Composite achromatic wave plates comprising superimposed sheets of differently birefringent, molecularly oriented, transparent, solid, organic plastic material. C. D. West. 2,441,049, May 4.
- Composite article. G. H. Taft. 2,451,182, Oct. 12.
- Composite board. H. M. Marc. 2,434,466, Jan. 13.
- Composite chair. F. Hirsch. 2,454,699, Nov. 23.
- Composite material and shaped bodies therefrom. C. G. Goetzel. 2,456,779, Dec. 21.
- Composite pigments. L. Aagaard and W. J. Cauwenberg. 2,444,237-8, June 29.
- Composite strip material, Method and apparatus for making. C. A. Mann. 2,438,568, Mar. 30.
- Composite structures. L. R. Herndon. 2,439,514, Apr. 13.
- Composite thermoplastic fibers. W. A. Sisson. 2,439,815, Apr. 20.
- Composite titanium dioxide-metal oxide. A. Pechukas. 2,437,171, Mar. 2.
- Composition and process for curing lumber and product. A. Lippman, Jr., R. L. Comstock, and E. B. Benjamin. 2,449,785, Sept. 21.
- Composition and process for imparting durable water repellent finish to textiles. E. Abrams. 2,446,864, Aug. 10.
- Composition comprising a polyvinyl acetal resin stabilized with a basic alkali metal compound and an amine salt. R. D. Dunlop. 2,436,253, Feb. 17.
- Composition comprising an acyl peroxide cured polyester and an alkaline carbonate. B. S. Biggs. 2,448,572, Sept. 7.
- Composition comprising caprolactam for printing nylon fiber. C. F. Miller. 2,439,745, Apr. 13.
- Composition comprising coumarone indene resin, cetyl acetamide, and ethyl cellulose, Impregnating. W. P. Lowden. 2,456,717, Dec. 21.
- Composition comprising organic peroxide cured glycol-dicarboxylic acid polyester and red oxide of iron. F. S. Malm. 2,448,609, Sept. 7.
- Composition containing talloil resins. W. J. Rice. 2,448,621, Sept. 7.
- Composition for and coating aluminum. F. P. Spruance, Jr. 2,438,877, Mar. 30.
- Composition for cold water cement paint. J. G. Franco. 2,445,521, July 20.
- Composition for control of poultry coccidiosis. O. J. Mayfield, N. F. Morehouse, and A. W. Walde. 2,449,080-1, Sept. 14.
- Composition for descaling ferrous metal. H. A. Robinson. 2,450,861, Oct. 5.
- Composition for igniter for rectifiers. G. H. Fetterley. 2,439,290, Apr. 6.
- Composition for inhibiting foam. H. E. Tremain and L. R. Bacon. 2,453,351-2, Nov. 9.
- Composition for poison ivy diagnosis. H. Kell and C. R. Dawson, and D. Wasserman. 2,451,955, Oct. 19.
- Composition for treating coal and the like. W. E. Kleinicke. 2,448,605, Sept. 7.
- Composition for use as a detergent, water treating agent, and deflocculant, Fused unitary vitreous. A. G. Pincus. 2,434,674, Jan. 20.
- Composition for use in casting. G. W. Smith. 2,444,271, June 29.
- Composition of butadiene-acrylonitrile copolymer and styrene-acrylonitrile copolymer. L. E. Daly. 2,439,292, Apr. 6.
- Composition of half-ester of styrenemaleic anhydride copolymer and a solvent. J. S. Kirk. 2,454,284, Nov. 23.
- Composition of matter. C. M. Blair, Jr. 2,444,328, June 29.
- Composition of matter. V. N. Ipatieff and V. Haensel. 2,444,509, July 6.
- Composition of matter. W. E. Kleinicke. 2,436,146, Feb. 17.
- Composition of matter and making same. M. De Groote and B. Keiser. 2,446,045, July 27.
- Composition of matter for sealing spot-welded joints. P. Sussenbach. 2,452,805, Nov. 2.
- Composition of matter suitable for use as a lubricant and as an addition agent to lubricants, Preparing. J. M. Musselman. 2,441,587, May 18.
- Composition of phenol-rubber and resorcinol-formaldehyde. H. E. Schroeder. 2,449,180, Sept. 14.
- Composition of rubber-like qualities. A. C. Fischer. 2,454,506, Nov. 23.
- Composition of terpinene-maleic anhydride, hydrogenated coumarone-indene resin, and polystyrene. I. C. Matthews and W. F. Lynch. 2,436,048, Feb. 17.
- Compositions comprising a polyvinyl chloride resin stabilized with ortho-sulfobenzimide. R. H. Schlattman. 2,455,611, Dec. 7.
- Compositions comprising a polyvinyl chloride resin stabilized with the alkali metal salts and the alkaline earth metal salts of ortho-sulfobenzimide. R. H. Schlattman. 2,455,612, Dec. 7.
- Compositions comprising a polyvinyl chloride resin stabilized with the dialkyl tin salts of ortho-sulfobenzimide. R. H. Schlattman. 2,455,613, Dec. 7.
- Compositions comprising a polyvinyl chloride resin stabilized with the lead salt of ortho-sulfobenzimide. R. H. Schlattman. 2,455,614, Dec. 7.
- Compositions, Mortar and cement. F. G. Uhler. 2,437,842, Mar. 16.
- Compositions of matter and making same. J. C. Sauer. 2,454,294, Nov. 23.
- Compositions of matter, Heat-curable elastic. J. G. E. Wright. 2,453,562, Nov. 9.
- Compositions of polymeric plasticizers and organic plastic materials. D. E. Adelson and H. Dannenberg. 2,446,121, July 27.
- Compositions on surfaces, Forming plastic coating. F. E. Drummond. 2,450,503, Oct. 5.
- Compositions suitable for use as gas and power producing liquids. J. Whetstone and J. Taylor. 2,455,205, Nov. 30.
- Compositions, Waterproofing plastic. J. A. Bell. 2,457,518, Dec. 28.
- Compound for fishing bait. I. F. Richardson. 2,449,322, Sept. 14.
- Compound for treating produce and making same. B. R. and M. M. Burgess. 2,443,224, June 15.
- Compound of urobilinogen and hippuric acid as antipressor. H. M. Rabinowitz. 2,447,363, Aug. 17.
- Compounded oil. J. O. Clayton. 2,450,633, Oct. 5.
- Compounds, the manufacture of unsaturated. W. Huber. 2,451,741, Oct. 19.
- Compounds containing amidine groups, Manufacture of. W. F. Short and M. W. Partridge. 2,450,386, Sept. 28.
- Compounds containing carbonyl groups, Manufacture of. H. Dreyfus. 2,434,313, Jan. 13.
- Compounds of the adrenal cortical hormone series and making same. T. Reichstein. 2,440,874, May 4.
- Compounds of the etio-cholanic acid series and substitution products thereof, Manufacture of saturated and unsaturated. T. Reichstein. 2,435,017, Jan. 27.
- Compounds with cortinlike effect and intermediates thereof and producing the same. A. Serini and W. Logemann. 2,437,564, Mar. 9.
- Compressed gas-operated circuit interrupters with position indicator. L. R. Ludwig, B. P. Baker, and J. M. Cumming. 2,447,656, Aug. 24.
- Compressed neutron source. H. L. Anderson. 2,440,999, May 4.
- Compressed tablets and the like from finely divided ingredients, Manufacture of. C. Creevy. 2,444,282, June 29.
- Compressed wire units, Producing. A. M. Goodloe and O. H. York. 2,439,424, Apr. 13.
- Compressible powder dispenser. W. H. Rose. 2,450,205, Sept. 28.
- Compression member. W. G. Mitchell. 2,440,150, Apr. 20.
- Compression member. W. G. Mitchell. 2,451,234, Oct. 12.
- Compression mold. W. C. Shriver. 2,442,516, June 1.
- Compression still with liquid level cutoff, Vapor. J. Kirgan. 2,441,361, May 11.
- Compression-wave delay device. T. J. Keary. 2,446,835, Aug. 10.
- Compressor. B. W. Barlow. 2,435,528, Feb. 3.
- Compressor. J. J. Corey. 2,436,854, Mar. 2.
- Compressor. P. H. Davey. 2,449,930, Sept. 21.
- Compressor. W. V. Fischer. 2,452,232, Oct. 26.
- Compressor. W. V. Fischer. 2,454,600, Nov. 23.
- Compressor. P. Kollman. 2,453,373-5, Nov. 9.
- Compressor. F. W. Lynch and T. Castberg. 2,440,865, May 4.
- Compressor. J. Naab. 2,449,408, Sept. 14.
- Compressor. A. H. Redding. 2,446,552, Aug. 10.
- Compressor and like machines, Axial flow. J. S. Hall. 2,451,944, Oct. 19.
- Compressor, Axial flow. K. Baumann. 2,450,745, Oct. 5.
- Compressor capacity control for air conditioning systems. M. B. Goddard. 2,443,500, June 15.
- Compressor, Centrifugal. H. A. Johnson. 2,435,836, Feb. 10.
- Compressor, Centrifugal. K. D. McMahan and N. P. Bailey. 2,453,524, Nov. 9.
- Compressor, Gas. F. Lago. 2,434,705, Jan. 20.
- Compressor, Gas-actuated turbine-driven. J. E. Van Acker. 2,447,292, Aug. 17.
- Compressor load protector. C. E. Ploeger. 2,454,976, Nov. 30.
- Compressor lubrication, Rotary. E. L. Fabian. 2,450,190, Sept. 28.
- Compressor mechanism. B. S. Aikman. 2,437,341, Mar. 9.
- Compressor motor and making same. R. L. Benson. 2,453,297, Nov. 9.
- Compressor, Motor-driven. R. T. Cornelius. 2,450,468, Oct. 5.
- Compressor or pump. H. W. Bell. 2,453,402, Nov. 9.
- Compressor piston ring. A. Kalitinsky. 2,447,125, Aug. 17.
- Compressor pump. B. R. Burke. 2,451,379, Oct. 12.
- Compressor, Reciprocating. J. F. Ekleberry. 2,443,344, June 15.
- Compressor, Rotary axial vane. D. L. Ball. 2,457,298, Dec. 28.
- Compressor sealing means, Rotary. E. P. Girard. 2,457,221, Dec. 28.
- Compressor, Supercoustic. A. H. Redding. 2,435,236, Feb. 3.
- Compressor system. B. W. Mantle. 2,448,379, Aug. 31.
- Compressor unit. R. B. Weston. 2,443,286, June 15.

- Compressor unloader. S. R. Hirsch. 2,445,527, July 20.
Compressor valve. O. H. Buschmann. 2,434,734, Jan. 20.
Compressor, Valve spring. G. J. Necker. 2,443,193, June 15.
Computer. W. B. Klemperer and E. H. Pier. 2,439,365, Apr. 6.
Computer, Artillery. E. Lakatos. 2,434,274, Jan. 13.
Computer, Cruise control. E. Leshner. 2,436,391, Feb. 24.
Computer for determining gun sight deflection, Gyroscopic. John R. Moore and D. L. Colbath. 2,440,968, May 4.
Computer, Gun fire control prediction. D. J. Stewart and H. D. Colman. 2,442,383, June 1.
Computer having nonuniform target flight compensating mechanism, Fire control. D. J. Stewart. 2,442,384, June 1.
Computer, Range. C. A. Lovell and D. B. Parkinson. 2,443,624, June 22.
Computer system. R. L. Snyder, Jr., and R. R. Goodrich. 2,441,296, May 11.
Computer, Time-speed-distance divider-type. C. Sadowsky. 2,435,606, Feb. 10.
Computing device. B. G. Eaton. 2,441,261, May 11.
Computing device. G. A. Morton. 2,435,840, Feb. 10.
Computing device. G. A. Morton and L. E. Flory. 2,435,841, Feb. 10.
Computing device. A. W. Vance. 2,438,425, Mar. 23.
Computing device. M. Watter. 2,438,730, Mar. 30.
Computing device, Geometrical. E. W. Smith. 2,438,522, Mar. 30.
Concealed post support. W. H. Fleiss. 2,455,606, Dec. 7.
Concentrates from weak solutions, Obtaining. H. A. Noyes. 2,443,867, June 22.
Concentrating and refining formaldehyde solutions by distillation with hydrocarbons. S. Y. Wong. 2,452,412, Oct. 26.
Concentrating and refining formaldehyde solutions by distillation with halogenated hydrocarbons. S. Y. Wong. 2,452,413, Oct. 26.
Concentrating and refining formaldehyde solutions by distillation with oxygenated hydrocarbon derivatives. S. Y. Wong. 2,452,414, Oct. 26.
Concentrating and refining formaldehyde solutions by distillation with hydrocarbon derivatives containing nitrogen and oxygen. S. Y. Wong. 2,452,415, Oct. 26.
Concentrating by freezing liquid fruit juice. W. E. Malcolm. 2,436,218, Feb. 17.
Concentrating dilute aqueous solutions of metal ammonium complex compounds. W. W. Fleer. 2,434,402, Jan. 13.
Concentration of chlorine. F. R. Balcar. 2,447,834, Aug. 24.
Concentrator having sloping reciprocating table with movable deck. A. B. Bouwer and L. Dorfman. 2,438,775, Mar. 30.
Concentric and parallel conductor systems, Junction between. W. Dallenbach. 2,437,244, Mar. 9.
Concrete beams, Method and apparatus for producing. G. E. Nagel. 2,440,754, May 4.
Concrete block machine. N. B. Hanson. 2,457,368, Dec. 28.
Concrete expansion joint. J. N. Heltzel. 2,452,462, Oct. 26.
Concrete feed and fertilizer mixer. J. S. Kamper. 2,456,285, Dec. 14.
Concrete finishing device. W. J. Sponseller. 2,446,028, July 27.
Concrete form, Folding. W. C. Niccolls. 2,451,112, Oct. 12.
Concrete form, Prefabricated. P. B. West. 2,455,455, Dec. 7.
Concrete form waler bracket. V. J. Luppino. 2,452,203, Oct. 26.
Concrete mixer. M. V. Gilson. 2,438,555, Mar. 30.
Concrete mixer. H. W. Huffman. 2,447,071, Aug. 17.
Concrete mixer. G. Jaeger. 2,439,774, Apr. 13.
Concrete mixer. A. McMillan. 2,442,139, May 25.
Concrete pile with bulb at lower end. M. M. Upson and E. D. Watt. 2,438,129, Mar. 30.
Concrete placement machine. C. Jackson. 2,449,851, Sept. 21.
Concrete post form. R. L. Hall. 2,448,883, Sept. 7.
Concrete septic tank. P. N. Sitton. 2,440,762, May 4.
Concrete spreading apparatus. A. E. Miller, G. K. Viall, and R. F. Lindow. 2,449,710, Sept. 21.
Concrete vessels, Constructing. M. Palmieri. 2,454,403, Nov. 23.
Condensation derivatives of rubber. W. H. Nicol. 2,439,369, Apr. 6.
Condensation, Method and apparatus for the prevention of. A. H. Heinolan. 2,441,571, May 18.
Condensation of an arylalkane in the presence of lead alkyl. The. R. B. Thompson. 2,450,099, Sept. 28.
Condensation of phthalic anhydride, Fractional. K. F. Pietzsch. 2,455,314, Nov. 30.
Condensation preventing means for refrigerators. D. Colvin. 2,443,342, June 15.
Condensation product and preparation and use thereof. E. Lieber. 2,433,852, Jan. 6.
Condensation products from ketones and aralkyl organic compounds and producing the same. A. B. Bakalar. 2,455,643, Dec. 7.
Condensation products obtained from anacardic materials. M. T. Harvey. 2,448,715, Sept. 7.
Condensation products of polyhydroxy alkylamines with aldehydes. W. B. Johnston. 2,448,890, Sept. 7.
Condensation products of quinones with active ethylene compounds. M. D. Gates, Jr. 2,437,087, Mar. 2.
Condensation pump. G. A. Kuipers. 2,435,686, Feb. 10.
Condenser: See—
Electric condenser. High voltage condenser.
Electrical condenser. Internally cooled zinc condenser.
Electrolytic condenser. Variable condenser.
Filament by pass condenser. Surface condenser.
Condenser. J. J. Antalek. 2,448,407, Aug. 31.
Condenser. W. F. Bokum. 2,452,427, Oct. 26.
Condenser. H. M. Dressel. 2,436,208, Feb. 17.
Condenser. H. M. Graham. 2,453,662, Nov. 9.
Condenser. C. E. Lucke. 2,447,259, Aug. 17.
Condenser and brush mounting for dynamoelectric machines. J. Nader. 2,450,809, Oct. 5.
Condenser charge and discharge system. L. G. Levoy, Jr. 2,442,609, June 1.
Condenser charging and discharging system. H. Klemperer. 2,441,822, May 18.
Condenser discharge control circuit. S. Frankel and M. Silver. 2,438,907, Apr. 6.
Condenser, Filter, and brush holder. K. H. Brandt. 2,453,114, Nov. 9.
Condenser structure. K. A. Duerk. 2,456,114, Dec. 14.
Condenser system for airplane engines. J. A. Burke, Jr. 2,447,486, Aug. 24.
Condensers, Manufacturing. E. S. Pridham. 2,449,952, Sept. 21.
Condiment. A. Fonvo. 2,455,749, Dec. 7.
Condiment holder. H. Brenner. 2,446,407, Aug. 3.
Condition of memory element and selectron, Indicating. J. A. Rajchman. 2,442,985, June 8.
Condition responsive circuit for rotatable members. A. C. Ruge. 2,434,438, Jan. 13.
Conditioning textile fibers. A. G. Hill. 2,440,399-400, Apr. 27.
Conductor and fabricating the same, Insulated electrical. L. A. Bondon. 2,454,625, Nov. 23.
Conductor arrangement for current distribution. J. G. Jackson. 2,439,471, Apr. 13.
Conductor, Electrical. C. G. Lemon. 2,451,839, Oct. 19.
Conductor, Electrical. K. L. Orser. 2,456,015, Dec. 14.
Conductor, Extensible electric. F. J. M. Dansard. 2,441,236, May 11.
Conductor having a low impedance movable electrical contact device, High-frequency. H. E. Holman and E. C. Cork. 2,454,062, Nov. 16.
Conductor, Insulated electrical. C. C. Smith. 2,448,633, Sept. 7.
Conductor pipe hook. M. B. Wolfe. 2,439,616, Apr. 13.
Conductors and cables, High-frequency electric. J. N. Dean, E. W. Smith, and R. Sear. 2,447,168, Aug. 17.
Conductors, Making electrical. C. J. Krogel. 2,440,802, May 4.
Conduit connection for tanks. E. H. Meyers and W. S. Gaines. 2,455,311, Nov. 30.
Conduit coupling. C. O. Morris. 2,438,412, Mar. 23.
Conduit coupling. E. D. Williams. 2,449,920, Sept. 21.
Conduit for hot gas power plants, Pressurized protective. A. Kalitinsky. 2,439,473, Apr. 13.
Conduit for radiator and engine connection, Adjustable. G. B. Williams. 2,449,265, Sept. 14.
Conduit receptacle. J. F. O'Brien and E. S. Boynton. 2,450,908, Oct. 12.
Conduit with a spiral fin having a capillary groove, Heat exchange. W. Raskin. 2,434,519, Jan. 13.
Cone bearing adjustment for gear-driven coaster brake. C. L. Hussey. 2,452,660, Nov. 2.
Cone, Ice cream. W. E. Amberg. 2,447,045, Aug. 17.
Cone jacket applying machine. M. Glassner. 2,445,713, July 20.
Confection package. J. Burstiner. 2,451,318, Oct. 12.
Confectionery forming mechanism. C. E. Faxon. 2,448,788, Sept. 7.
Confections or the like, Method and apparatus for assembling and handling. W. Spain. 2,442,250, May 25.
Confections, Preparing candy coated. J. J. Kooman. 2,451,093, Oct. 12.
Connecting a driven member to a shaft. C. Deetman. 2,444,922, July 13.
Connecting a handbag to its framework, Quick-detachably. L. H. Campos. 2,435,870, Feb. 10.
Connecting device and making the same. E. V. Soreny. 2,436,832, Mar. 2.
Connecting device, Piston rod. E. P. Larsh. 2,452,247, Oct. 26.
Connecting means. B. H. Gaul. 2,439,510, Apr. 13.
Connecting means and radio shielding means therefor, Electrical. J. R. Frei. 2,452,847, Nov. 2.
Connecting means for shaker conveyor troughs. L. D. Hagenbook. 2,449,473, Sept. 14.
Connecting plug. W. O. Detweiler. 2,445,608, July 20.
Connecting rod assemblage. L. Rose. 2,437,895, Mar. 16.
Connecting rod for internal-combustion engines. J. H. Holloway. 2,446,090, July 27.
Connecting system for alternating current circuits. H. T. Seeley. 2,445,804, July 27.
Connection and seal, Flexible. J. E. Glover, Jr., and J. C. Hanson. 2,451,941, Oct. 19.
Connection device, Pull point. E. M. Rothen. 2,452,494, Oct. 26.

- Connection, Electric utility. A. Wayne. 2,441,461, May 11.
- Connection for electric cables, Detachable. J. W. Nelson. 2,457,593, Dec. 28.
- Connection for enameled tanks. W. H. Martin. 2,453,331, Nov. 9.
- Connection for pump plungers or the like, Adjusting. A. Dunkin. 2,443,555, June 15.
- Connection for structural steel beams, End. J. R. Farrar. 2,456,055, Dec. 14.
- Connection, Governor-throttle. R. Reger. 2,452,393, Oct. 26.
- Connection or joint, Swivel. W. J. Rysick. 2,454,483, Nov. 23.
- Connection, Pipe joint. E. J. Shimek. 2,444,380, June 29.
- Connection strip as used in telephone and like systems, Cross. A. J. Humphries. 2,450,001, Sept. 28.
- Connection, Swivel. N. M. Couty. 2,450,581, Oct. 5.
- Connections, Damper-winding flexible. W. H. Morse. 2,456,983, Dec. 21.
- Connections, Transposing. W. D. Kyle, Jr., and A. V. Ryan. 2,451,622, Oct. 19.
- Connector: See—
- Antenna connector. Motor brush holder connector.
 - Antenna lead-in connector. Offset clamping connector.
 - Belt connector. Pavement slab connector.
 - Cable connector. Plug connector.
 - Coaxial line connector. Self-adapting connector.
 - Dobby knife connector. Separable connector.
 - Detachable electrical connector. Stamped chain connector.
 - Disengageable electrical circuit connector. Storm sash and casement window connector.
 - Draft connector. Swivel connector.
 - Electrical cable connector. Swivel type coaxial connector.
 - Electrical connector. Tinsel wire connector.
 - Electrical terminal connector. Thin-wall tubing connector.
 - Expandable connector. Wire connector.
 - Extensible connector.
 - Head band connector.
- Connector. D. E. Cole. 2,452,184, Oct. 26.
- Connector. B. A. Lundy. 2,443,509, June 15.
- Connector. D. J. Macpherson, P. A. Lefebvre, and W. Escott. 2,444,459, July 6.
- Connector. L. L. Mallard. 2,439,176, Apr. 6.
- Connector. W. F. Watson. 2,449,869, Sept. 21.
- Connector. B. C. Webster. 2,437,339, Mar. 9.
- Connector and carrier, Clamping. L. Frank. 2,434,358, Jan. 13.
- Connector and fuse, Battery. C. E. Storck, Jr. 2,454,487, Nov. 23.
- Connector bars, Producing. W. R. Scherer. 2,446,490, Aug. 3.
- Connector device. Le R. T. Miller. 2,444,058, June 29.
- Connector for attachment to electrical conductors, Solderless. P. A. Pontius. 2,439,947, Apr. 20.
- Connector for belt. E. Nassimbene. 2,449,950, Sept. 21.
- Connector for bracelets, wrist watch straps, etc. J. Kreisler. 2,453,993, Nov. 16.
- Connector for coaxial cable. C. M. Puckette, Jr. 2,457,722, Dec. 28.
- Connector for coaxial cables, Electrical. E. G. Hills. 2,434,742, Jan. 20.
- Connector for cords or cables. W. H. Churchill. 2,456,554, Dec. 14.
- Connector for corona discharge devices, Electric. E. B. Nichols. 2,440,828, May 4.
- Connector for electric cables and the like. V. D. Burke. 2,448,766, Sept. 7.
- Connector for electrical conductors, Terminal. W. J. Larkin. 2,448,268, Aug. 31.
- Connector for electric receptacles. K. Hoehn. 2,457,235, Dec. 28.
- Connector for electronic discharge devices, Lead. C. V. Litton. 2,452,582, Nov. 2.
- Connector for shower bath receptors, Drain. B. F. Birdwell. 2,437,068, Mar. 2.
- Connector for sliding members and the like, Adjustable. J. D. Coney. 2,439,078, Apr. 6.
- Connector for vacuum tubes. S. J. Koch and H. W. Leighton. 2,442,545, June 1.
- Connector plug. L. J. Irrgang. 2,444,739, July 6.
- Connector plug. O. H. Thomas. 2,452,967, Nov. 2.
- Connector system, Cathode line. J. H. Nye. 2,442,778, June 8.
- Connector unit for electric conduits. J. F. O'Brien and E. S. Boynton. 2,447,026, Aug. 17.
- Connector with floatable means, Swivel electrical. A. E. Anderson. 2,436,949, Mar. 2.
- Conserving and delivering water. C. C. Crick. 2,455,234, Nov. 30.
- Consistency control. C. E. Thorp and L. E. Anderson. 2,437,715, Mar. 16.
- Consistency meter. H. W. Laurance. 2,448,533, Sept. 7.
- Consistency of paper making stocks, Method of and apparatus for providing a response to the. E. A. Poirier. 2,444,668, July 6.
- Consistometer. B. S. Harrington. 2,437,194, Mar. 2.
- Constant-current control system, Adjustable. E. H. Haug. 2,445,577, July 20.
- Constant flow pump. C. A. Elwood. 2,450,751, Oct. 5.
- Constant pressure pump. W. T. Rauch. 2,453,538, Nov. 9.
- Constant speed power supplying apparatus. L. A. Trofi-mov. 2,445,342, July 20.
- Constant speed propeller simulating aviation trainers. K. A. Kail. 2,439,168, Apr. 6.
- Constituents of gases, Method and apparatus for measuring. A. L. Nicolai. 2,448,111, Aug. 31.
- Construction for footwear, Antisplash. C. O. Walper. 2,452,028, Oct. 19.
- Construction of fields for playing golf. M. B. Reach. 2,455,806, Dec. 7.
- Construction of internal-combustion engines. E. P. Paxman. 2,454,612, Nov. 23.
- Construction of retractable landing gear. R. Saulnier. 2,438,650, Mar. 30.
- Construction of small boats. A. G. Sherman. 2,453,463, Nov. 9.
- Consumer type container. L. C. Brooks. 2,450,110, Sept. 28.
- Contact and shorting mechanism. R. L. Treuthart. 2,456,902, Dec. 21.
- Contact apparatus, Gas and liquid. D. P. Graham. 2,457,658, Dec. 28.
- Contact apparatus, Gas and liquid. R. Kopita. 2,457,686, Dec. 28.
- Contact assembly, Rotary switch. W. L. Dietrich. 2,440,578, Apr. 27.
- Contact clip. M. M. Clayton. 2,445,604, July 20.
- Contact device. E. M. Glaser and G. S. Toombs. 2,434,740, Jan. 20.
- Contact device, Electric. G. R. Greenslade. 2,440,335, Apr. 27.
- Contact devices, Manufacturing sealed. E. B. Ferrell. 2,457,218, Dec. 28.
- Contact for vacuum tube sockets. C. J. Adams. 2,453,826, Nov. 16.
- Contact maker and breaker. O. A. Shann. 2,447,032, Aug. 17.
- Contact masses, Preparation of. H. A. Shabaker. 2,433,869, Jan. 6.
- Contact member and electrode for arc furnaces. A. J. and I. F. Fauser. 2,446,002, July 27.
- Contact pin and making the same. N. R. Smith. 2,438,075, Mar. 16.
- Contact printer and enlarger, Combination. P. S. Atkinson. 2,454,422, Nov. 23.
- Contact roll construction. J. S. Nachtman. 2,446,548, Aug. 10.
- Contact structure for electrolytic cells. F. A. Morin. 2,443,112, June 8.
- Contact terminal, Solderless. S. M. Weisberg. 2,456,601, Dec. 14.
- Contact transmitter means for sensitive instruments, Selectable. J. O. Kirwan. 2,452,764, Nov. 2.
- Contacting apparatus for catalytic processes. D. H. Putney. 2,453,592, Nov. 9.
- Contacting equipment, Electrical. B. W. Benbow. 2,453,778, Nov. 16.
- Contacting solid particles with gaseous fluids. R. W. Krebs. 2,443,190, June 15.
- Contactor for inductive tuners. M. G. Beier. 2,443,020, June 8.
- Contactor for loom warps, Electric. C. R. Kronoff and G. N. Peterson. 2,440,958, May 4.
- Contactor, Multiple. J. F. Frese. 2,454,788, Nov. 30.
- Contacts for fluorescent starter switches, Fabricating. H. M. and G. H. Burt. 2,434,905, Jan. 27.
- Container: See—
- Ammunition container.
 - Air delivery container.
 - Blade container.
 - Bottle container.
 - Cake make-up container.
 - Collapsible container.
 - Collapsible hanging garment container.
 - Collapsible wall type container.
 - Compartmented container.
 - Consumer type container.
 - Controlled ventilated container.
 - Crayon container.
 - Dental plate container.
 - Dispensing container.
 - Easy opening metal container.
 - Easy packing container.
 - Face powder and puff container.
 - Fiberboard cream separating milk container.
 - Fibre reinforced collapsible container.
 - Free-fall aerial container.
 - Frozen-food container.
 - Lipstick container.
 - Liquid-hydrocarbon-resistant container.
 - Mucilage container.
 - Pickup and delivery container.
 - Pocket-type tissue container.
 - Powder dispensing container.
 - Safety container.
 - Sealed slide container.
 - Self-opening container.
 - Self-sealing container.
 - Shipping container.
 - Tongueless tearing strip container.
 - Vending container.
 - Lipstick container.
- Container. C. O. Ball, G. L. Swope, and F. D. Scott. 2,437,926, Mar. 16.
- Container. R. Beattie. 2,456,483, Dec. 14.
- Container. H. L. Carpenter. 2,456,047, Dec. 14.
- Container. F. R. Curtiss. 2,437,079, Mar. 2.
- Container. P. J. Jensen. 2,446,422, Aug. 3.
- Container. G. A. Moore. 2,437,114, Mar. 2.
- Container. J. A. Peterson. 2,435,096, Jan. 27.
- Container. L. E. Richter. 2,453,159, Nov. 9.
- Container. W. A. Roselle. 2,456,735, Dec. 21.
- Container. L. J. Rosenberg. 2,434,014, Jan. 6.
- Container. F. L. Rushing. 2,456,841, Dec. 21.

- Container. B. M. Vanderbilt and P. T. Parker. 2,453,880, Nov. 16.
- Container. E. Watson. 2,434,377, Jan. 13.
- Container. G. H. Wood. 2,451,644, Oct. 19.
- Container. M. I. Williamson. 2,438,982, Apr. 6.
- Container and blank therefor. J. G. Bell. 2,457,198, Dec. 28.
- Container and closure and dispensing means therefor. W. J. Turenne. 2,443,086, June 8.
- Container and closure cap to be used therewith. G. Glocker. 2,446,226, Aug. 3.
- Container and closure therefor. J. Hohl. 2,453,664, Nov. 9.
- Container and closure therefor. A. J. Williams and W. J. Dyson. 2,438,689, Mar. 30.
- Container and cooperating withdrawing means, Blood specimen. A. Dolmatch. 2,436,638, Feb. 24.
- Container and coupling, Sectional. H. L. Carpenter. 2,456,048, Dec. 14.
- Container and dispenser, Combined. S. Wolfson. 2,434,238, Jan. 6.
- Container and dispensing device, Beverage. C. S. Lynch. 2,450,244, Sept. 28.
- Container and evaporator for refrigerators, Storage. W. L. Morrison. 2,436,592, Feb. 24.
- Container and jar closure fitting, Drinking. B. H. Polcyn. 2,447,870, Aug. 24.
- Container and making the same, Hermetically sealed. L. C. Brooks. 2,434,756, Jan. 20.
- Container and mixer for concrete, mortar, or other building material, Combined. P. K. Bressee. 2,441,392, May 11.
- Container and pack therefor, Inflatable. M. J. Sturtevant. 2,444,859, July 6.
- Container and support, Cigarette package. C. G. Rentos. 2,444,369, June 29.
- Container and terminal for electrical devices. W. Dubilier. 2,436,857, Mar. 2.
- Container and using same. W. D. Brandon. 2,457,120, Dec. 28.
- Container carrier. S. Petyak. 2,443,116, June 8.
- Container closure. G. Glocker. 2,437,515, Mar. 9.
- Container closure. H. G. Maeder, Jr., and M. R. Day. 2,456,972, Dec. 21.
- Container closing method and apparatus. J. C. Lang. 2,435,397, Feb. 3.
- Container closure manufacture. G. C. Erb. 2,443,185, June 15.
- Container closure, Shrinkable. J. W. Little. 2,447,983, Aug. 24.
- Container closures, Making. C. Hammer. 2,444,506, July 6.
- Container dispenser. A. E. Lindstrom. 2,445,958, July 27.
- Container feeder. F. W. Krueger. 2,454,285, Nov. 23.
- Container for air-depolarized cells, Protective gas-permeable. L. S. Dunham. 2,437,422, Mar. 9.
- Container for air transportation of fluids, Collapsible. H. F. Waters. 2,437,058, Mar. 2.
- Container for bombs. W. J. Russell. 2,449,511, Sept. 14.
- Container for corrosive substances, Glass-lined. P. E. Knudsen. 2,450,146, Sept. 28.
- Container for electric irons, Storage. R. L. Hurley. 2,439,004, Apr. 6.
- Container for electrical apparatus. J. V. Brown. 2,454,962, Nov. 30.
- Container for electrical condensers or other apparatus, Tubular. P. A. Sporing and C. P. Johnson. 2,450,310, Sept. 28.
- Container for electrical condensers or other apparatus, Tubular. P. A. Sporing and C. P. Johnson. 2,451,125, Oct. 12.
- Container for fishhooks. L. W. Vogel. 2,447,105, Aug. 17.
- Container for household use, Cigarette. G. R. Penn. 2,434,514, Jan. 13.
- Container for liquefied gases, Spherical type insulated. J. O. Jackson. 2,456,195, Dec. 14.
- Container for merchandise, Shadow box. R. E. Murphy. 2,455,795, Dec. 7.
- Container for perishable products, Insulated. G. H. Freeman. 2,444,344, June 29.
- Container for paper sheets, Single blank. O. H. Ogren. 2,450,558, Oct. 5.
- Container for powdery substances, Wedge-shaped dispensing. N. D. Giessen. 2,444,987, July 13.
- Container forming machine. J. G. Vergobbi. 2,446,798, Aug. 10.
- Container handle. J. E. Socke. 2,433,870, Jan. 6.
- Container handle. E. O. Then. 2,442,385, June 1.
- Container positioning mechanism for filling machines. R. E. J. Nordquist. 2,434,952, Jan. 27.
- Container refrigerated by dry ice. Shipping. A. J. Nicholas. 2,449,005, Sept. 7.
- Container safety lock. J. W. Armbruster. 2,437,674, Mar. 16.
- Container sealer, Individual. E. E. Anderson. 2,455,461, Dec. 7.
- Container structures for liquid, semi-liquid, and freely flowable products, especially food products to be frozen. W. A. Ringle. 2,443,451, June 15.
- Container suitable for dropping from aircraft and the like. E. R. Campbell, K. M. Frewin, F. W. Lennox, and R. P. Morris. 2,457,205, Dec. 28.
- Container supporting and closing mechanism. H. G. Eisler. 2,447,240, Aug. 17.
- Container treating machine. H. J. Paynter. 2,447,528, Aug. 24.
- Container with dispensing outlet secured thereto, Multiply. C. L. Hagan. 2,454,919, Nov. 30.
- Container with removable latching device and individually releasable flaps. H. W. Bruning. 2,443,702, June 22.
- Container with side opening, Flexible. N. Slobotkin. 2,458,940, Nov. 16.
- Containers for transplanted nursery stock, Machine for preparing. J. L. Mossholder. 2,444,744, July 6.
- Containers, Liner for produce. G. W. Traver. 2,441,778, May 18.
- Containers, Making box-like. G. D. Wierpert. 2,445,548, July 20.
- Containers, Method and apparatus for packing. R. Guyer. 2,437,952, Mar. 16.
- Containers, Pie. E. G. Victor. 2,452,969, Nov. 2.
- Continuous air gage. R. S. Fox and C. A. Whitney. 2,438,696, Mar. 30.
- Continuous film drier. A. E. Beguin. 2,448,854, Sept. 7.
- Continuous reading thermocouple temperature measuring device for rotary vessels. L. R. Chase and R. H. Dimick. 2,441,562, May 18.
- Continuous rotary filter. H. W. Denhard, F. W. Brittain, and A. G. Serpas. 2,446,746, Aug. 10.
- Continuous sediment separator. B. F. Harbison. 2,456,189, Dec. 14.
- Continuous vacuum filter. C. L. Porter. 2,435,235, Feb. 3.
- Contour forming machine having a pivoted bender with metal blank attached. C. J. Bath. 2,444,718, July 6.
- Contour of a wire drawing die, Working the die hole. W. Rybicki. 2,452,155, Oct. 26.
- Contour transfer device. E. E. Greenwell. 2,445,324, July 20.
- Control. C. F. Kettering and A. W. Fischer. 2,456,198, Dec. 14.
- Control. G. C. Pearce. 2,448,273, Aug. 31.
- Control and ignition system for fuel burners, Safety. C. K. Strobel. 2,452,336, Oct. 26.
- Control and/or measuring system, Electrical. G. H. Fritzinger. 2,456,499, Dec. 14.
- Control and pipe-cleaning apparatus, Beer. M. J. Zwosta. 2,443,550, June 15.
- Control and signaling device, Thermostatic. G. W. Crise. 2,448,776, Sept. 7.
- Control apparatus. S. Aamot. 2,448,852, Sept. 7.
- Control apparatus. H. S. Ackerman. 2,449,538, Sept. 21.
- Control apparatus. A. E. Baak. 2,454,588, Nov. 23.
- Control apparatus. C. E. Baston. 2,437,991, Mar. 16.
- Control apparatus. D. M. Borden. 2,455,292, Nov. 30.
- Control apparatus. O. N. Bryant. 2,440,844, May 4.
- Control apparatus. M. E. Chandler. Re. 22,984, Mar. 16.
- Control apparatus. R. D. Cowherd. 2,451,073, Oct. 12.
- Control apparatus. E. G. Erson. 2,438,390, Mar. 23.
- Control apparatus. L. A. Griffith. 2,447,331, Aug. 17.
- Control apparatus. E. E. Hewitt and A. G. Larson. 2,454,509, Nov. 23.
- Control apparatus. C. S. Kelley. 2,444,260, June 29.
- Control apparatus. L. F. Littwin. 2,445,681, July 20.
- Control apparatus. E. C. Strong and L. M. Clark. 2,438,352, Mar. 23.
- Control apparatus. R. T. Whitney. 2,438,427, Mar. 23.
- Control apparatus and bracket therefor. H. A. Rowe. 2,440,977, May 4.
- Control apparatus, Automatic condensation. J. F. Stephans. 2,455,320, Nov. 30.
- Control apparatus, Brake. W. F. Penrose. 2,454,291, Nov. 23.
- Control apparatus, Electrical. A. E. Dodd. 2,436,293, Feb. 17.
- Control apparatus, Failure indicating. H. A. Clarke. 2,457,794, Dec. 28.
- Control apparatus for a plurality of motors. H. C. May. 2,447,707, Aug. 24.
- Control apparatus for combustion engines. M. E. Chandler. 2,442,399, June 1.
- Control apparatus for forced drainage. D. R. Werner. 2,454,536, Nov. 23.
- Control apparatus for internal-combustion engines. M. E. Chandler. 2,450,826, Oct. 5.
- Control apparatus for internal-combustion engines. S. W. Gilbert. 2,446,469, Aug. 3.
- Control apparatus for internal-combustion engines. L. Lee, II. 2,442,049, May 25.
- Control apparatus for internal combustion engines. L. Lee, II. 2,442,419, June 1.
- Control apparatus for internal combustion engines. L. Lee, II. 2,442,954, June 8.
- Control apparatus for internal-combustion engines. L. Lee, II. 2,446,335, Aug. 3.
- Control apparatus for internal-combustion engines. L. Lee, II. 2,450,834, Oct. 5.
- Control apparatus for internal-combustion engines. L. Lee, II. 2,453,328-9, Nov. 9.
- Control apparatus for internal-combustion engines. L. Lee, II. 2,455,308, Nov. 30.
- Control apparatus for internal-combustion engines. D. E. Lipfert. 2,442,421, June 1.
- Control apparatus for molding presses. J. A. Tauber and H. A. Heiligman. 2,455,823, Dec. 7.

- Control apparatus for motors, Electronic. S. G. Isserstedt. 2,435,966, Feb. 17.
- Control apparatus for plural motor propulsion systems. A. G. Larson. 2,457,568, Dec. 28.
- Control apparatus for prime movers. R. R. Stevens. 2,457,610, Dec. 28.
- Control apparatus for radio-frequency bonding systems, Speed and frequency. C. P. Sweeny. 2,453,680, Nov. 9.
- Control apparatus for radio receivers. L. L. Royal. 2,450,918, Oct. 12.
- Control apparatus for reversible locomotives. A. G. Larson. 2,440,340, Apr. 27.
- Control apparatus, Fractionation. C. G. Gerhold. 2,456,398, Dec. 14.
- Control apparatus, Humidity. W. Rudoy. 2,452,685, Nov. 2.
- Control apparatus, Refrigerating. A. B. Newton. 2,453,584, Nov. 9.
- Control apparatus, Tuning. L. L. Royal. 2,453,268, Nov. 9.
- Control apparatus using levers, Inlet vane. H. A. Meyer. 2,435,091, Jan. 27.
- Control apparatus with vanes set at an angle, Inlet vane. H. A. Meyer. 2,435,092, Jan. 27.
- Control circuit. A. A. Macdonald. 2,454,191, Nov. 16.
- Control circuit. A. A. Macdonald. 2,456,970, Dec. 21.
- Control circuit. W. A. Ray. 2,434,433, Jan. 13.
- Control circuit. H. H. Wittenberg. 2,445,549, July 20.
- Control circuit for automatic weighing machines. E. J. Vagim. 2,451,891, Oct. 19.
- Control circuit for gas discharge. P. W. Stutsman. 2,436,835, Mar. 2.
- Control circuit for gas discharge tubes. J. H. England. 2,446,533, Aug. 10.
- Control circuit for indicating movements of position indicators, Electrical. J. R. Lindsay. 2,450,479, Oct. 5.
- Control circuit for relaxation oscillators. R. C. Moore. 2,443,922, June 22.
- Control circuit for signal recording and reproducing systems. S. J. Begun. 2,439,446, Apr. 13.
- Control circuits. A. Kennedy. 2,454,807, Nov. 30.
- Control circuits for electromagnetic chucks. F. D. Snyder. 2,445,459, July 20.
- Control circuits for high-frequency electronic converters. J. L. Boyer. 2,442,258, May 25.
- Control circuits for vacuum tubes. C. Volz. 2,439,680, Apr. 13.
- Control device. C. E. Baston. 2,434,538, Jan. 13.
- Control device. V. O. Beam. 2,455,350, Dec. 7.
- Control device. G. L. Beers. 2,441,233, May 11.
- Control device. J. L. De Barbieri and E. Kishner. 2,448,968, Sept. 7.
- Control device. C. G. Kronmiller. Re. 22,998, May 4.
- Control device. V. N. Schubel. 2,456,998, Dec. 21.
- Control device. H. A. Wheeler. 2,453,171, Nov. 9.
- Control device. J. M. Wilson. 2,448,502-3, Aug. 31.
- Control device, Adjustable. E. J. Casaroli. 2,445,602, July 20.
- Control device and system. H. A. Wheeler. 2,453,170, Nov. 9.
- Control device and system. H. A. Wheeler. 2,453,654, Nov. 9.
- Control device, Electromagnetic. O. C. Walley. 2,457,017, Dec. 21.
- Control device for a water treating device comprising a motor operated valve mechanism having an electrically connected time switch, Electrovolumetric. C. T. McGill and H. C. Rowe, Jr. 2,447,520, Aug. 24.
- Control device for airplanes. C. H. Zimmerman. 2,438,309, Mar. 23.
- Control device for cathode-ray focusing coils. J. H. Asling. 2,443,973, June 22.
- Control device for hydraulic steady-rest chucks. R. S. Adair. 2,451,705, Oct. 19.
- Control device for internal-combustion engines. M. Mennesson. 2,440,483, Apr. 27.
- Control device for rotary blade units. G. L. Kampa. 2,454,182, Nov. 16.
- Control device for storage batteries, Electrolyte level. J. Sandusky. 2,457,322, Dec. 28.
- Control device for submerged burners, Fuel. R. J. Stengl and F. B. Bedwell. 2,456,032, Dec. 14.
- Control device, Gearbox. G. Chausson. 2,434,735, Jan. 20.
- Control device indicator. D. B. Keim. 2,456,949, Dec. 21.
- Control device, Level responsive. H. A. Schlieder. 2,450,739, Oct. 5.
- Control device, Moisture. A. R. Sabin. 2,452,957, Nov. 2.
- Control device, Polarized electromagnetic. C. R. Mason. 2,454,973, Nov. 30.
- Control device responsive to airspeed, Flap. A. E. Baak. 2,448,167, Aug. 31.
- Control device, Switch. C. R. McCauley. 2,451,232, Oct. 12.
- Control fitting for liquefied petroleum gas tanks. J. R. Holicer. 2,449,119, Sept. 14.
- Control flap with fluid jets for aircraft. P. E. Mercier. 2,453,721, Nov. 16.
- Control for airplanes. C. R. Jamison. 2,455,584, Dec. 7.
- Control for alternating current motors. E. W. Seeger and N. L. Schmitz. 2,456,538, Dec. 14.
- Control for automatic clothes washing machines. J. B. Dyer. 2,434,199, Jan. 6.
- Control for Axminster looms, Driving. C. R. Kronoff and V. F. Sepavich. 2,455,502-4, Dec. 7.
- Control for barrel stencilling machines. J. E. Roblec. 2,439,949, Apr. 20.
- Control for boring mills. O. E. Schurr. 2,445,498, July 20.
- Control for change speed drive mechanism. F. R. McFarland. 2,441,712, May 18.
- Control for electric ovens. R. R. Candor. 2,435,530, Feb. 3.
- Control for electric track switches. R. C. Sutton. 2,441,340, May 11.
- Control for electric work and feed motors. G. E. King. 2,441,155, May 11.
- Control for engine cooling blowers. J. G. Lee. 2,454,324, Nov. 23.
- Control for gaseous fuel burners, Safety. W. F. Jackson and T. H. Jeffers. Re. 22,987, Mar. 16.
- Control for gaseous fuel burners, Safety. H. W. Rice and G. B. Solovieff. 2,455,521, Dec. 7.
- Control for internal-combustion engines. F. C. Mock. 2,453,651, Nov. 9.
- Control for internal-combustion heaters, Air pressure responsive. W. A. Marshall, Jr., and J. H. Leslie, II. 2,451,625, Oct. 19.
- Control for jet propelled rotors, Automatic. W. Dalton. 2,446,129, July 27.
- Control for machine tools. H. M. Griffin. 2,437,813, Mar. 16.
- Control for motor boats and the like. O. L. and E. F. Allen. 2,444,324, June 29.
- Control for motor-driven apparatus. J. M. Newman. 2,452,257, Oct. 26.
- Control for oil burners, Smoke responsive. J. A. Logan. 2,441,025, May 4.
- Control for plural retractable fuel burners. H. C. Mitten-dorf. 2,439,609, Apr. 13.
- Control for pressure operated switches. E. J. Frank and C. S. Keller. 2,437,086, Mar. 2.
- Control for prime movers, Governor. W. J. Whitehead. 2,452,088, Oct. 26.
- Control for printing presses and other motor-driven machines. W. H. Elliot and C. P. Feldhausen. 2,444,180, June 29.
- Control for printing presses and the like, Electronic motor. W. H. Elliot. 2,448,256, Aug. 31.
- Control for reciprocating pumps, Stroke. W. B. Crofton. 2,435,711, Feb. 10.
- Control for stopping looms. J. M. Godreau. 2,452,648, Nov. 2.
- Control gap for spark spectroscopes, Stabilized. J. H. Enns. 2,456,116, Dec. 14.
- Control grid adjusting method and apparatus. P. C. Smith and F. E. Runge. 2,436,675, Feb. 24.
- Control grid for electric discharge devices and making same. A. R. Koch. 2,455,868, Dec. 7.
- Control instrument. A. H. Jordan. 2,435,281, Feb. 3.
- Control instrument. A. H. Jordan. 2,451,439, Oct. 12.
- Control instrument, Automatic. N. C. Williams and R. W. Fishwood. 2,451,139, Oct. 12.
- Control knob and associated structure. T. G. Aitcheson. 2,444,485, July 6.
- Control lever mechanism. L. S. Snell. 2,454,485, Nov. 23.
- Control means for air conditioning apparatus. H. O. Kirkpatrick. 2,455,421, Dec. 7.
- Control means for an automatic pilot, Turn. J. C. Newton and P. Halpert. 2,450,907, Oct. 12.
- Control means for calendar rolls, Temperature. Le R. Baby. 2,435,959, Feb. 17.
- Control means for cupola furnaces. W. A. O'Brien. 2,443,960, June 22.
- Control means for Diesel-electric locomotives. J. E. Justus. 2,434,413, Jan. 13.
- Control means for highway crossing signals, Directional. J. A. Quinlan. 2,452,868, Nov. 2.
- Control means for maintaining constant temperature of liquids. E. E. Bergman. 2,444,416, July 6.
- Control means for motor-driven letoffs. A. Palmer and V. F. Sepavich. 2,450,485, Oct. 5.
- Control means for plural stage refrigerating system. A. B. Newton. 2,434,221, Jan. 6.
- Control means for portable electric tools. R. Happe. 2,441,096, May 4.
- Control means for variable-pitch propellers. H. Obrist. 2,441,538, May 18.
- Control means, Frequency. R. H. Ranger. 2,452,601, Nov. 2.
- Control means responsive to movements of a refrigerator door, Humidity. J. J. Bauman. 2,450,823, Oct. 5.
- Control mechanism. J. A. Campbell, J. B. Hull, and R. R. Stevens. 2,444,244, June 29.
- Control mechanism. E. K. Clark. 2,439,842, Apr. 20.
- Control mechanism. E. R. Fitch. 2,438,658, Mar. 30.
- Control mechanism. P. R. Gley. 2,440,083, Apr. 20.
- Control mechanism. L. D. Jennings and J. Naymik. 2,447,651, Aug. 24.
- Control mechanism. H. G. Shakespeare and W. R. Gerry. 2,449,516, Sept. 14.
- Control mechanism, Clock. H. N. Deane. 2,447,798, Aug. 24.
- Control mechanism, Clutch. E. R. Price. 2,450,161, Sept. 28.
- Control mechanism, Compressor. W. A. Wineman. 2,454,363, Nov. 23.

- Control mechanism, Dump body. A. Reichman. 2,440,559, Apr. 27.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,441,264, May 11.
- Control mechanism, Fluid pressure. F. F. Rohrer, Jr. 2,438,683, Mar. 30.
- Control mechanism, Fluid pressure. S. Vorech. 2,455,030, Nov. 30.
- Control mechanism for a plurality of motors. P. L. Loewe. 2,448,675, Sept. 7.
- Control mechanism for automatic pilot, Auxiliary. P. G. Holt. 2,437,256, Mar. 9.
- Control mechanism for electric motors, Speed. W. L. Hansen and I. N. Hurst. 2,456,701, Dec. 21.
- Control mechanism for guns, Fire. J. Harrington, Jr. 2,450,551, Oct. 5.
- Control mechanism for hydraulic classifiers, Valve. R. O. Stokes. 2,457,412, Dec. 28.
- Control mechanism for meat tendering apparatus, Switch. H. Stukart. 2,452,403, Oct. 26.
- Control mechanism for model airplanes. J. K. Shannon. 2,457,281, Dec. 28.
- Control mechanism for model airplanes, Stabilizing. I. H. Doyle. 2,454,593, Nov. 23.
- Control mechanism for power-operated guns. J. M. Ewart. 2,434,689, Jan. 20.
- Control mechanism for propulsion systems. H. C. May and R. R. Stevens. 2,433,916, Jan. 6.
- Control mechanism for radio receivers, Tuning. W. E. Newman. 2,453,252, Nov. 9.
- Control mechanism for related control of operated mechanisms. C. A. Arens. 2,439,356, Apr. 6.
- Control mechanism, Gun. J. P. Lidal and M. M. Berry. 2,454,071, Nov. 16.
- Control mechanism, Hydraulic. A. E. Kremiller. 2,456,712, Dec. 21.
- Control mechanism, Machine gun firing rate. W. T. Golden. 2,448,024, Aug. 31.
- Control mechanism, Motor and clutch. J. L. Moody. 2,456,980, Dec. 21.
- Control mechanism, Pressure-regulating. N. C. Price. 2,456,215, Dec. 14.
- Control mechanism, Selective single. F. H. Barger. 2,454,122, Nov. 16.
- Control mechanism, Speed. L. De Marco. 2,454,914, Nov. 30.
- Control mechanism, Transmission. K. M. Armantrout. 2,438,691, Mar. 30.
- Control mechanism, Tuning. F. W. Frink and M. Kaplan. 2,454,789, Nov. 30.
- Control mechanism, Tuning. W. M. Hurst. 2,457,374, Dec. 28.
- Control, Multiple. H. F. Clark. 2,451,535, Oct. 19.
- Control of alternating current motors. R. B. Hunter. 2,455,491, Dec. 7.
- Control of contrast with aromatic diamine color developers. F. W. H. Mueller. 2,454,001, Nov. 16.
- Control of convertible evaporator-condensers for use in refrigerative circuits. K. P. Groat. 2,451,385, Oct. 12.
- Control of insects. W. F. Hester. 2,435,274, Feb. 3.
- Control of reflections in transmission lines. J. L. Lawson. 2,435,788, Feb. 10.
- Control of rotating wing aircraft. C. F. Hodson. 2,439,089, Apr. 6.
- Control of selectors over communication channels by storage controlled transmitters. W. M. Bacon. 2,455,724, Dec. 7.
- Control of swaging temperatures. J. H. Green. 2,438,160, Mar. 23.
- Control of temperature in regeneration of solid hydrocarbon conversion catalysts. R. E. Vinyard, W. W. Roach, and B. Skinner. 2,454,901, Nov. 30.
- Control of vaporizable material. W. S. Frohock. 2,456,396, Dec. 14.
- Control packer. P. B. Clark. 2,442,529, June 1.
- Control panel. J. M. Wilson. 2,439,326, Apr. 6.
- Control, Quadrant. L. Spraragen. 2,447,469, Aug. 17.
- Control station. E. J. Panish. 2,442,509, June 1.
- Control structure. K. O. Kearney. 2,435,716, Feb. 10.
- Control structure, Selective hydraulic. E. W. Austin. 2,449,269, Sept. 14.
- Control surface cover. G. D. Symer. 2,441,087, May 4.
- Control surfaces with beveled trailing edge. R. T. Jones. 2,441,151, May 11.
- Control switch assembly. A. and J. Hollins. 2,454,873, Nov. 30.
- Control switch for discharge lamps. W. M. Johnson and L. W. Cook. 2,434,768, Jan. 20.
- Control syringe. L. B. Stallcup. 2,449,678, Sept. 21.
- Control system, Burner. W. A. Ray. 2,456,147, Dec. 14.
- Control system. E. M. Callender and R. S. Phair. 2,446,125, July 27.
- Control system. F. E. Crever. 2,444,248, June 29.
- Control system. W. H. Cuttino and M. E. Horn. 2,443,653, June 22.
- Control system. B. E. Del Mar. 2,451,280, Oct. 12.
- Control system. W. A. Derr. 2,445,422, July 20.
- Control system. W. F. Eames. 2,447,935, Aug. 24.
- Control system. M. A. Edwards. 2,443,028, June 8.
- Control system. E. W. Fitch. 2,441,405, May 11.
- Control system. O. C. Frederick. 2,452,365, Oct. 26.
- Control system. E. L. Harder. 2,454,164, Nov. 16.
- Control system. H. B. Holthouse, Jr. 2,433,846, Jan. 6.
- Control system. L. U. C. Kelling. 2,444,261, June 29.
- Control system. T. P. Kinn and D. R. Tashjian. 2,438,009, Mar. 16.
- Control system. O. Maag. 2,442,819, June 8.
- Control system. S. J. Murcek. 2,438,017, Mar. 16.
- Control system. W. M. Pickslay. 2,450,159, Sept. 28.
- Control system. M. E. Reagan and W. A. Derr. 2,451,976, Oct. 19.
- Control system. D. E. Renshaw. 2,451,977, Oct. 19.
- Control system. G. E. Stoltz. 2,454,232, Nov. 16.
- Control system. R. R. Thalner. 2,451,640, Oct. 19.
- Control system and apparatus. A. E. Baak. 2,447,388, Aug. 17.
- Control system, Antihunt electrical. T. R. Harrison and L. B. Cherry. 2,442,329, May 25.
- Control system, apparatus, and the elimination of ice from an aircraft. M. L. Taylor, W. B. Pond, and H. A. Eayrs. 2,444,208, June 29.
- Control system, Automatic. R. Penn. 2,437,551, Mar. 9.
- Control system, Automatic frequency. E. T. Jaynes. 2,454,265, Nov. 16.
- Control system, Compressor. A. E. Baak. 2,454,424, Nov. 23.
- Control system, Drilling. W. S. Crake. 2,455,917, Dec. 14.
- Control system, Electric vehicle. A. H. Candee. 2,447,633, Aug. 24.
- Control system, Electrical. H. H. Curry. 2,454,778, Nov. 30.
- Control system, Electrical. G. C. Pearce. 2,451,576, Oct. 19.
- Control system, Electrical. E. J. Vogt. 2,455,029, Nov. 30.
- Control system, Electrical. W. G. Wamsley. 2,457,333, Dec. 28.
- Control system, Electronic. S. D. Eilenberger. 2,435,880, Feb. 10.
- Control system, Electronic. J. H. Wyman. 2,451,898, Oct. 19.
- Control system, Electronic direct-current. E. J. Jackson. 2,456,420, Dec. 14.
- Control system, Electronic timing. G. E. Undy. 2,451,997, Oct. 19.
- Control system, Elevator. G. Watson, W. H. Bruns, and H. E. Galanty. 2,452,342, Oct. 26.
- Control system for aircraft, Automatic. R. H. Nisbet and A. P. Glenny. 2,439,750, Apr. 13.
- Control system for aircraft landing gear and landing flaps, Remote. P. R. Murray. 2,449,084, Sept. 14.
- Control system for aircraft turbosuperchargers. F. E. Crever. 2,454,038, Nov. 16.
- Control system for airplanes. T. D. Tyra. 2,445,343, July 20.
- Control system for airplanes, Hydraulic. W. A. Ray. 2,455,948, Dec. 14.
- Control system for airports, Lighting. J. P. Houck. 2,449,480, Sept. 14.
- Control system for blast furnace air. J. P. Vollrath. 2,448,199, Aug. 31.
- Control system for control surfaces and wheel brakes, Aircraft. E. B. Todd. 2,457,508, Dec. 28.
- Control system for dispensing apparatus, Selective. P. M. Farmer. 2,446,643, Aug. 10.
- Control system for electric motors. A. F. Kenyon and W. R. Harding. 2,451,957, Oct. 19.
- Control system for electric reel motors, Torque. A. F. Kenyon. 2,447,654, Aug. 24.
- Control system for engine generator units. D. R. Staples and J. J. Stamm. 2,448,284, Aug. 31.
- Control system for feeding fuel to furnaces. P. S. Dickey. 2,439,721, Apr. 13.
- Control system for fuel burners, Safety. C. K. Strobel. 2,454,848, Nov. 30.
- Control system for high altitude pressure suits, Automatic. H. L. Burns. 2,449,548, Sept. 21.
- Control system for multiple hydraulic hoists. E. J. Hrdlicka, Jr. 2,445,781, July 27.
- Control system for multiprogram projectors. R. C. Engelsen. 2,434,201, Jan. 6.
- Control system for oscillators, Keying. H. F. Storm and E. W. Hutton. 2,451,887, Oct. 19.
- Control system for paper machine drives. R. R. Baker and W. R. Harris. 2,445,416, July 20.
- Control system for reel motors. B. J. Auburn. 2,451,901, Oct. 19.
- Control system for synchronous machines. L. A. Kilgore and S. L. Lindebeck. 2,451,958, Oct. 19.
- Control system for target aircraft. C. L. Paulus and H. A. Klein. 2,452,599, Nov. 2.
- Control system for transmission mechanisms. C. D. Peterson and A. H. Deimel. 2,454,614, Nov. 23.
- Control system for valves, Motor reversing. E. P. Smith. 2,451,989, Oct. 19.
- Control system for vapor electric devices, Excitation. J. H. Cox. 2,447,638, Aug. 24.
- Control system for variable-speed alternating-current motors. K. Mahnke and J. W. York. 2,448,040, Aug. 31.
- Control system for vehicles, with multiple current source. D. E. Renshaw and H. C. Krapf. 2,434,585, Jan. 13.
- Control system, Frequency. E. L. Ginzton. 2,434,294, Jan. 13.
- Control system, Fully automatic desurfacing. J. H. Bucknam. 2,448,657, Sept. 7.
- Control system, Generator. A. H. Lamb. 2,456,199, Dec. 14.

- Control system having interconnected deflecting coil and accelerating electrode, Television tube. O. H. Schade. 2,440,787, May 4.
- Control system, Heat storage. C. M. Osterheld. 2,450,983, Oct. 12.
- Control system, Heating and ignition. H. B. Holthouse. 2,435,277, Feb. 3.
- Control system, Matched potential. G. Deakin. 2,454,781, Nov. 30.
- Control system, Oscillograph trace. A. D. Smith, Jr., and H. E. Guthman. 2,448,059, Aug. 31.
- Control system, Pantograph and motor. W. M. Hutchison. 2,438,301, Feb. 17.
- Control system, Power boost. D. R. Webb. 2,451,263, Oct. 12.
- Control system, Power drive. G. T. Randol. 2,434,717, Jan. 20.
- Control system, Preselective power drive. G. T. Randol. 2,434,051, Jan. 6.
- Control system, Pulse shaping. R. Lee and P. A. Duffy, Jr. 2,456,960, Dec. 21.
- Control system, Radar. R. C. Sanders, Jr. 2,450,991, Oct. 12.
- Control system, Radar. R. C. Sanders, Jr. 2,454,009, Nov. 16.
- Control system, Refrigeration. A. B. Hubbard. 2,453,439, Nov. 9.
- Control system, Relay. G. G. Roberts. 2,457,730, Dec. 28.
- Control system, Relay. J. H. Tedder. 2,453,281, Nov. 9.
- Control system, Rematching relay. E. Mittelmann. 2,441,435, May 11.
- Control system, Remote. G. F. Drake. 2,440,255, Apr. 27.
- Control system, Remote. L. V. Lewis. 2,437,326, Mar. 9.
- Control system responsive to an average value, Gain. H. E. Haynes. 2,454,169, Nov. 16.
- Control system, Searchlight. D. A. Youngson and R. E. Matthews. 2,453,175, Nov. 9.
- Control system, Single-phase induction-motor. H. B. Fuge. 2,454,968, Nov. 30.
- Control system, Stand-by. B. S. Weaver. 2,435,063, Jan. 27.
- Control system, Supercharger. W. E. Johnson. 2,451,835, Oct. 19.
- Control system, Telephone register. G. Deakin. 2,447,494, Aug. 24.
- Control system, Traffic signal. J. O'D. Shepherd. 2,451,457, Oct. 12.
- Control system, Welding. R. W. Price. 2,442,017, May 25.
- Control system with current compensation, Weld. H. D. Van Sciver, II. 2,434,132, Jan. 6.
- Control systems for adjusting the incidence of the blades of the rotor of a rotary-wing aircraft. J. Wotton. 2,445,550, July 20.
- Control systems for synchronous motors. L. Freinkel. 2,449,065, Sept. 14.
- Control unit. C. A. Arens. 2,448,696, Sept. 7.
- Control unit for welders. E. O. Courtemanche. 2,434,350, Jan. 13.
- Control unit, Oil temperature. W. Worth. 2,453,737, Nov. 16.
- Control unit, Power. W. G. Houston. 2,451,621, Oct. 19.
- Control unit, Synchronized. R. W. Kerr. 2,439,393, Apr. 13.
- Control unit, Vehicle. W. J. Turnbull. 2,448,129, Aug. 31.
- Control valve. C. V. Gagen. 2,452,647, Nov. 2.
- Control valve. C. H. Gilbert. 2,440,942, May 4.
- Control valve. J. H. Leslie, II. 2,446,051, July 27.
- Control valve and vibrating flow indicator. G. H. Palm. 2,445,887, July 27.
- Control valve apparatus. G. T. McClure and J. W. Rush. 2,457,584, Dec. 28.
- Control valve device. G. T. McClure and J. W. Rush. 2,454,469, Nov. 23.
- Control valve device. A. A. Steinmiller. 2,438,423, Mar. 23.
- Control valve device, Duplex. H. C. May. 2,450,481, Oct. 5.
- Control valve means for power-operated hydraulic motive means. M. V. Groves. 2,451,335, Oct. 12.
- Control valve mechanism. W. A. Eaton. 2,450,275, Sept. 28.
- Control valve unit for welding apparatus. H. T. Platz. 2,436,760, Feb. 24.
- Control voltage means in pulse receiver. B. M. Oliver. 2,451,632, Oct. 19.
- Control with coordinated sequence checking device, Automatic group. D. W. Rubidge. 2,442,987, June 8.
- Controlled fractional distillation of petroleum. P. Docksey. 2,453,205, Nov. 9.
- Controlled humidity refrigerator. M. G. Shoemaker. 2,449,824, Sept. 21.
- Controlled ventilated container. I. Hill. 2,453,574, Nov. 9.
- Controller. G. E. King. 2,436,308, Feb. 17.
- Controller. J. H. Smoot. 2,439,699, Apr. 13.
- Controller affording automatic stopping of motor-driven machinery. J. L. Defandorf and V. S. Sywulka. 2,440,849, May 4.
- Controller, Air volume. C. G. Roper. 2,439,673, Apr. 13.
- Controller, Averaging. R. A. Lingen and L. E. Cross. 2,440,052, Apr. 20.
- Controller device, Pressure responsive. A. W. Meston. 2,446,546, Aug. 10.
- Controller for alternating-current motors. R. P. Anderson. 2,436,413, Feb. 24.
- Controller for domestic appliances, Time and temperature. R. R. Candor. 2,451,069, Oct. 12.
- Controller for electric motors. R. R. Ranson. 2,438,647, Mar. 30.
- Controller for motor-driven printing presses and other machines. C. P. Feldhausen and R. M. Lommen. 2,438,276, Mar. 23.
- Controller for towing winches and other machines. E. U. Lassen and A. A. Johnson. 2,447,074, Aug. 17.
- Controller, Hot-wire bridge overspeed. G. L. Borell. 2,456,765, Dec. 21.
- Controller, Program. A. H. De Moss. 2,436,714, Feb. 24.
- Controller reset, Flow. W. J. Hughes. 2,451,029, Oct. 12.
- Controlling apparatus, Electric. S. Steinitz. 2,453,470, Nov. 9.
- Controlling means, especially for doors. F. Amiot. 2,457,625, Dec. 28.
- Controlling means, Gyroscopic. R. S. Curry, Jr., A. W. Lane, and S. E. Woodbury. 2,456,619, Dec. 21.
- Controlling mechanism. M. J. Smith. 2,454,578, Nov. 23.
- Controlling mechanism for sand traps. F. E. Saari and G. V. W. Roth. 2,454,215, Nov. 16.
- Controlling the flushing of urinals. J. H. Derby. 2,438,207, Mar. 23.
- Controlling the growth and fattening rate of livestock and poultry and composition used in connection therewith. C. W. Turner and E. P. Reineke. 2,438,353, Mar. 23.
- Controlling the temperature of gases. F. B. Halford. 2,438,998, Apr. 6.
- Controlling the viscosity and flow of fluids. C. C. Higgins. 2,434,793, Jan. 20.
- Controllers, Input. J. Morton. 2,447,356, Aug. 17.
- Controls and systems for defrosting cooling units of refrigerating machines. L. A. Dickens. 2,446,910, Aug. 10.
- Conversion apparatus, Frequency. W. W. Hansen and R. H. Varian. 2,452,048, Oct. 26.
- Conversion apparatus, Hydraulic torque. D. L. Butow. 2,452,290, Oct. 26.
- Convection current responsive instrument. V. K. Zworykin. 2,440,189, Apr. 20.
- Conversion of alicyclic aldehydes. H. D. Finch, S. A. Ballard, and T. W. Evans. 2,454,047, Nov. 16.
- Conversion of dimethyl ether. E. and M. H. Gorin. 2,456,584, Dec. 14.
- Conversion of fluid hydrocarbons, Method and apparatus for. G. L. Johnson. 2,444,258, June 29.
- Conversion of fluid hydrocarbons, Method and apparatus for. E. Utterback. 2,438,261, Mar. 23.
- Conversion of hydrocarbon gases. E. W. S. Nicholson and A. K. Redcay. 2,436,595, Feb. 24.
- Conversion of hydrocarbon oils. A. Voorhies, Jr. 2,449,027, Sept. 7.
- Conversion of hydrocarbons. H. S. Bloch and R. E. Schaad. 2,456,672, Dec. 21.
- Conversion of hydrocarbons. R. C. Hansford and A. N. Sachanen. 2,436,257, Feb. 17.
- Conversion of hydrocarbons. F. W. Leffer. 2,456,715, Dec. 21.
- Conversion of hydrocarbons. T. W. Nelson, H. D. Noll, and T. P. Simpson. 2,442,276, May 25.
- Conversion of hydrocarbons in the presence of a catalyst and calcium oxide together with steam and/or carbon dioxide. M. M. Marlic. 2,456,072, Dec. 14.
- Conversion of hydrocarbons in the presence of a catalyst comprising alumina and an oxyfluoride of beryllium, titanium or zirconium. S. M. Darling. 2,449,061, Sept. 14.
- Conversion of hydrocarbons, Method and apparatus for. T. P. Simpson, R. Lee, and F. E. Ray. 2,439,348, Apr. 6.
- Conversion of saturated aliphatic carboxylic amides to nitriles. W. F. Gresham. 2,439,426, Apr. 13.
- Conversion process for heavy hydrocarbons. P. C. Keith. 2,445,328, July 20.
- Conversion system, Powdered catalyst. V. Voorhees. 2,446,678, Aug. 10.
- Converter, Fluid-cooled current. H. Mees. 2,454,665, Nov. 23.
- Converter for ignition systems. J. T. Osterman. 2,454,714, Nov. 23.
- Converter for suction cleaners. D. C. Gerber. 2,450,828, Oct. 5.
- Converter for suction cleaners. H. B. White. 2,450,846, Oct. 5.
- Converter mechanism, Motion. C. R. Sacchini and L. N. Vandervoort. 2,450,692, Oct. 5.
- Converter, Mercury-vapor electric. R. Neirynek. 2,455,602, Dec. 7.
- Converter, Power. N. E. Lindenblad. 2,449,077, Sept. 14.
- Converter, Reciprocating. V. de Filgúe. 2,448,298, Aug. 31.
- Converter, Ultra high frequency triode. E. W. Herold and D. O. North. 2,435,541, Feb. 3.
- Convertible four-way child's chair. R. G. Schneider. 2,440,979, May 4.
- Convertible space saving table. A. Wayne. 2,440,131, Apr. 20.
- Convertible table. N. P. Schreiner. 2,446,491, Aug. 3.

- Converting lactic acid to polylactic acid, Continuous process of. E. M. Filachione and C. H. Fisher. 2,438,208, Mar. 23.
- Conveyance of fluent materials. J. R. Locker. 2,457,387, Dec. 28.
- Conveyor: *See*—
- Match comb handling conveyor. Pivoted lug conveyor.
- Conveyor. R. A. Bradley. 2,445,469, July 20.
- Conveyor. L. Cieslak. 2,449,278, Sept. 14.
- Conveyor. B. Henricksen. 2,449,117, Sept. 14.
- Conveyor. W. J. Leithmann, Jr., and A. O. Hurxthal. 2,446,936, Aug. 10.
- Conveyor. V. A. Rayburn and D. C. Robson. 2,451,975, Oct. 19.
- Conveyor. L. C. Zimmermann. 2,454,023, Nov. 16.
- Conveyor, Adaptable. L. A. Graf. 2,446,472, Aug. 3.
- Conveyor attachment for dump trucks, Power-driven. J. W. Birch. 2,451,656, Oct. 19.
- Conveyor bucket, Self-tipping. G. H. Johnson. 2,452,243, Oct. 26.
- Conveyor chain. J. L. Clarkson. 2,450,501, Oct. 5.
- Conveyor chain. J. A. Crowley, Jr., and W. D. MacGeorge. 2,444,812, July 6.
- Conveyor, Document. B. F. Terry. 2,443,281, June 15.
- Conveyor, Extensible. L. A. Mapes. 2,445,960, July 27.
- Conveyor for coal and the like, Endless-type. E. Williams. 2,451,424, Oct. 12.
- Conveyor for fruit grading machines, Endless. McS. Lupton. 2,449,611, Sept. 21.
- Conveyor for transporting pottery molds. W. J. Miller and A. J. Reek. 2,437,702, Mar. 16.
- Conveyor gripper member for can bodies. E. Laxo. 2,455,127, Nov. 30.
- Conveyor, including movable cut-off and culling means in its feed structure, Endless. P. V. Whitney. 2,456,760, Dec. 21.
- Conveyor, Lateral bend power-driven. F. Stadelman. 2,446,890, Aug. 10.
- Conveyor mechanism, Article arranging and advancing. W. P. Spain. 2,456,031, Dec. 14.
- Conveyor mechanism for propelling timbers. R. D. Moon. 2,445,149, July 13.
- Conveyor mechanism, Overhead. N. M. Sullivan. 2,456,224, Dec. 14.
- Conveyor, Pusher. C. H. Petskeyes. 2,443,010, June 8.
- Conveyor, Screw. C. H. Anderson. 2,443,288, June 15.
- Conveyor, Shielded electrified. C. E. Barner. 2,443,371, June 15.
- Conveyor, Shuffle. D. C. Campion, Sr. 2,447,393, Aug. 17.
- Conveyor switch. W. S. Jennings and W. Rowland. 2,445,950, July 27.
- Conveyor switch. J. R. Sebastian. 2,457,408, Dec. 28.
- Conveyor system. F. E. Jones. 2,447,072, Aug. 17.
- Conveyor to fish canning machine. R. E. J. Nordquist. 2,454,831, Nov. 30.
- Conveyor, Vibratory. H. H. Hittson. 2,444,134, June 29.
- Conveyor, Wagon-box. G. J. Recker. 2,434,718, Jan. 20.
- Conveying and screening machine, Material. R. B. Dennis. 2,436,795, Mar. 2.
- Conveying chips or other loose material, System for. S. Reibel. 2,434,435, Jan. 13.
- Conveying means for dry printing machines. F. O. Trump. 2,457,753, Dec. 28.
- Conveying mechanism. G. S. Boylan. 2,434,345, Jan. 13.
- Conveying mechanism. E. B. Marsden. 2,441,100, May 4.
- Conveying mechanism. E. Martin. 2,449,240, Sept. 14.
- Conveying mechanism for billet heating furnaces. D. P. Anderson and S. Kneass, Jr. 2,451,053, Oct. 12.
- Conveying mechanism for harvesters. A. R. Wurtele. 2,435,334, Feb. 3.
- Conveying mechanism for harvesting machines, Hertzler, Ralph S., Elverson, Pa. 2,438,500, Mar. 30.
- Conveyor. S. Eggleston. 2,434,760, Jan. 20.
- Conveyor. P. V. Whitney. 2,438,083, Mar. 16.
- Conveyor and discharge mechanism for parquet flooring blocks. A. Klammt and G. W. Kretzschmar. 2,441,323, May 11.
- Conveyor and excavator, Combined. H. D. Jansen. 2,438,637, Mar. 30.
- Conveyor, Article impaling. F. Rottier. 2,441,083, May 4.
- Conveyor belt. B. M. Brooks. 2,443,947, June 22.
- Conveyor egg washing and drying machine. G. F. Hodson. 2,438,666, Mar. 30.
- Conveyor means for ironers, Vibratory. W. J. Asher. 2,433,975, Jan. 6.
- Conveyor of the endless belt type, Extensible. T. McCulloch. 2,436,657, Feb. 24.
- Conveyor, Shaker. W. W. Sloane. 2,434,127, Jan. 6.
- Conveyor slack take-up mechanism. S. M. Mercier. 2,438,068, Mar. 16.
- Conveyor slat securement. H. L. Cohen. 2,439,040, Apr. 6.
- Conveyor structure with pivoted buckets. H. W. Hapman. 2,435,498, Feb. 3.
- Conveyor support. L. R. L. Werner. 2,438,527, Mar. 30.
- Conveyor system, Monitored. J. W. Cameron. 2,441,469, May 11.
- Conveyor transfer mechanism for printing machines. V. J. Tenety. 2,442,102, May 25.
- Cooker. R. Groetchen. 2,438,699, Mar. 30.
- Cooker-cooler drive, Continuous. E. Bourland. 2,436,913, Mar. 2.
- Cooker, Electric. G. Klumpp. 2,434,166, Jan. 6.
- Cooker, Multiple purpose electric. F. Von Voigtlander. 2,442,253, May 25.
- Cooker, Pressure. W. A. Pledger. 2,452,790, Nov. 2.
- Cooker, Pressure. E. C. Sullivan. 2,440,128, Apr. 20.
- Cooker, Rotary. R. Groetchen. 2,449,937, Sept. 21.
- Cooker with thermostatic boiler control, Steam. C. C. Young and D. F. Troupe. 2,444,587, July 6.
- Cooking apparatus. M. J. Napier. 2,439,780, Apr. 13.
- Cooking device, Electrical. E. J. George. 2,448,215, Aug. 31.
- Cooking unit. C. P. Crawford. 2,454,993, Nov. 30.
- Cooking utensil combination. E. Kolehmainen and H. S. Baird. 2,449,129, Sept. 14.
- Cooking vessel with automatic pressure regulation. C. Ohlson. 2,446,605, Aug. 10.
- Coolant supplying mechanism for machine tools. M. R. Karge. 2,437,605, Mar. 9.
- Cooler: *See*—
- Car cooler. Hotbox cooler.
- Evaporative cooler. Liquid cooler.
- Cooler for bottled beverages, Forced air circulation. C. F. Munshower. 2,439,261, Apr. 6.
- Cooler for viscous liquids. S. K. Andersen. 2,449,922, Sept. 21.
- Cooling and lubricating bearings, Method and apparatus for. R. A. Burkhart and W. M. Finlayson. 2,438,385, Mar. 23.
- Cooling apparatus for treating cutting tools. A. L. Nelson. 2,445,294, July 13.
- Cooling apparatus, temperature control. R. C. Russell. 2,452,264, Oct. 26.
- Cooling by evaporation, Method and apparatus for. A. N. Frick. 2,437,156, Mar. 2.
- Cooling chamber having baffles for directing air over dried material. O. O. Kruse. 2,440,692, May 4.
- Cooling jacket and cylinder construction. T. L. Sherman. 2,457,183, Dec. 28.
- Cooling of electric machines. V. A. Hoover. 2,447,339, Aug. 17.
- Cooling produce by alternate dipping and draining, Method and apparatus for. F. J. McMichael. 2,454,704-6, Nov. 23.
- Cooling means for internal-combustion turbine wheels of jet propulsion engines. F. Whittle. 2,434,134, Jan. 6.
- Cooling means for rotary kiln nose rings. J. B. Gaffney. 2,434,845, Jan. 20.
- Cooling means, Shaft and bearing. W. H. Dailey, Jr., and E. A. Di Nucci. 2,439,127, Apr. 6.
- Cooling of fluids. R. C. Godfrey. 2,437,851, Mar. 16.
- Cooling of high-temperature bodies. P. G. Chevigny. 2,440,245, Apr. 27.
- Cooling system. G. Camilli and H. F. Miller. 2,440,930, May 4.
- Cooling system, Aircraft engine. J. G. Sawyer. 2,456,151, Dec. 14.
- Cooling system and apparatus, Engine. T. J. Bay. 2,446,995, Aug. 17.
- Cooling system, Dual engine vehicle. L. R. Buckendale. 2,448,014, Aug. 31.
- Cooling system for electric motors and hydraulic pumps. V. A. Hoover. 2,450,963, Oct. 12.
- Cooling system for internal-combustion engines. P. W. Bells. 2,449,110, Sept. 14.
- Cooling system for internal-combustion engines. P. Klotsch. 2,456,951, Dec. 21.
- Cooling system for internal-combustion engines. S. W. Rushmore. 2,443,518, June 15.
- Cooling system for portable motion-picture projectors. O. R. Nemeth. 2,449,713, Sept. 21.
- Cooling system, Liquid. J. I. Morrison. 2,448,453, Aug. 31.
- Cooling unit. D. L. Spender. 2,434,676, Jan. 20.
- Cooling unit for beverage serving assemblies. L. Weiss. 2,446,895, Aug. 10.
- Cooling unit for compartments, Removable. F. M. Jones. Re. 23,000, May 11.
- Cooling unit for refrigerator evaporators, Removable secondary. T. W. Rundell. 2,435,102, Jan. 27.
- Cop holder. R. V. Olson and B. A. Johnson. 2,448,457, Aug. 31.
- Copolymer compositions containing finely divided metal particles. P. K. Frolich and I. E. Lightbown. 2,441,945, May 25.
- Copolymer of a conjugated hydrocarbon diene and an acrylate of a cyclopentadienyl alcohol. D. T. Mowry and A. B. Craig. 2,454,743, Nov. 23.
- Copolymer of acrylate ester, acrylonitrile, and a diene-1,3. G. F. D'Alelio. 2,442,588, June 1.
- Copolymer of cyclohexyl alpha chloroacrylate and butadiene-1,3. A. M. Clifford. 2,456,382, Dec. 14.
- Copolymer of dichlorostyrene, butadiene-1,3 and piperylene. C. C. Clark. 2,439,076, Apr. 6.
- Copolymer of isopropenyl acetate, Resinous. W. O. Kenyon and C. C. Unruh. 2,448,531, Sept. 7.
- Copolymer of isopropenyl acetate and vinyl chloride. R. L. Hasche and E. M. McMahon. 2,453,317, Nov. 9.
- Copolymer of styrene with an ester of an unsaturated dicarboxylic acid and an hydroxy acid esterified with an unsaturated alcohol. J. L. Jones. 2,443,915, June 22.
- Copolymer of unsaturated alkyd resin. E. L. Kropp. 2,443,738, June 22.

- Copolymerization process. W. H. Lycan and H. L. Gerhart. 2,443,044, June 8.
- Copolymers comprising acrylonitrile and vinyl ethers and molecularly oriented articles composed thereof. G. F. D'Alelio. 2,436,204, Feb. 17.
- Copolymers of alkenyl arylphosphonates with methyl methacrylate. A. D. F. Toy. 2,453,168, Nov. 9.
- Copolymers of allyl esters of polybasic acid with saturated monohydric alcohol esters of unsaturated polycarboxylic acid. E. L. Kropa. 2,437,962, Mar. 16.
- Copolymers of alpha, beta-ethylenically unsaturated phosphonic acid derivatives. R. V. Lindsey, Jr. 2,439,214, Apr. 6.
- Copolymers of butadienes-1,3 and alpha aryl acrylonitriles. A. M. Clifford. 2,444,870, July 6.
- Copolymers of dialkenyl arylphosphonates with vinyl acetate. A. D. F. Toy. 2,453,167, Nov. 9.
- Copolymers of fumarodinitrile and alpha-substituted styrenes. R. B. Seymour. 2,439,226, Apr. 6.
- Copolymers of fumarodinitrile and styrenes. R. B. Seymour. 2,455,342, Nov. 30.
- Copolymers of halo allyl esters of carboxylic acids. A. M. Clifford. 2,443,703, Sept. 7.
- Copolymers of hydrocarbon dienes and acrylates of alpha-hydroxy-methylethano-9,10-dihydroanthracene. E. W. Gluesenkamp and A. B. Craig. 2,454,737, Nov. 23.
- Copolymers of iso-olefins with thiophene sulfones and making same. D. W. Young. 2,456,854, Dec. 14.
- Copolymers of isopropenyl toluene and acrylate and producing same. E. L. Kropa. 2,446,049, July 27.
- Copolymers of mixtures comprising allyl and methallyl ether esters. G. F. D'Alelio. 2,437,508, Mar. 9.
- Copolymers of monovinylphenoxthines and preparing the same. R. G. and L. W. Flowers. 2,449,528, Sept. 14.
- Copolymers of 1-acyloxy-1,3-butadienes and acrylonitrile. W. O. Kenyon and C. C. Unruh. 2,455,778, Dec. 7.
- Copolymers prepared from allylidenedihalides. L. M. Minsk and W. O. Kenyon. 2,443,167, June 8.
- Copolymers of styrene and a beta-cyanoacrylate. D. T. Mowry. 2,437,231, Mar. 2.
- Copolymers of tetraallylsilane. C. A. MacKenzie and J. B. Rust. 2,438,612, Mar. 30.
- Copolymers of 2,5-dimethyl-1,5-hexadiene and acrylic esters. P. O. Tawney. 2,452,700, Nov. 2.
- Copolymers of vinyl furane and alpha-alkyl acrylonitrile. A. M. Clifford. 2,444,807, July 6.
- Copper chromium, arsenic compound for wood preserving. W. McMahon. 2,438,511, Mar. 30.
- Copper complexes of dianisidine disazo dyes. J. F. Laucius and W. W. Williams. 2,437,699, Mar. 16.
- Copper containing disazo dyestuffs. A. Krebsner and W. Bossard. 2,438,754, Mar. 30.
- Copper fungicides and producing same. A. A. Nikitin. 2,456,727, Dec. 21.
- Copper oxide rectifier. R. H. Clapp. 2,449,453, Sept. 14.
- Copper oxide rectifier element. E. T. Casellini and L. Burns. 2,441,119, May 4.
- Copper, Separation of. M. Lichtenwalter. 2,440,612, Apr. 27.
- Copper solvent for diolefin extraction, Selective. L. K. Beach. 2,456,723, Dec. 21.
- Copper solvent for diolefin extraction, Selective. C. E. Morrell and M. W. Swaney. 2,456,722, Dec. 21.
- Copy holder. G. Flynn. 2,442,870, June 8.
- Copy holder. C. G. Hoover. 2,442,811, June 8.
- Copying machine. E. A. Cooke. 2,441,549, May 11.
- Copying machine with optical system. E. A. Cooke. 2,446,575, Aug. 10.
- Cord adjusting and storage device. G. W. Eypper. 2,449,464, Sept. 14.
- Cord, Electric. E. B. Feaster. 2,434,793, Jan. 20.
- Cord, Electrical appliance. J. F. Cavanagh. 2,446,907, Aug. 10.
- Cord equalizer for Venetian blinds. R. H. Wright. 2,438,101, Mar. 16.
- Cord handled bag. R. O. Slindee. 2,447,964, Aug. 24.
- Cord holder. G. Brown. 2,443,223, June 15.
- Cord holder. C. P. Krupp. 2,449,235, Sept. 14.
- Cord processing apparatus. R. E. Sollday and H. E. Riggs. 2,448,743, Sept. 7.
- Cord set and junction block therefor. G. B. Benander. 2,440,924, May 4.
- Cord springs to attachment plug caps, Connecting. A. Bellis. 2,450,369, Sept. 28.
- Cord support. F. E. Brown. 2,438,143, Mar. 23.
- Cord supporting device. W. Aab. 2,444,800, July 6.
- Cord treating device. C. D. Hullinger. 2,446,419, Aug. 3.
- Core and making, Laminated magnetic. J. A. Comstock. 2,451,202, Oct. 12.
- Core assembly. E. C. Jeter and R. Korpi. 2,442,568, June 1.
- Core box cutter. O. L. Miller. 2,445,918, July 27.
- Core construction, Laminated. L. M. Dolan. 2,448,785, Sept. 7.
- Core for closure frame trim elements. O. B. Merrill. 2,449,000, Sept. 7.
- Core for yarn or thread packages and making the same. J. E. A. Blanchet. Re. 23,046, Oct. 26.
- Core, Magnetic. C. G. Dunn. 2,456,461, Dec. 14.
- Core, Magnetic. G. G. Somerville. 2,456,459-60, Dec. 14.
- Core making machine. R. D. Baysinger and L. W. Fulton. 2,457,196, Dec. 28.
- Core manufacture. D. E. Whitehead. 2,435,858, Feb. 10.
- Core or mold and making same, Foundry. A. L. Rummelsburg. 2,448,624, Sept. 7.
- Core pin for molding valve stems. O. W. Hosking. 2,440,144, Apr. 20.
- Cork insert feeding device for crown cap assembly machines. J. W. Hoffecker, J. Wilson, and W. Nenstiehl. 2,435,689, Feb. 10.
- Corkscrew with point protector. G. Ippolito. 2,434,212, Jan. 6.
- Cork substitute and its production. E. C. Lathrop and S. I. Aronovsky. Re. 23,012, June 29.
- Cork substitute and its production. E. C. Lathrop and S. I. Aronovsky. 2,433,849, Jan. 6.
- Corn popper, Electric. A. F. Shafter. 2,441,941, May 18.
- Corn popping and dispensing apparatus. E. E. Zideck. 2,435,378, Feb. 3.
- Corn remover for cooked sweet corn. M. M. Wright. 2,447,301, Aug. 17.
- Corn steepwater, Treatment of. M. J. Thomas and R. F. Larson. 2,444,176, June 29.
- Corn syrup manufacture, Solid. W. R. Fetzer. 2,439,384, Apr. 13.
- Corner assembly and fastening means for knockdown counters and the like. J. Akslen. 2,437,235, Mar. 9.
- Corner piece structure. W. M. Krantz. 2,447,346-7, Aug. 17.
- Cornstalk lifting device. L. Hammon. 2,449,603, Sept. 21.
- Corona elimination in generator end-windings. J. S. Johnson. 2,436,306, Feb. 17.
- Correcting deviations in crossrails of machine tools, Method of and apparatus for. L. L. Hercik. 2,457,468, Dec. 28.
- Correction device for electronic function generators. M. L. Greenough. 2,455,672, Dec. 7.
- Corrector, Dark spot. O. H. Schade. 2,445,040, July 13.
- Correlating supply of aspirating to aspirated fluids, Control means for. A. Doble. 2,440,329, Apr. 27.
- Corrosion in hydrogen fluoride catalytic organic reactions, Prevention of. A. Wachter. 2,452,812, Nov. 2.
- Corrosion in wells, Inhibiting. P. S. Viles and E. Q. Camp. 2,453,882, Nov. 16.
- Corrosion in wells, Inhibition of. P. S. Viles and E. Q. Camp. 2,453,881, Nov. 16.
- Corrosion inhibitor. T. A. Walb. 2,451,523, Oct. 19.
- Corrosion inhibitors in refrigeration system. N. E. Widell. 2,457,334, Dec. 28.
- Corrosion prevention. J. E. Seebold. 2,450,095, Sept. 28.
- Corrosion preventive. W. S. Davis, Jr., and D. L. Wright. 2,453,833, Nov. 16.
- Corrosion resistance of chromium alloys, Improving. H. H. Uhlig. 2,442,223, May 25.
- Corrosion resistant filter. V. A. Rayburn. 2,440,487, Apr. 27.
- Corrosion resistant steel and equipment. L. S. Renzoni. 2,448,462, Aug. 31.
- Corrosion resisting valve. O. W. Greene. 2,454,160, Nov. 16.
- Corrosion testing elements, Electrolytic preparation of. L. D. Grenot. 2,453,904, Nov. 16.
- Corrugated disk filter. M. A. Goldman. 2,449,809, Sept. 21.
- Corrugation limit stop. P. Kopperman. 2,445,485, July 20.
- Corset and stocking retainer, Combination. L. M. Deegan. 2,453,834, Nov. 16.
- Corset or like garment. I. R. Versoy. 2,442,225, May 25.
- Corsets, Ventilated. J. J. Kispert. 2,454,606, Nov. 23.
- Corundum and spinel, Glossing. M. H. Barnes and E. L. McCandless. 2,448,511, Sept. 7.
- Cosmetic device. R. E. Kruck. 2,452,131, Oct. 26.
- Cosmetic holder. S. Shatkin. 2,453,867, Nov. 16.
- Cosmetic preparations, S. Musher. 2,436,818, Mar. 2.
- Costumer. J. A. Vitale. 2,447,924, Aug. 24.
- Cot, Finger. G. L. Gross. 2,434,317, Jan. 13.
- Cot, Folding. R. M. Lackey. 2,438,059, Mar. 16.
- Cotton cleaner. W. F. Speck. 2,456,166, Dec. 14.
- Cotton cleaning apparatus. E. H. Brooks. 2,440,139, Apr. 20.
- Cotton cleaning attachment for harvesters. J. C. Conrad. 2,439,718, Apr. 13.
- Cotton cordage, Producing. C. F. Goldthwait and H. O. Smith. 2,449,215, Sept. 14.
- Cotton picker and similar machine. R. S. Curley. 2,435,938, Feb. 10.
- Cotton-picking machine. S. A. Townsend. 2,451,130, Oct. 12.
- Cotton seed, Delinting. P. C. McLemore. 2,437,397, Mar. 9.
- Cotton textiles water-absorbent and rot-resistant, Making. J. D. Reid and G. C. Daul. 2,448,153, Aug. 31.
- Counter adapted to operate over variable predeterminable periods of time, Revolution. H. C. Wilkins. 2,448,643, Sept. 7.
- Counter, Automatic set-back. M. L. Jeffrey. 2,440,665, Apr. 27.
- Counterbalance. A. A. Ashton. 2,441,255, May 11.
- Counterbalance mechanism. E. E. Foster. 2,453,424, Nov. 9.
- Counterbalanced pivoted enclosure. H. N. Walden. 2,453,288, Nov. 9.

- Counterbalancing mechanism for machine tools. L. L. Hercik. 2,434,613, Jan. 13.
- Counter coin chutes. H. N. Bliss. 2,440,191, Apr. 20.
- Counter for typewriters, Word. C. W. Lamb. 2,435,450, Feb. 3.
- Counter, High-speed. M. C. Yeasting. 2,456,101, Dec. 14.
- Counter, Indicating. H. N. Bliss. 2,443,064, June 8.
- Counter, Portable checking. J. A. Davenport. 2,456,817, Dec. 21.
- Counter, Ray. H. Metten and F. Koury. 2,457,781, Dec. 28.
- Counter, Shoe. J. S. Kamborian. 2,438,920, Apr. 6.
- Counter, Totalizator. C. F. Webb. 2,451,525, Oct. 19.
- Counting apparatus, Tablet. C. C. Fowler and G. T. Clark. 2,457,220, Dec. 28.
- Counting arrangement, Electric frequency. A. Mortlock. 2,445,800, July 27.
- Counting circuit. E. C. Hartwig. 2,454,167, Nov. 16.
- Counting device, Electromagnetic. J. I. Bellamy. 2,456,169, Dec. 14.
- Counting mechanism. H. C. Priest. 2,439,578, Apr. 13.
- Countersink and center reamer. E. W. Swiatek. 2,442,554, June 1.
- Countertorque mechanism for helicopters. R. R. Hays. 2,455,006, Nov. 30.
- Coupler attachment. F. H. Kayler. 2,454,514, Nov. 23.
- Coupler for air lines. R. T. McElhose. 2,450,808, Oct. 5.
- Coupler for locomotive structures, Retractable. J. C. Travilla, Jr., and W. C. Krauthelm. 2,439,762, Apr. 13.
- Coupler, Multiple-disk friction. R. G. Le Tourneau. 2,453,237, Nov. 9.
- Coupler, Trailer. J. N. Apgar. 2,442,914, June 8.
- Coupler, Trailer. J. P. K. Fontaine and A. S. Brumby. 2,456,826, Dec. 21.
- Couplers, Acyl substituted reactive methylene color. A. Weissberger, C. J. Kibler, and H. D. Porter. 2,436,130, Feb. 17.
- Couplers, Alkoxy pyrazolone. H. D. Porter, A. Weissberger, and W. A. Gregory. 2,439,098, Apr. 6.
- Couplers, Colored. D. B. Glass, P. W. Vittum, and A. Weissberger. 2,453,661, Nov. 9.
- Couplers, Colored. D. B. Glass, P. W. Vittum, and A. Weissberger. 2,455,169-70, Nov. 30.
- Couplers for color photography, Acetyl N-heterocyclic. A. Baxley. 2,435,173, Jan. 27.
- Couplers, Thioglycolic amide. A. Weissberger, C. J. Kibler, and R. V. Young. 2,448,939, Sept. 7.
- Coupling: See—
- Bag coupling.
- Adjustable mutual coupling.
- Chain coupling.
- Coaxial line coupling.
- Conduit coupling.
- Detachable hose coupling.
- Disconnectible push coupling.
- Eddy-current coupling.
- Electrical instrument coupling.
- Expansion coupling.
- Flexible coupling.
- Flexible drive coupling.
- Flexible pipe coupling.
- Fluid coupling.
- Flexible leakproof coupling.
- Flexible rotary coupling.
- Fluid coupling.
- High-pressure coupling.
- Hose coupling.
- Hydraulic brake pipe coupling.
- Hydraulic hose coupling.
- Hydrokinetic coupling.
- Irrigation pipe coupling.
- Lead screw coupling.
- Magnetic coupling.
- Manifold tube coupling.
- No-twist self-locking coupling.
- Overload release flexible coupling.
- Pipe coupling.
- Coupling. E. J. Baumgardner. 2,444,888, July 6.
- Coupling. R. C. Beyerle. 2,446,406, Aug. 3.
- Coupling. F. M. Bosworth. 2,441,344, May 11.
- Coupling. E. R. Burgess. 2,445,385, July 20.
- Coupling. J. S. Cardillo. 2,436,248, Feb. 17.
- Coupling. B. H. Crippen. 2,454,994, Nov. 30.
- Coupling. F. E. Hansen. 2,449,938, Sept. 21.
- Coupling. G. M. Kelly. 2,444,892, July 6.
- Coupling. J. T. Krapp. 2,441,075, May 4.
- Coupling. R. E. Krueger. 2,441,363, May 11.
- Coupling. G. F. Lomelino. 2,453,024, Nov. 2.
- Coupling. B. W. Mantle. 2,451,683, Oct. 19.
- Coupling. J. A. Maul and W. P. Lautzenheiser. 2,455,870, Dec. 7.
- Coupling. J. Muller. 2,434,426, Jan. 13.
- Coupling. C. E. Patterson. 2,457,105, Dec. 21.
- Coupling. F. E. Payne. 2,443,145, June 8.
- Coupling. W. V. Prince. 2,453,813, Nov. 16.
- Coupling. G. W. Purdy. 2,448,548, Sept. 7.
- Coupling. A. T. Scheiwer. 2,448,688, Sept. 7.
- Coupling. L. W. Wightman. 2,435,112, Jan. 27.
- Coupling and bearing, Magnetic. H. L. Schug. 2,436,939, Mar. 2.
- Coupling and fastening device, Pipe. A. Warring. 2,447,221, Aug. 17.
- Coupling arrangement. H. G. Busignies, T. H. Clark, and A. G. Everhart. 2,457,123, Dec. 28.
- Coupling arrangement. W. W. Moe. 2,443,921, June 22.
- Coupling arrangement for use in two-way signaling systems, Dielectric wave guide. W. A. Tyrrell. 2,445,896, July 27.
- Coupling arrangement for use in wave transmission systems. D. H. Ring. 2,436,828, Mar. 2.
- Coupling arrangement for use in wave transmission systems. W. A. Tyrrell. 2,445,895, July 27.
- Coupling assembly. A. R. Jones and B. C. Look, Jr. 2,456,636, Dec. 21.
- Coupling device. G. A. Borg. 2,439,199, Apr. 6.
- Coupling device. H. G. Howard. 2,435,081, Jan. 27.
- Coupling device. E. M. McElhinney. 2,444,575, July 6.
- Coupling device. F. M. Orain. 2,444,666, July 6.
- Coupling device. E. C. Okress and P. Kusch. 2,434,508, Jan. 13.
- Coupling device. W. H. Tandet. 2,449,916, Sept. 21.
- Coupling device. J. C. Warwick. 2,444,148, June 29.
- Coupling device. A. J. Wayman. 2,451,421, Oct. 12.
- Coupling device. G. V. Woodling. 2,435,261, Feb. 3.
- Coupling device for concentric conductor lines. A. L. Robinson. 2,451,413, Oct. 12.
- Coupling device for high-frequency apparatus. J. S. Donal, Jr., and H. R. Hegbar. 2,442,118, May 25.
- Coupling device for opposed pistons in free-piston engines. W. Kilchenmann. 2,446,423, Aug. 3.
- Coupling device for use in toy railroads. A. D. Gash, Jr. 2,449,466, Sept. 14.
- Coupling device, Friction. L. R. Buckendale, R. K. Super. 2,454,271, Nov. 23.
- Coupling device, High-frequency. P. C. Gardiner. 2,446,003, July 27.
- Coupling device particularly for electric heating appliance stands, Electrical. T. J. Hall. 2,450,336, Sept. 28.
- Coupling device, Tractor-trailer. S. R. Strader. 2,448,744, Sept. 7.
- Coupling device, Tube. G. V. Woodling. 2,452,278, Oct. 26.
- Coupling device, Wave guide. W. E. Bradley. 2,455,158, Nov. 30.
- Coupling for cables. L. G. Brazier and D. T. Hollingsworth. 2,433,980, Jan. 6.
- Coupling for coaxial cables. H. R. F. Carsten and C. H. M. Thorpe. 2,439,841, Apr. 20.
- Coupling for coaxial transmission lines, Phase splitting. R. A. Braden. 2,457,638, Dec. 28.
- Coupling for conduits, Swivel. A. H. Heinrich. 2,446,327, Aug. 3.
- Coupling for faucet connections, Pipe. J. J. Hagan. 2,434,846, Jan. 20.
- Coupling for flareless tubes. L. N. Vandervoort. 2,450,314, Sept. 28.
- Couplings for flexible hose. E. C. Carling. 2,452,728, Nov. 2.
- Coupling for high-pressure tubing. G. E. Franck. 2,455,667, Dec. 7.
- Coupling for hose, Quick. R. C. Lane. 2,449,659, Sept. 21.
- Coupling for hoses and pipes. C. C. S. Le Clair. 2,443,394, June 15.
- Coupling for linear actuators, Universal. W. K. Schon. 2,448,917, Sept. 7.
- Coupling for potentiometers. G. J. Mucher. 2,434,248, Jan. 13.
- Coupling for rods, cables, and the like. G. W. Purdy. 2,448,547, Sept. 7.
- Coupling for shafts. A. Betz. 2,453,964, Nov. 16.
- Coupling for suction cleaner attachments. K. M. Hammell. 2,440,143, Apr. 20.
- Coupling for trailers, Fifth wheel. J. Borzell. 2,454,626, Nov. 23.
- Coupling for tubes. J. N. Wolfram. 2,437,632, Mar. 9.
- Coupling for tubes. J. N. Wolfram. 2,444,622, July 6.
- Coupling for tubes. J. N. Wolfram. 2,452,890, Nov. 2.
- Coupling for tubular members. A. J. Loepsinger. 2,456,203, Dec. 14.
- Coupling for use in fluid supply systems. C. C. S. Le Clair. 2,457,052, Dec. 21.
- Coupling for wrist watch bands, Adjustable. C. Goldblatt. 2,447,329, Aug. 17.
- Coupling means. J. R. Frei. 2,449,807, Sept. 21.
- Coupling means. C. H. Taylor. 2,440,160, Apr. 20.
- Coupling means for ground rods. R. D. Nelson and H. B. Behlmer. 2,446,300, Aug. 3.
- Coupling means for relatively movable wave guides. R. O. Haxby. 2,434,925, Jan. 27.
- Coupling means for use with calculating, bookkeeping, or like machines. R. Hofgaard. 2,449,228, Sept. 14.
- Coupling mechanism, Trailer. N. M. Norman and A. S. Brumby. 2,440,152, Apr. 20.
- Coupling member. G. V. Woodling. 2,438,530, Mar. 30.
- Coupling pin. F. and C. Fuhrer. 2,436,210, Feb. 17.
- Coupling pin for trailer hitches, Safety. P. Bible. 2,454,856, Nov. 30.
- Coupling power plant and vehicle axle, Angle drive mechanism. H. O. Schjolin. 2,435,930, Feb. 10.
- Coupling system, Adjustable wave. L. Norde. 2,451,444, Oct. 12.

- Coupling terminal unit for storage batteries. F. Jacobs. 2,444,046, June 29.
- Coupling that compensates for axial displacement of shafts connected thereby. E. E. Wilmer. 2,441,052, May 4.
- Coupling thread locking means. O. J. Poupitch. 2,444,847, July 6.
- Coupling with azo-substituted couplers, Elimination. P. W. Vittum, A. Weissberger, and L. S. Wilder. 2,435,616, Feb. 10.
- Coupling with automatic speed control, Rotary hydraulic. L. F. Haller. 2,455,249, Nov. 30.
- Coupling with centrifugal lockup means, Fluid. E. R. Maurer. 2,448,539, Sept. 7.
- Coupling with fluid-supported packing, Flexible pipe. F. M. Allen and C. B. Taylor. 2,444,868, July 6.
- Course indicator system for radio ranges. D. G. C. Luck. 2,436,479, Feb. 24.
- Course modifying system. S. B. Pickles. 2,436,823, Mar. 2.
- Course softening system. T. M. Ferrill, Jr. 2,439,044, Apr. 6.
- Cover: *See*—
- Automatic keyhole lock Plastic tire cover.
 - cover. Replaceable optical temple cover.
 - Bib and tray cover. Road cover.
 - Control surface cover. Sanitary garbage can cover.
 - Cushion cover. Shutter dust cover.
 - Garbage can cover. Spark plug cover.
 - Hatch cover. Stair cover.
 - Keyhole cover. Stove flue cover.
 - Lighting fixture cover. Vehicle wheel cover.
 - Milk bottle cover. Wheel cover.
 - Plant cover. Windshield cover.
 - Plant pot cover.
- Cover and cushion for shampoo boards, Sanitary. F. J. Conjurske. 2,453,784, Nov. 16.
- Cover and filter for milker pails. T. J. Ffletcher. 2,445,122, July 13.
- Cover and means for locking the same, Hatch. W. A. Beauchamp. 2,454,688, Nov. 23.
- Cover and plug interlocking switch, Socket. P. McShane and D. E. Renshaw. 2,434,576, Jan. 13.
- Cover and receptacle for dry printing machines. W. Martin. 2,438,225, Mar. 23.
- Cover construction for handbags, External. E. R. Hoffmann. 2,435,784, Feb. 10.
- Cover construction for kitchen utensils. A. F. Curtis and P. C. Rorick. 2,441,688, May 18.
- Cover for bed-forming structures. I. Pisciotta. 2,439,631, Apr. 13.
- Cover for book jackets, Protective. A. Brody. 2,445,871, July 27.
- Cover for bus bars, Insulating. G. J. Muller. 2,439,859, Apr. 20.
- Cover for flatiron stands. E. M. Prior. 2,434,225, Jan. 6.
- Cover for handbags or similar articles, Removable. H. Brandt. 2,436,237, Feb. 17.
- Cover for radio jackets and the like, Waterproof. R. R. and F. R. Gonsett. 2,452,922, Nov. 2.
- Cover for textile fiber drafting, Roll. J. W. Baymiller. 2,450,409-10, Oct. 5.
- Cover for tire repair vulcanizers and method of making, Flexible. H. T. Kraft. 2,449,606, Sept. 21.
- Cover forming machine, Flexible. A. Vischer, Jr. 2,454,758, Nov. 23.
- Cover on take-up roll for looms. E. Nassimbene. 2,438,296, Mar. 23.
- Cover operating mechanism. F. W. Dickman. 2,442,869, June 8.
- Cover plate, Illuminated. W. C. Linton. 2,448,606, Sept. 7.
- Cover remover, Cam. G. C. Erb. 2,448,522, Sept. 7.
- Cover structure for suitcases, valises, and similar carrying cases. A. Hochner. 2,438,780, Mar. 30.
- Cover turning device, Platform. I. Galper. 2,454,441, Nov. 23.
- Cover with protected opening, Waterproof mail bag. M. Allen. 2,436,369, Feb. 24.
- Covering a scale for the handle of a pocket knife, Method and apparatus for. P. Richartz. 2,452,149, Oct. 26.
- Covering, Floor and wall. H. R. Woerner. 2,434,974, Jan. 27.
- Covering for frame molding, Protective. P. and E. W. Dzurak. 2,444,286, June 29.
- Covering for preventing accumulation of ice on airfoils, Protective. J. O. Antonson. 2,440,240, Apr. 27.
- Covering for preventing ice formation on aircraft. W. H. Hunter. 2,454,874, Nov. 30.
- Covering, Linoleum surface. P. O. Powers. 2,457,600, Dec. 28.
- Covering member for articles of luggage. L. H. Clark. 2,440,077, Apr. 20.
- Covering on ships, Wooden deck. G. Kähr. 2,437,095, Mar. 2.
- Covering, Prefabricated. S. S. Hirsch. 2,442,977, June 8.
- Covering shield mount for safety helmets. W. C. Moeller. 2,447,083, Aug. 17.
- Cowl fastener. J. W. Warren. 2,434,876, Jan. 20.
- Cracked metal walls, Repairing and repaired. C. E. McAfee. 2,446,291, Aug. 3.
- Cracking of hydrocarbons, Catalytic. J. A. Ridgway, Jr., and P. Hill. 2,454,615, Nov. 23.
- Cracking of hydrocarbons with suspended catalyst. C. E. Hemminger. 2,446,925, Aug. 10.
- Cracking hydrocarbons in presence of trimethylene chlorobromide. H. O. Folkins. 2,443,497, June 15.
- Cracking hydrocarbons in the presence of bromine-containing terpenic compounds. H. O. Folkins. 2,441,142, May 11.
- Cracking process. S. D. Dalton. 2,437,383, Mar. 9.
- Cracking process, Catalytic. N. P. Peet. 2,449,617, Sept. 21.
- Cracking process, Continuous. T. P. Simpson and S. C. Eastwood. 2,448,922, Sept. 7.
- Cracking process to produce gaseous olefins. J. Happel. 2,439,730, Apr. 13.
- Cradle for bass viols or other stringed instruments. W. C. Stenger. 2,455,821, Dec. 7.
- Cradle, Saddle cleaning. M. I. Voorhes. 2,435,912, Feb. 10.
- Craft propulsion. H. M. Dobbins. 2,440,195, Apr. 20.
- Crane and material-moving device, Combined. N. M. Erdahl. 2,446,220, Aug. 3.
- Crane control. R. Bollaert. 2,456,908, Dec. 21.
- Crane, Fruit picker's. H. B. Miller. 2,450,152, Sept. 28.
- Crane, Hydraulic. W. Harbaugh. 2,446,586, Aug. 10.
- Crane, Mail. I. Pendleton. 2,436,226, Feb. 17.
- Crane, Power-actuated. R. G. Le Tourneau. 2,444,835, July 6.
- Crank, Adjustable. A. Y. Dodge. 2,445,710, July 20.
- Crank arm and driving block means. D. S. Willson. 2,451,455, Oct. 12.
- Crankcase compression supercharger for engines. G. H. Brown. 2,434,348, Jan. 13.
- Crankcase compression, two-cycle engine. J. S. Jennings. 2,445,715, July 20.
- Crankcase construction. J. J. Wharam and P. C. Bastien. 2,440,815, May 4.
- Crank device. R. D. Franzene. 2,452,742, Nov. 2.
- Crank-pin bearing. E. M. Fisk. 2,445,025, July 13.
- Crankpin truing device. F. Postma. 2,444,308, June 29.
- Crankshaft, Built-up. G. T. Smith-Clarke and A. F. Varney. 2,448,742, Sept. 7.
- Crankshaft dressing tool. M. D. Johnson. 2,453,797, Nov. 16.
- Crankshaft mounting. C. B. Kluppel. 2,434,659, Jan. 20.
- Crankshaft torsional vibration damper. J. C. Selden. 2,454,720, Nov. 23.
- Crank structure, Lubricated. L. R. Shanton. 2,452,605, Nov. 2.
- Crank throw arrangement, Six-cylinder. P. H. Davey. 2,435,874, Feb. 10.
- Cranking means for hand wheels of machine spindles and the like, Safety. F. J. Gibbons. 2,447,574, Aug. 24.
- Crash pad for war tanks or other vehicles. F. G. Tritt and W. A. Miller. 2,436,461, Feb. 24.
- Crate, Bottle. A. Taurman. 2,436,236, Feb. 17.
- Crate, Collapsible. S. J. Johnson. 2,442,651, June 1.
- Crate for water bottles or acid carboys. C. E. Johnson. 2,452,195, Oct. 26.
- Crate lamp. G. H. Bouchard. 2,457,771, Dec. 28.
- Cravat holder. L. J. Biagi. 2,457,341, Dec. 28.
- Crawl drophead for drain cleaners. S. W. Erickson. 2,443,130, June 8.
- Crayon box. C. P. Wellman. 2,446,896, Aug. 10.
- Crayon container. J. A. Bouffard and J. G. Greemen. 2,438,895, Apr. 6.
- Crayon holder. H. F. Waters. 2,454,109, Nov. 16.
- Cream separator. C. E. Deardorff. 2,434,642, Jan. 20.
- Creaming of synthetic rubber latices. C. R. Peaker. 2,446,101, July 27.
- Creaming of synthetic rubber latices. E. C. Svendsen. 2,446,115, July 27.
- Creel structure for spinning and roving frames. L. M. Cotchett. 2,441,110, May 4.
- Crib. C. E. Webb. 2,447,722, Aug. 24.
- Crib, Infant's. B. B. Lineberry and G. E. Branscome. 2,448,317, Aug. 31.
- Crib spring. H. J. Landry and R. C. Bockus. 2,434,620, Jan. 13.
- Cribbage board. R. C. Holton. 2,434,495, Jan. 13.
- Crimping device, Pie. D. W. Smith. 2,444,857, July 6.
- Crimping tool. H. P. Dupre. 2,457,538, Dec. 28.
- Crochet frame. V. E. Upstill. 2,454,493, Nov. 23.
- Crocheted hat and producing the same. V. C. Harvel. 2,437,525, Mar. 9.
- Crop gathering mechanism for combines. M. Ronning and K. M. Keith. 2,455,906, Dec. 7.
- Crops by soil fumigation, Protection of. J. F. Kagy and R. R. McPherson. 2,448,265, Aug. 31.
- Crossarm for transmission wires. F. E. Buxton. 2,437,375, Mar. 9.
- Crossbar switch. H. C. Harrison. 2,447,010, Aug. 17.
- Cross-feed mechanism. Weimar, Hans C., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. 2,438,835, Mar. 30.
- Cross-feed mechanism. S. E. Woodbury. 2,437,986, Mar. 16.
- Cross-field generator. J. W. and W. I. Macfarlane. 2,436,567, Mar. 30.
- Crossing structure, Cast rail. C. H. Nordberg. 2,438,070, Mar. 16.
- Cross laying. G. E. and J. E. Repass. 2,434,887, Jan. 20.
- Crossover flow device. M. T. Works. 2,439,327, Apr. 6.

- Crosstie and rail fastening means. E. C. Barnes. 2,446,899, Aug. 10.
- Cross-wires in optical instrument reticules by the use of polarized light, Identifying. E. R. Warner. 2,442,790, June 8.
- Crotonic acid, Manufacture of. K. H. W. Tuerck. 2,450,389, Sept. 28.
- Crown block assembly. E. A. Bender. 2,440,427, Apr. 27.
- Crown cap. C. A. Beeson. 2,443,181, June 15.
- Crown closure feeding device. D. L. Shanklin and R. P. Stokes. 2,444,232, June 29.
- Crucible for coating apparatus, Evaporating. E. E. Barr. 2,447,789, Aug. 24.
- Crude anthracene separation. B. B. Corson and R. S. Detrick. 2,438,148, Mar. 23.
- Crude oil, Desalting. C. G. Kirkbride and M. C. Hopkins. 2,454,605, Nov. 23.
- Crusher, Can. O. E. Alvarez. 2,446,898, Aug. 10.
- Crusher. Pedestal type gyratory. O. C. Gruender. 2,438,049, Mar. 16.
- Crusher with complementary double-curvature dress, Opposed roll. J. L. Latture. 2,434,938, Jan. 27.
- Crushing machine for rocks and the like. E. H. Anderson. 2,447,303, Aug. 17.
- Crushing roll apparatus for reducing to powder materials packaged in tablet form. F. A. Lobley and W. E. Lowell. 2,437,881, Mar. 16.
- Crush-type grinding wheel truing device. L. F. Polk. 2,446,105, July 27.
- Crustacean meat, Preserving tinned. J. J. Ganuchean. 2,448,970, Sept. 7.
- Crutch. J. H. Clemens. 2,437,076, Mar. 2.
- Crutch. S. Joseph. 2,442,896, June 8.
- Crutch. A. R. Lofstrand, Jr. 2,453,632, Nov. 9.
- Crutch. W. S. Peacock. 2,439,316, Apr. 6.
- Cryptographic attachment for typewriter keys. R. N. Cunningham. 2,435,130, Jan. 27.
- Crystal apparatus, Piezoelectric. D. C. Arnold, O. T. Strand, Jr., and R. V. Lewis. 2,440,064, Apr. 20.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,450,010, Sept. 28.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,450,011, Sept. 28.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,450,434, Oct. 5.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,454,328, Nov. 23.
- Crystal assembly, Hermetically sealed. H. Kershaw. 2,434,043, Jan. 6.
- Crystal bodies, Method and apparatus for shaping. R. W. Tibbetts. 2,446,443, Aug. 3.
- Crystal contacts of which one element is silicon. C. E. Ransley. 2,438,944, Apr. 6.
- Crystal element and fabricating same, Piezoelectric. C. K. Gravley. 2,439,466, Apr. 13.
- Crystal frequency converter. W. M. Sharpless. 2,438,521, Mar. 30.
- Crystal holder. W. E. Kuenstler. 2,438,708, Mar. 30.
- Crystal mounting. H. S. Bates and S. A. Robinson. 2,457,338, Dec. 28.
- Crystal mounting. D. W. Keller. 2,457,563, Dec. 28.
- Crystal mounting means, Piezoelectric. B. Carlin. 2,448,352, Aug. 31.
- Crystal novelty and paperweight. W. M. Snyder. 2,435,612, Feb. 10.
- Crystal plate and fabricating same. G. J. Bokeny. 2,444,590, July 6.
- Crystal seed and obtaining it. B. R. F. Kjellgren. 2,456,831, Dec. 21.
- Crystal unit, Dual. R. J. Jahrling. 2,456,421, Dec. 14.
- Crystal with moisture-proof coatings, Piezoelectric. A. M. Robinson. 2,456,995, Dec. 21.
- Crystals, Growing. B. R. F. Kjellgren and H. Jaffe. 2,452,576, Nov. 2.
- Crystals, Manufacturing piezo. W. I. Cronan. 2,454,777, Nov. 30.
- Crystals, Production of. L. Pessel. 2,447,362, Aug. 17.
- Crystalline limestone in heavy fluid for float-and-sink concentration, Finely divided. J. A. Brusset. 2,440,005, Apr. 20.
- Crystalline material preparation. G. H. Foster and E. F. Williams. 2,445,478, July 20.
- Crystalline resinous bodies, Forming and orienting. W. H. Willert. 2,445,726, July 20.
- Crystallization of DDT. K. B. Little and J. J. Burton. 2,453,076, Nov. 2.
- Cue head. E. J. Von Pein. 2,435,855, Feb. 10.
- Cue tip clamp. B. R. Nyhagen. 2,453,157, Nov. 9.
- Cuff holder. G. D. Tye. 2,446,117, July 27.
- Cuff holding device, Sleeve. J. A. Barnes. 2,449,579, Sept. 21.
- Cultivator and furrow former, Hand garden. A. M. Chilcote. 2,437,805, Mar. 16.
- Cultivator disc supporting assembly. J. Caffese. 2,439,449, Apr. 13.
- Cultivator, Hand propelled wheeled. O. Hoffman. 2,450,236, Sept. 28.
- Cultivator, Motor driven rotary. B. M. Peters. 2,440,757, May 4.
- Cultivator, Vineyard. F. H. Dawley. 2,442,198, May 25.
- Culture of penicillium molds. E. R. Woodward. 2,443,172, June 8.
- Culturing fungi. E. C. Stevenson and J. W. Mitchell. 2,437,766, Mar. 16.
- Cup, Adhesive-containing suction. F. C. Braun. 2,451,194, Oct. 12.
- Cup, Boil. R. E. Larsen. 2,443,140, June 8.
- Cup, Dental polishing. G. A. Chott. 2,451,918, Oct. 19.
- Cup finishing apparatus. W. H. Emerson. 2,455,744, Dec. 7.
- Cup for master pistons, Packing. M. Katcher. 2,444,569, July 6.
- Cup, Nonspillable. L. J. Laskin. 2,437,784, Mar. 16.
- Cup, Pastry. A. Shapiro. 2,435,906, Feb. 10.
- Cupping device, Automatic. C. Delval and G. M. Galvier. 2,449,805, Sept. 21.
- Cuprammoniacal petroleum mahogany sulfonates. L. Liberthson. 2,455,687, Dec. 7.
- Cupriferous surfaces, Protection of. A. J. Saukaitis. 2,445,155, July 13.
- Curb and sewer, Combined. H. G. Moselowitz. 2,436,593, Feb. 24.
- Curb feeler switch. E. Sines. 2,436,123, Feb. 17.
- Curb guiding signal. M. J. Kral. 2,440,587, Apr. 27.
- Curb syrup separator. C. A. Olcott. 2,441,368, May 11.
- Curing bag. T. E. Thomas. 2,435,466, Feb. 3.
- Curing frame for resin impregnated stock sheets. H. C. Gray. 2,455,055, Nov. 30.
- Curing pneumatic tires. T. A. Te Grotenhuis. 2,438,952, Apr. 6.
- Curl forming device, Tight. B. Kleinsmith. 2,454,558, Nov. 23.
- Curler. J. K. O. Farrell. 2,450,752, Oct. 5.
- Curler and mascara applier, Eyelash. A. Marcellus. 2,444,937, July 13.
- Curler, Eyelash. A. Resnikoff and I. Bernstein. 2,444,310, June 29.
- Curler, Fur. D. Mainwold. 2,445,444, July 20.
- Curler, Hair. R. E. Ratliff. 2,445,924, July 27.
- Curler, Hair. H. Rust. 2,446,722, Aug. 10.
- Curling device, Fur. S. G. Shapiro. 2,451,984, Oct. 19.
- Curling rod. H. Bonat. 2,436,092, Feb. 17.
- Curling rod. H. Bonat. 2,443,340, June 15.
- Curling rod. S. Molchan. Re. 23,061, Dec. 14.
- Curling stone. W. J. Turnbull. 2,454,492, Nov. 23.
- Current collector contact member. C. A. Thomas. 2,439,678, Apr. 13.
- Current commutator machine, Alternating. F. W. Bau-mann. 2,457,517, Dec. 28.
- Current converting tube. J. G. W. Mulder. 2,452,861, Nov. 2.
- Current-generating gear for pocket electric lamps. G. Bardin. 2,437,675, Mar. 16.
- Current-limiting and protective arrangement. A. B. Rypinski. 2,436,334, Feb. 17.
- Current limiting transformer. L. J. Schilling. 2,445,088, July 13.
- Current mineral concentrator, Vertical. J. C. Anderson. 2,437,671, Mar. 16.
- Current regulation for alternating current arc welding. J. M. Tyrner. 2,434,131, Jan. 6.
- Current relay and system, Reverse. W. R. Holmes. 2,455,060, Nov. 30.
- Current system, Alternating. P. J. Walsh. 2,445,897, July 27.
- Current wheel. J. M. Morris. 2,439,575, Apr. 13.
- Currying machine. D. L. Jensen. 2,456,197, Dec. 14.
- Curtain and making same. R. S. Temko and A. Katz. 2,444,883, July 6.
- Curtain and curtain hanging means. C. W. Lanphere. 2,451,034, Oct. 12.
- Curtain and drape mounting. V. Fiorentino. 2,455,576, Dec. 7.
- Curtain and shade support. R. E. Ratcliffe. 2,452,680, Nov. 2.
- Curtain for focal plane shutters. I. W. Doyle and C. V. Johnson. 2,456,082, Dec. 14.
- Curtain or panel and hanger structure therefor. C. G. Cunningham. 2,454,434, Nov. 23.
- Curtain rod or similar article. G. M. Kenney and J. F. Cavanagh. 2,436,811, Mar. 2.
- Curtain rod support. J. Irling. 2,456,000, Dec. 14.
- Curtain slot adjusting means to control the exposure time of camera shutters. E. S. Hineline. 2,435,835, Feb. 10.
- Curtain stretcher. C. F. Ashbaugh. 2,455,640, Dec. 7.
- Curvatures of lenses and spacings thereof, Determining correct. J. H. Jeffree. 2,450,965, Oct. 12.
- Curve distortion of alternating currents, Method and apparatus for. P. Bricout. 2,436,788, Mar. 2.
- Cushion cover. T. Waranch. 2,446,396, Aug. 3.
- Cushion, Resilient seat. H. L. Burns. 2,434,641, Jan. 20.
- Cushion spring and making the same. C. A. Tea. 2,439,530, Apr. 13.
- Cushion structure, Tilting. K. K. Horner and L. W. Hilt-man. 2,456,874, Dec. 21.
- Cushioned display container. P. A. Carson. 2,451,806, Oct. 19.
- Cushioning device. G. J. Christenson. 2,436,163, Feb. 17.
- Cushioning device. T. D. Nathan. 2,447,712, Aug. 24.
- Cutin fitting. W. J. Collison. 2,449,803, Sept. 21.
- Cutlery display board. E. E. Case. 2,457,032, Dec. 21.
- Cutoff machine. F. G. Schwabe. 2,447,962, Aug. 24.
- Cutoff system for fuel burners, Safety. W. A. Ray. 2,447,668, Aug. 24.
- Cutoff wheel. F. M. Bley. 2,454,125, Nov. 16.
- Cutout, Electrical. W. O. Schultz. 2,455,704, Dec. 7.
- Cutout, Fused. E. H. Yonkers. 2,446,875-6, Aug. 10.
- Cutout, Thermal. P. Schell. 2,456,153, Dec. 14.

- Cutter: See—
 Ampoule neck cutter.
 Angle cutter.
 Automatic disk cutter.
 Bottle seal cutter.
 Brick siding cutter.
 Butter cutter.
 Cable cutter.
 Cam cutter.
 Celery cutter.
 Circular cutter.
 Core box cutter.
 Dough cutter.
 Dress bottom cutter.
 Cutter and pitter with rotary blades, Fruit. C. Lindley, Jr. 2,455,072, Nov. 30.
 Cutter attachment for sewing machines, Edge. A. Alifano and N. M. Porreca. 2,443,369, June 15.
 Cutter chain. C. F. Osgood. 2,452,082, Oct. 26.
 Cutter chain. L. E. Simmons. 2,439,400, Apr. 13.
 Cutter chain. F. E. Sullinger. 2,452,081, Oct. 26.
 Cutter for axminster looms, Pile tuft. W. Y. Robb. 2,441,374, May 11.
 Cutter for trees, Underground. W. O. Taylor. 2,437,176, Mar. 2.
 Cutter for tube-ice machines, Adjustable. B. F. Kubaugh. 2,453,140, Nov. 9.
 Cutter-head, Rotary. E. J. Ray. 2,439,486, Apr. 13.
 Cutter or grinder, Tracer control. O. E. Rosen. 2,445,971, July 27.
 Cutter relief mechanism for milling machines. C. L. Holmstrom. 2,445,433, July 20.
 Cutting a skin graft. J. D. Reese. 2,442,435, June 1.
 Cutting and chamfering metal sheets, Machine for. E. Bugatti. 2,439,794, Apr. 20.
 Cutting and flushing device, Garbage. A. Bjorklund. 2,446,073, July 27.
 Cutting apparatus. D. M. Curtis. 2,447,976, Aug. 24.
 Cutting apparatus. W. E. Ewaldson. 2,440,464, Apr. 27.
 Cutting apparatus. S. C. Nelson. 2,446,097, July 27.
 Cutting apparatus, Forage, including a rotor having pocketed blades. C. E. Frudden. 2,450,277, Sept. 28.
 Cutting attachment, Multiple thermochemical. S. N. Libby. 2,439,629, Apr. 13.
 Cutting blades for scissors, shears, and the like, Coacting. D. C. Feather. 2,436,560, Feb. 24.
 Cutting block. L. P. Exley. 2,439,652, Apr. 13.
 Cutting board for steam tables. A. Karry. 2,445,915, July 27.
 Cutting board with crumb tray, Bread. A. H. Ericsson. 2,452,445, Oct. 26.
 Cutting chain. A. W. Mall. 2,435,892, Feb. 10.
 Cutting device. D. R. Eastwood. 2,437,295, Mar. 9.
 Cutting device, Tube. R. S. Armstrong. 2,446,734, Aug. 10.
 Cutting into the surface of an article, Method and apparatus. D. N. Judelson. 2,457,310, Dec. 28.
 Cutting machine. W. R. Spiller. 2,445,248, July 13.
 paratus for. A. G. Bodine, Jr. 2,445,934, July 27.
 Cutting machine. W. R. Spiller. 2,451,636, Oct. 19.
 Cutting machine attachment. R. D. Petersen. 2,436,401, Feb. 24.
 Cutting machine, Card. K. J. Braun. 2,436,192, Feb. 17.
 Cutting machine for plastic material. J. J. Gano and L. W. Richardson. 2,451,027, Oct. 12.
 Cutting machine, Gear. C. T. Galloway. 2,448,426, Aug. 31.
 Cutting machine, Piece. F. D. Luteran. 2,445,488, July 20.
 Cutting machine, Seed potato. L. V. Uglov. 2,452,810, Nov. 2.
 Cutting means. C. E. Blalack. 2,442,637, June 1.
 Cutting mechanism for Axminster looms, Tuft. W. Y. Robb. 2,448,829, Sept. 7.
 Cutting mechanism, Loop. C. G. Richardson. 2,448,686, Sept. 7.
 Cutting mechanism, Web. P. L. Tollison. 2,450,312, Sept. 28.
 Cutting of stainless steel, Combustion. G. E. Linnert. 2,454,325, Nov. 23.
 Cutting oil base. L. D. Myers and V. J. Muckerheide. 2,443,833, June 22.
 Cutting table. D. Levin. 2,452,773, Nov. 2.
 Cutting tool. A. C. Babka. 2,433,976, Jan. 6.
 Cutting tool. P. Leo. 2,443,257, June 15.
 Cutting tool. F. P. Miller. 2,435,287, Feb. 3.
 Cutting tool. H. L. Trautmann. 2,457,417, Dec. 28.
 Cutting tool. J. L. White. 2,454,728, Nov. 23.
 Cutting tool and wrench for removing studs, Combination. J. Wilk. 2,443,215, June 15.
 Cutting torch holder. J. H. Blythe. 2,452,718, Nov. 2.
 Cutting wheel for flint igniters. P. O. Solon. 2,443,123, June 8.
 Cutting work pieces, Machine for. J. H. Hill. 2,440,950, May 4.
 Cuttings conveying means. L. E. Simmons. 2,448,056, Aug. 31.
 Cuttings conveying mechanism. L. E. Simmons. 2,448,057, Aug. 31.
 Cyanacetylamine phenol color formers for color photography. J. D. Kendall and D. J. Fry. 2,441,491, May 11.
 Cyanhydride esters. V. L. Hansley and J. E. Bristol. 2,456,188, Dec. 14.
 Cyanine dyes, Modified. A. W. Anish. 2,453,738, Nov. 16.
 Cyanine dyestuff intermediates. J. D. Kendall. 2,438,705, Mar. 30.
 Cyanine dyestuffs. J. D. Kendall. 2,438,782, Mar. 30.
 Cyano acetic acid compounds, Metallation of. V. H. Wallingford and A. H. Homeyer. 2,440,421, Apr. 27.
 Cyanoalkyl esters of polyhydric alcohols. H. A. Bruson. 2,437,905, Mar. 16.
 Cyanocyclobutane derivatives. P. L. Barrick. 2,437,289, Mar. 9.
 Cyanoethyl, aceto-succinic acid esters. E. C. Ladd and H. W. Paxton. 2,456,517, Dec. 14.
 Cyanoethylated formals and their preparation. H. A. Bruson and T. W. Riener. 2,435,869, Feb. 10.
 Cyanoethylation of carbonylic compounds. H. A. Bruson and W. D. Niederhauser. 2,437,906, Mar. 16.
 Cyanostyrene copolymerized with butadienes. J. R. Long. 2,435,790, Feb. 10.
 Cyanothiophanes and preparing same. B. R. Baker. 2,440,659, Apr. 27.
 Cycle controller, Process. H. E. Allen. 2,442,835, June 8.
 Cycle engines, Scavenging for two-stroke. H. T. Pyk and H. G. Camner. 2,440,645, Apr. 27.
 Cycle or like locking mechanism. A. Milwain. 2,437,112, Mar. 2.
 Cyclic alcohols and their preparation. R. C. Morris and T. W. Evans. 2,435,403, Feb. 3.
 Cyclic ether. H. A. Bruson and T. W. Riener. 2,440,220, Apr. 20.
 Cyclic ethers, Oxidation of. J. G. M. Bremner and D. G. Jones. 2,453,890, Nov. 16.
 Cyclic ethers, Production of. P. H. Williams and S. A. Ballard. 2,452,977, Nov. 2.
 Cyclic lactones, The production of. H. Dickenson. 2,449,162, Sept. 14.
 Cyclic oximes, Preparation of. T. Koch. 2,447,583, Aug. 24.
 Cyclic process for the manufacture of sodium sulfate and chlorine. J. Kamlet. 2,442,874, June 8.
 Cyclic regulation of crystallizers. J. E. Mason. 2,448,558, Sept. 7.
 Cyclic sulfones, Hydrogenation of unsaturated. R. C. Morris and N. C. Melchior. 2,451,298, Oct. 12.
 Cycling system, Hydraulic. W. T. Stephens. 2,453,732, Nov. 16.
 Cycloconverter control. J. L. Boyer and C. G. Hagensick. 2,442,262, May 25.
 Cyclohexane, Production of. A. G. Oblad. 2,440,414, Apr. 27.
 Cyclohexylalkylamines. G. E. Ulyot. 2,454,746, Nov. 23.
 Cyclohexylcarbonyl thiocyanate esters. R. C. Morris, A. V. Snider, and P. H. Williams. 2,450,765, Oct. 5.
 Cyclonite purification. J. G. Burtie and W. H. Brandt. 2,439,648, Apr. 13.
 Cyclo-olefin, Producing a. L. Schmerling. 2,436,491, Feb. 24.
 Cyclopentadiene and its homologues, Producing. C. E. Staff. 2,453,044, Nov. 2.
 Cyclopentadiene, Producing. F. E. Frey. 2,434,403, Jan. 13.
 Cyclopentyl alcohols, Preparation of. A. E. Barse and J. E. Leonard. 2,444,129, June 29.
 Cylinder and piston device, Hydraulic. R. D. Acton. 2,456,236, Dec. 14.
 Cylinder block. L. M. Taylor. 2,444,963, July 13.
 Cylinder cap. A. H. Schaal. 2,439,696, Apr. 13.
 Cylinder, Compound master. A. E. Roy. 2,438,649, Mar. 30.
 Cylinder, Compounding master. S. Schnell. 2,448,194, Aug. 31.
 Cylinder construction. R. A. Kaser. 2,448,266, Aug. 31.
 Cylinder construction. M. F. Meinertz. 2,444,662, July 6.
 Cylinder construction, Engine. A. T. Gregory. 2,456,272, Dec. 14.
 Cylinder construction, Hydraulic. F. B. Hunter. 2,451,089, Oct. 12.
 Cylinders, Electroplating. S. Coulson. 2,435,872, Feb. 10.
 Cylinder, Engine. H. Johnson. 2,448,983, Sept. 7.
 Cylinder firing position locator used in adjusting valve clearance. G. W. Viers. 2,437,283, Mar. 9.
 Cylinder for hydraulic brakes, Master. R. R. Birchfield. 2,434,063, Jan. 6.
 Cylinder for hydraulic brakes, Pressure. A. E. Roy. 2,456,325, Dec. 14.
 Cylinder head construction, bridge cooling. R. H. Shepard. 2,450,998, Oct. 12.
 Cylinder holder. A. De Mott. 2,436,292, Feb. 17.
 Cylinder liner. E. L. Larson. 2,438,837, Feb. 10.
 Cylinder liner. W. E. Pielop, Jr. 2,447,027, Aug. 17.
 Cylinder liner for opposed-piston engines. H. Lieberherr. 2,446,841, Aug. 10.
 Cylinder liner for opposed piston engines. H. Steiner. 2,444,382, June 29.
 Cylinder, Master. P. S. Baldwin. 2,444,181, June 29.
 Cylinder, Master. J. G. Hawley. 2,444,043, June 29.
 Cylinder, Master. R. F. Smith and B. E. Clark. 2,447,142, Aug. 17.
 Cylinder plug for gas-operated guns with grenade launchers. C. H. Coates. 2,453,699, Nov. 16.
 Cylinder ridge reamer. H. A. Berkman. 2,452,095, Oct. 26.
 Cylinder, Self-bleeding hydraulic. E. Gravenhorst and R. E. Vaughn. 2,452,369, Oct. 26.

- Cylinder, Sliding compressor. W. A. Ledwith. 2,434,323, Jan. 13.
- Cylinder surface character. H. M. Bramberry. 2,434,880, Jan. 20.
- Cylinders for dump trucks, Pivoting hydraulic power. H. O. Day. 2,453,975, Nov. 16.
- d-Chonodocurarine halides and making same. O. Wintersteiner and J. D. Dutcher. 2,440,708, May 4.
- DDT-alkylated naphthalene insecticide, Low-temperature noncrystallizing. E. E. Fleck and R. K. Preston. 2,448,665, Sept. 7.
- DDT, Communiting impure. I. F. Walker. 2,449,028, Sept. 7.
- d-Lysergic acid diethyl amide. A. Stoll and A. Hofmann. 2,438,259, Mar. 23.
- D-saccharic acid, Making. C. L. Mehlretter. 2,436,659, Feb. 24.
- Dairy water heater. E. R. Koppel. 2,448,183, Aug. 31.
- Dampener for measuring instruments, Magnetic. B. Wasko and J. Kistinger. 2,448,477, Aug. 31.
- Dampener, Liquid seal pulsation. C. F. Yates and C. B. Nolte. 2,446,858, Aug. 3.
- Dampener, Vibration. C. Saurer. 2,448,281, Aug. 31.
- Dampener, Vibration. N. E. Wahlberg and F. F. Kishline. 2,450,701, Oct. 5.
- Dampening apparatus, Gas pulsation. F. M. Stephens. 2,437,446, Mar. 9.
- Dampening mechanism, Piano. H. B. Rhodes. 2,456,321, Dec. 14.
- Damper. M. Sobell. 2,454,980, Nov. 30.
- Damper control. T. F. Duis and W. H. Moerchen. 2,441,803, May 18.
- Damper, Door operated. G. Klein. 2,444,402, June 29.
- Damper for check draft air admission, Stovepipe. E. A. Pound. 2,441,286, May 11.
- Damper, Hydraulic. F. Newton. 2,457,708, Dec. 28.
- Damper unit, Combined fine and check draft. J. A. D'Elia. 2,441,398, May 11.
- Damping fluid, High viscosity. J. D. Morgan and R. E. Lowe. 2,442,741, June 1.
- Damping follow-up mechanism by degenerative derivative. F. H. Shepard, Jr. 2,455,618, Dec. 7.
- Damping mechanical vibratory devices. A. L. W. Williams and D. R. Christian. 2,444,620, July 6.
- Damping structure, Sound and vibration. H. N. Eklund. 2,442,347, June 1.
- Dark trace screen. H. W. Leverenz. 2,451,292, Oct. 12.
- Data storing device, Record controlled. H. P. Luhn. 2,453,239, Nov. 9.
- Data transmitting and indicating system. W. Koenig, Jr. 2,443,623, June 22.
- Data transmission system, Telemetric. F. S. Kinkead, W. A. Phelps, E. M. Smith, F. J. Singer, and L. E. Melhuish. 2,450,516, Oct. 5.
- Davenport, Bed. I. C. Poskin. 2,438,127, Mar. 23.
- Davenport, Folding arm. A. L. Ewing. 2,452,642, Nov. 2.
- Deaerating heater. C. H. Bergquist. 2,452,716, Nov. 2.
- Deashing sulfonated coumarone-indene resins. A. Voet. 2,445,193, July 13.
- Debarking apparatus. A. P. Schnyder. 2,448,689, Sept. 7.
- Deburring tool. J. P. Michela. 2,448,385, Aug. 31.
- Decalcomania applying machine. J. D. Klopstein and H. C. Rathke. 2,435,224, Feb. 3.
- Decapper, Comb. W. C. Ladwig. 2,448,986, Sept. 7.
- Decarboxylation of 3,4-dihydroxy-2,5-dicarboxythiophene. S. G. Turnbull, Jr. 2,453,103, Nov. 2.
- Decarburizing austenitic manganese cast iron. A. G. E. Robiette and P. F. Hancock. 2,435,946, Feb. 10.
- Deceleration control apparatus. J. C. McCune. 2,447,709, Aug. 24.
- Deceleration control apparatus. J. C. McCune and G. K. Newell. 2,447,710, Aug. 24.
- Decelerator. R. H. Hieger, E. Olson, and S. M. Udale. 2,443,562, June 15.
- Decelerometer. J. H. Goss. 2,448,367, Aug. 31.
- Decimal point locator for slide rules. A. F. Eckel. 2,446,696, Aug. 10.
- Deciphering system, Mechanical. A. H. Reiber. 2,449,789, Sept. 21.
- Decorating apparatus. W. H. Emerson. 2,437,224, Mar. 2.
- Decorating machine, Stencil. B. Martin. 2,444,574, July 6.
- Decorating pottery ware, Method and apparatus for. W. J. Miller. 2,438,514, Mar. 30.
- Decoy. V. Ballard. 2,450,572, Oct. 5.
- Decoy. L. C. Hufford. 2,437,604, Mar. 9.
- Decoy. M. E. Jackson. 2,439,167, Apr. 6.
- Decoy. W. R. Johnson. 2,435,083, Jan. 27.
- Decoy. A. M. Signalness. 2,434,335, Jan. 13.
- Decoy, Collapsible wild fowl. W. A. Banigan. 2,439,710, Apr. 13.
- Decoy, Duck. G. E. Carpenter. 2,441,753, May 18.
- De-emulsification of water gas tar emulsions and oil gas tar emulsions. S. A. Petrino. 2,448,684, Sept. 7.
- Deep well pump. C. A. Neely. 2,455,084, Nov. 30.
- Defibering lignocellulose while subjected to steam and a digestive chemical. H. E. Walter. 2,454,532, Nov. 23.
- Defibering lignocellulose while subjected to steam and alkali-metal hydroxide. H. E. Walter. 2,454,534, Nov. 23.
- Deflecting circuit for cathode-ray tubes. R. D. Boadle and I. A. Hood. 2,445,017, July 13.
- Deflecting circuits. L. R. Kirkwood and P. F. G. Holst. 2,449,169, Sept. 14.
- Deflector for accordions, Sound. R. Pancotti. 2,448,682, Sept. 7.
- Deflector for tractors, Hot-air. C. E. Clapper. 2,452,834, Nov. 2.
- Deflector plate for furnaces, Movable. F. R. Higley. 2,443,910, June 22.
- Defluorinated tricalcium phosphate, Manufacture of. C. A. Butt. 2,442,969, June 8.
- Defluorination of phosphate rock. E. J. Maust. 2,446,978, Aug. 10.
- Deformable switch. N. Paul. 2,437,969, Mar. 16.
- Defroster, Windshield. J. T. Bell. 2,440,923, May 4.
- Defrosting deflector, Refrigerator. J. V. Mesite. 2,449,709, Sept. 21.
- Defrosting mechanism in refrigerating apparatus. I. Kramer. 2,440,146, Apr. 20.
- Degasser for internal combustion engines. M. Mallory. 2,439,573, Apr. 13.
- Degreasing. J. J. Skelly and E. K. Ralston. 2,456,335, Dec. 14.
- Degreasing apparatus embodying means for confining solvent vapor. M. Jaffa. 2,442,272, May 25.
- Degreasing iron and aluminum, Solvent for. W. Klabunde. 2,440,100, Apr. 20.
- Dehumidifying unit. W. B. Holden. 2,440,272, Apr. 27.
- Dehydrated foods, Compressing. N. M. Adams. 2,445,752, July 27.
- Dehydrating apparatus, Sprayer for. S. A. Kloda. 2,450,599, Oct. 5.
- Dehydrating aqueous mixtures. R. Rosen and J. C. Zimmerman. 2,440,489, Apr. 27.
- Dehydrating system. A. G. Sherman. 2,450,843, Oct. 5.
- Dehydration of alkyl ketones. V. N. Ipatieff and C. B. Linn. 2,443,732, June 22.
- Dehydration of corn. P. W. Salo. 2,446,162, July 27.
- Dehydration of hydroxylated oils. J. B. Rust. 2,456,996, Dec. 21.
- Dehydration of saturated nitriles. J. W. Teter and W. J. Merwin. 2,453,472, Nov. 9.
- Dehydration process. J. E. Bludworth, M. O. Robeson, and H. A. Truby, Jr. 2,439,416, Apr. 13.
- Dehydration process. R. Johnson. 2,436,864, Mar. 2.
- Dehydration process and catalyst. W. J. Hale. 2,441,966, May 25.
- Dehydrator. J. C. Lowe. 2,452,134, Oct. 26.
- Dehydrator apparatus. E. H. Guthrie. 2,448,144, Aug. 31.
- Dehydrator for ignition systems. M. F. Peters and J. J. Phillips. 2,442,015, May 25.
- Dehydrator for refrigerating systems. C. C. Brinkoeter. 2,449,688, Sept. 21.
- Dehydrofluorination of polyfluoroalkanes. O. W. Cass. 2,422,993, June 8.
- Dehydrofluorination process. J. D. Gibson. 2,448,092, Aug. 31.
- Dehydrogenating butane. K. C. Laughlin and H. J. Ogorzaly. 2,436,721, Feb. 24.
- Dehydrogenating saturated nitriles to unsaturated nitriles. J. W. Teter. 2,452,505, Oct. 26.
- Dehydrogenation catalysts. K. K. Kearby. 2,442,131, May 25.
- Dehydrogenation of hydrocarbons. B. E. Roetheli. 2,440,525, Apr. 27.
- Dehydrogenation of hydrocarbons by contact with catalysts supported on alumina stabilized by aluminum phosphate. R. I. Stinton. 2,441,297, May 11.
- Dehydrogenation of monoolefins to diolefins catalyzed by calcium nickel phosphate-chromium oxide composite. E. C. Britton and A. J. Dietzler. 2,442,320, May 25.
- Dehydrogenation of olefins, Process and catalyst for the. E. C. Britton and A. J. Dietzler. 2,442,319, May 25.
- Dehydrogenation of 2,3-dimethylbutane. F. E. Frey. 2,438,315, Mar. 23.
- Dehydrogenation process. S. D. Sumerford. 2,436,616, Feb. 24.
- Deicer, Clear vision windshield. J. H. Webster. 2,445,413, July 20.
- Deicing and engine silencing construction, Airplane. F. P. Chadsey. 2,446,210, Aug. 3.
- Deicing composition for aircraft parts and surfaces. T. A. Dissel and I. L. Newell. 2,454,814, Oct. 19.
- Deicing or anti-icing means, Fan. E. P. Palmatier. 2,446,663, Aug. 10.
- Deicing system for aircraft surfaces. E. P. Palmatier. 2,440,115, Apr. 20.
- Deicing system for propeller blades. G. A. Dean. 2,449,457, Sept. 14.
- Delay action control switch. S. Williamson. 2,450,323, Sept. 28.
- Delay line. J. L. Jago. 2,452,572, Nov. 2.
- Delayed action electric switch. P. A. and W. R. Nelson. 2,437,037, Mar. 2.
- Delayed-action switch. G. W. Anderson. 2,439,069, Apr. 6.
- Delayed start alternating-current motor. O. G. Coffman. 2,440,896, May 4.
- Deleading gasoline. M. S. Kharasch. 2,453,138, Nov. 9.
- Deleading zinc-lead fume. C. Bardwell. 2,442,674, June 1.
- Delivery and dispensing apparatus, Beer. L. Schottgen and M. J. Parkerton. 2,437,618, Mar. 9.
- Delivery cabinet. E. M. Gulow. 2,447,409, Aug. 17.
- Δ^1 -Androstendione and making the same. A. Butenandt. 2,441,560, May 18.

- Δ^2 -tetrahydrobenzaldol. J. E. Blutworth and D. P. Easter. 2,436,416, Feb. 24.
- Demand valve. F. E. J. Frye and E. A. Pollard. 2,437,462, Mar. 9.
- Demethylation of hydrocarbons in presence of water. V. Haensel. 2,436,923, Mar. 2.
- Demodulator device for frequency and amplitude modulations. E. H. Lange. 2,445,621, July 20.
- Demodulator for frequency modulated waves. L. A. de Rosa. 2,441,957, May 25.
- Demulsifying compositions. E. A. Vitalis. 2,435,810, Feb. 10.
- Dense products from cement material, Manufacture of. J. R. Parsons. 2,451,445, Oct. 12.
- Densitometer. C. M. Tuttle. 2,437,411, Mar. 9.
- Densitometer, Electronic comparator. E. C. Thomson. 2,442,910, June 8.
- Dent for weaving reeds. J. P. J. Lussardi. 2,434,114, Jan. 6.
- Dental accessory. S. A. Massimiano. 2,451,849, Oct. 19.
- Dental appliance. A. Kaplan. 2,448,437, Aug. 31.
- Dental appliance. F. J. Moylan. 2,451,766, Oct. 19.
- Dental articulator and producing same. C. S. Kile. 2,434,415, Jan. 13.
- Dental chair unit. C. W. Johnson and J. T. Clark. 2,449,385, Sept. 14.
- Dental floss holder. J. Buscarino. 2,443,415, June 15.
- Dental floss holder. M. Swartzman. 2,451,181, Oct. 12.
- Dental handpiece. G. E. Björklund. 2,448,348, Aug. 31.
- Dental impression accessory. R. E. Hawkinson. 2,450,591, Oct. 5.
- Dental impression composition. S. E. Noyes. 2,434,005, Jan. 6.
- Dental inlay. A. H. Tamarin. 2,438,725, Mar. 30.
- Dental operating lamp construction. E. H. Greppin. 2,437,516, Mar. 9.
- Dental plate container. O. S. Jones. 2,444,294, June 29.
- Dental root preparation instrument. P. Brooks. 2,453,696, Nov. 16.
- Dental tool attachment. J. H. Blair. 2,451,192, Oct. 12.
- Dental unit, Pocket prophylaxis. M. J. and L. F. Molumby. 2,455,600, Dec. 7.
- Denture composition and preparing the same, Porcelain type. P. W. Lee and C. Dietz. 2,443,318, June 15.
- Denture repair tool. A. B. Cline. 2,453,303, Nov. 9.
- Denture stress reliever. L. W. Busby. 2,457,529, Dec. 28.
- Dentures, Making. C. Joannides. 2,454,457, Nov. 23.
- Deodorizer. J. M. Eicove and A. B. Baumgartner. 2,442,080, May 25.
- Deodorizer for toilet bowls. F. Grinham. 2,444,441, July 6.
- Deodorizing and steam condensing device. G. D. Moody. 2,452,859, Nov. 2.
- Deodorizing composition of matter for food storage compartments. C. J. Burgess. 2,439,538, Apr. 13.
- Depilatory device. G. D. Hofe. 2,434,407, Jan. 13.
- Depositing metallic layers, Method and apparatus for. H. L. Lindblad. 2,445,177, July 13.
- Depositing nonreflective films and composition therefor. P. King. 2,455,367, Dec. 7.
- Depositing substances by thermal evaporation in vacuum chambers, Method of and apparatus for. P. Alexander. 2,440,135, Apr. 20.
- Deposition of indium and bath therefor, Electrolytic. J. R. Dyer, Jr. 2,452,361, Oct. 26.
- Depurator, Rectal spray. W. J. Coward. 2,452,997, Nov. 2.
- Derivative of cellulose yarn, Sized organic. R. H. Balch and I. G. McCormick. 2,448,571, Sept. 7.
- Derivative of the adduct of levo-pimaric acids and maleic anhydride and preparation thereof. G. C. Harris. 2,447,750, Aug. 24.
- Derivatives of dihydropyran, Production of. P. A. Hawkins and N. Bennett. 2,439,928, Apr. 20.
- Derivatives of polymeric allyl-type alcohols. R. R. Whetstone. 2,445,652, July 20.
- Derivatives of 3-oxo-4-hydroxy-thiophan and process for the manufacture thereof. P. Karrer. 2,436,865, Mar. 2.
- Derivatives of 2-amino-diphenylsulfone. D. E. Kvalnes. 2,443,255, June 15.
- Dermatome. G. J. Hood. 2,435,278, Feb. 3.
- Dermatome. J. D. Reese. 2,442,434, June 1.
- Dermatome. J. D. Reese. 2,442,436, June 1.
- Derrick. T. S. De Cuir. 2,443,306, June 15.
- Descent retarder. L. Johnston. 2,445,400, July 20.
- Desiccating food products. C. Birdseye. 2,452,983, Nov. 2.
- Design-mold for treating fur. A. L. Foster. 2,449,111, Sept. 14.
- Designing solar houses, Method and apparatus for use in. W. A. Zentis. 2,452,417, Oct. 26.
- Designs on nonmetallic materials, Production of metallic. F. E. Kerridge. 2,435,889, Feb. 10.
- Designs, Producing moiré. A. Holterhoff. 2,448,145, Aug. 31.
- Desk of packing case construction. El. R. Goldfield and R. C. Schrling. 2,455,991, Dec. 14.
- Desk with mail indicating system, Registration. M. G. Rapp. 2,454,088, Nov. 16.
- Destroyer, Mine. J. L. Bisch. 2,455,354, Dec. 7.
- Destroying froth. J. O. Naücler. 2,446,717, Aug. 10.
- Destroying insect life, Method and apparatus for. F. S. Smith. 2,453,818, Nov. 16.
- Destructive distillation of cashew nut shell liquid and product thereof. W. F. Schaufelberger. 2,447,432, Aug. 17.
- Desulfurization of triisobutylene. R. C. Brandon. 2,436,550, Feb. 24.
- Detachable electrical connector. E. W. Breisch. 2,436,914, Mar. 2.
- Detachable handle. J. E. Hargrave and E. G. Chamberlain. 2,445,265, July 13.
- Detachable hose coupling. I. Cowles. 2,452,908, Nov. 2.
- Detachable sash fastener. F. Mastrangelo. 2,455,077, Nov. 30.
- Detachable sprocket wheel. L. H. Hornbrook, Jr., N. B. Wienke, and O. Cullman. 2,436,694, Feb. 24.
- Detaching system. F. L. Crockett. 2,444,554, July 6.
- Detecting and alarm system. C. W. Baird. 2,435,996, Feb. 17.
- Detecting and indicating system for explosive gases. C. B. Stallsmith. 2,441,677, May 18.
- Detecting changes in dimensions, Method and apparatus for. M. Blau. 2,451,908, Oct. 19.
- Detecting device, Object. I. Wolff. 2,451,141, Oct. 12.
- Detection and communicating system, Obstacle. E. Labin. 2,444,452, July 6.
- Detection apparatus, Electrical. N. S. Rich. 2,450,166, Sept. 28.
- Detection of high-speed charged particles. R. H. Dicke. 2,448,963, Sept. 7.
- Detection of small leaks in receptacles. C. R. Wade. 2,434,448, Jan. 13.
- Detection system, Optical heat. W. A. Tolson. 2,456,801, Dec. 21.
- Detection system, Tridimensional obstacle. H. G. Busignies. 2,449,976, Sept. 28.
- Detector and indicator for bowling alleys, Foul. P. M. Smith. 2,455,909, Dec. 7.
- Detector, Angle modulated wave. W. L. Carlson. 2,456,915, Dec. 21.
- Detector, Cooling system leak. B. H. Eaton. 2,446,219, Aug. 3.
- Detector, Dew point. O. T. McIlvaine. 2,435,895, Feb. 10.
- Detector, Dragging equipment. E. K. Post. 2,435,365, Feb. 3.
- Detector for electric wire fences, Ground. W. Heimke. 2,440,900, May 4.
- Detector for railway car wheels, Defect. J. J. Mason. 2,452,480, Oct. 26.
- Detector, Image-forming heat. W. A. Tolson. 2,435,519, Feb. 3.
- Detector, Insulation break. D. Shailot. 2,456,453, Dec. 14.
- Detector, Magnetic. W. R. Malthy and R. H. Park. 2,436,394, Feb. 24.
- Detector, Magnetic. F. G. Merrill. 2,448,613, Sept. 7.
- Detector, Magnetic field. D. H. Cunningham and H. Belar. 2,438,964, Apr. 6.
- Detector, Magnetic flaw. E. G. Parvin. 2,439,184, Apr. 6.
- Detector, Modulated heat ray. M. D. Liston. 2,442,298, May 25.
- Detector, Obstacle. J. Evans. 2,445,213, July 13.
- Detector or frequency changer for radio-frequency oscillations. D. Weighton. 2,446,118, July 27.
- Detector, Radiation. D. G. C. Hare. 2,440,511, Apr. 27.
- Detector, Radiation. F. P. Hochgesang. 2,445,305, July 13.
- Detector system, Radio wave. C. L. Richards. 2,455,191, Nov. 30.
- Detector, Traffic. J. L. Barker. 2,441,554, May 18.
- Detector, Transmission line flashover. A. L. Kinyon and W. E. Scarborough. 2,434,933, Jan. 27.
- Detector, Vapor. R. T. Marett and W. R. Richards. 2,445,073, July 13.
- Detector, Web break. G. B. Dunn. 2,451,816, Oct. 19.
- Detent. S. G. Smith. 2,443,697, June 22.
- Detent means. H. R. Greenlee. 2,451,730, Oct. 19.
- Detent mechanism for pressure regulators. F. J. Wright. 2,446,355, Aug. 3.
- Detergent briquette. J. D. MacMahon. 2,444,836-7, July 6.
- Detergent composition. L. F. Henderson and B. L. Maxwell. 2,437,253, Mar. 9.
- Detergent compositions, Nondusting. S. Eisenberger and S. Machlis. 2,455,050, Nov. 30.
- Detergent, Reverse. W. H. Kirkpatrick and D. L. Wilson. 2,435,925, Feb. 10.
- Deterioration inhibitors for a hydrocarbon motor fuel. A. C. Ruggles. 2,443,569, June 15.
- Determinator, Sound wave direction. R. W. Fairweather. 2,434,644, Jan. 20.
- Determining the approximate amount of oil film on an article, Method and apparatus for. P. F. Trevor. 2,456,342, Dec. 14.
- Determining the magnitude of a condition, Method and apparatus for. W. H. Bussey. 2,444,726, July 6.
- Determining the permeability of substrata. G. Herzog and A. Wolf. 2,446,588, Aug. 10.
- Detonating or impact fuse. H. J. Nichols. 2,446,019, July 27.
- Detonation in engines, Suppression of. W. T. Hancock. 2,436,570, Feb. 24.
- Detonation meter. D. R. de Boisblanc. 2,448,323, Aug. 31.
- Detonation meter. R. G. Piety. 2,445,322, Aug. 31.
- Detonation pickup. J. R. Burns and J. M. Whitmore. 2,435,031, Jan. 27.

- Developing apparatus, Film. W. R. Gardiner and J. T. Mays. 2,453,900, Nov. 16.
- Developing machine. H. H. and W. L. Sullivan and F. G. Wilde. 2,442,941, June 8.
- Developing rack. H. Millman. 2,447,986, Aug. 24.
- Deviation correcting means for magnetic devices. F. D. Braddon. 2,443,595, June 22.
- Device adapted to produce saw tooth oscillations. J. Haantjes. 2,456,700, Dec. 21.
- Device comprising a mercury cathode tube for interrupting electric currents of high voltage. J. G. W. Mulder and A. Bouwers. 2,445,075, July 13.
- Device for adjusting breaker units. T. J. Basista. 2,453,774, Nov. 16.
- Device for adjusting the blades of ships' propellers. E. Atteslander. 2,456,361, Dec. 14.
- Device for administering anaesthetics. E. S. Graybeal. 2,455,757, Dec. 7.
- Device for air bombs, Safety. E. I. Lindman. 2,456,289, Dec. 14.
- Device for and method of using adhesive. G. H. Fritzinger. Re. 22,972, Feb. 10.
- Device for applying and distributing wax, oil and other like material to floors and like surfaces, Pad-mounting. J. E. Horn. 2,438,338, Mar. 23.
- Device for assembling collapsible egg cartons. L. Schwartzberg. 2,438,074, Mar. 16.
- Device for assisting in a hand-labeling operation. E. H. Pierce. 2,457,489, Dec. 28.
- Device for attaching antiskid chains to vehicle wheels. B. D. Landes. 2,434,362, Jan. 13.
- Device for attaching gummed labels, Hand. M. Castel. 2,435,129, Jan. 27.
- Device for automatically inserting marking strips in piles of sheets. L. Namenyi-Katz. 2,452,138, Oct. 26.
- Device for block molding, Tamping. F. C. George. 2,456,181, Dec. 14.
- Device for cables and wires and rods, Clamping. J. E. Anderson. 2,440,532, Apr. 27.
- Device for camera or projector lenses for producing reversed images. D. Heyer. 2,442,564, June 1.
- Device for clamping and locking work in jigs or fixtures. C. P. Green. 2,456,183, Dec. 14.
- Device for cleaning filters. J. Muller. 2,434,427, Jan. 13.
- Device for coin-fired apparatus, Commodity delivery. A. Jørgensen. 2,457,778, Dec. 28.
- Device for computing lapse of time. C. F. Strate. 2,437,621, Mar. 9.
- Device for conference calls in subscribers' devices for loud and faintly audible traffic. O. Tschumi. 2,449,344, Sept. 14.
- Device for connecting yarn ends. J. A. Waugh and R. Wallin. 2,449,349, Sept. 14.
- Device for conveying picked fruit from the hand to a remote receptacle. R. E. Faulkner. 2,437,461, Mar. 9.
- Device for cooling systems, Regulating. F. W. Hild. 2,435,041, Jan. 27.
- Device for cutting noncircular holes. P. Loung. 2,453,025, Nov. 2.
- Device for decorating materials. F. S. Guenther. 2,449,810, Sept. 21.
- Device for demonstrating the action of the front wheels of automobiles. S. R. Milburn. 2,449,499, Sept. 14.
- Device for depositing material in well holes. J. D. Haynes. 2,437,663, Mar. 9.
- Device for detecting turn or measuring rate of turn. F. W. Meredith. 2,455,939, Dec. 14.
- Device for determining photoelectrically the concentration of a solute in a solvent. M. Mass. 2,447,985, Aug. 24.
- Device for determining slope of grain in wood veneers. J. P. Limbach and B. H. Paul. 2,436,653, Feb. 24.
- Device for discharging hollow glassware blown in a finishing mold. A. Wyss. 2,438,088, Mar. 16.
- Device for discriminating between fixed and moving objects. R. E. Rutherford. 2,437,173, Mar. 2.
- Device for dispensing articles. J. G. Carline. 2,457,345, Dec. 28.
- Device for dispensing lump sugar. L. J. Scott. 2,439,697, Apr. 13.
- Device for drawing on stockings. L. D. Park. 2,443,115, June 8.
- Device for earth-working tools, Vertical adjustment. R. R. Rosel. 2,440,759, May 4.
- Device for electric resistance heating of metals and controls therefor. W. H. Scott. 2,450,362, Sept. 28.
- Device for eliminating dead-heat decisions in racing. C. G. Allen. 2,443,572, June 15.
- Device for exercising ocular muscles. M. E. Floegel. 2,445,519, July 20.
- Device for expanding rubber rings. A. O. Hammond. 2,447,474, Aug. 17.
- Device for facilitating circuit design. J. Alter. 2,446,993, Aug. 17.
- Device for facilitating stoker installations. R. F. Graham. 2,452,454, Oct. 26.
- Device for footwear, Antislip. F. Vorsanger. 2,435,169, Jan. 27.
- Device for framing ladies' handbags. S. Kolsky. 2,452,766, Nov. 2.
- Device for hair driers, Protection. J. E. Garing. 2,456,180, Dec. 14.
- Device for handling cakes of ice and delivering same in comminuted form. F. W. Brady. 2,435,030, Jan. 27.
- Device for handling, progressing, and turning a wheel-equipped axle. S. W. Johnson and C. G. Zarembinski. 2,445,436, July 20.
- Device for hidden explosive mines. R. C. Darnell. 2,448,020, Aug. 31.
- Device for hoisting bales. J. W. Rutledge. 2,457,181, Dec. 28.
- Device for hoists, Safety. J. E. Patterson. 2,456,646, Dec. 21.
- Device for holding articles in roofs of automobiles. R. F. Fowler. 2,438,659, Mar. 30.
- Device for holding food during storage, cooking, and slicing. E. E. Cox. 2,442,557, June 1.
- Device for igniting and energizing mercury rectifiers. H. Keller and C. Ehrensperger. 2,435,357, Feb. 3.
- Device for improving manual control. H. K. Weiss. 2,442,389, June 1.
- Device for indicating direction and distance. G. de Vries. 2,444,388, June 29.
- Device for indicating underinflation of tires. H. D. Twombly. 2,442,104, May 25.
- Device for inserting springs in pockets. H. P. Glazier. 2,434,209, Jan. 6.
- Device for inspecting blood circulation. W. Ryan. 2,455,810, Dec. 7.
- Device for launching projectiles. H. J. Janney. 2,445,326, July 20.
- Device for launching torpedoes. B. Johnsen. 2,435,444, Feb. 3.
- Device for locating and following of objects. H. F. Rost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,438,576, Mar. 30.
- Device for making color prints. A. Simmon. 2,438,303, Mar. 23.
- Device for making electrical-conductivity test on tubular articles. G. R. Greenslade. 2,440,044, Apr. 20.
- Device for making test prints on color print material. A. Simmon and L. L. Weisglass. 2,446,111, July 27.
- Device for manufacturing pasteboard containers. H. G. Faucherre. 2,441,014, May 4.
- Device for measuring rate of fluid flow. H. Lehde and W. T. Lang. 2,435,043, Jan. 27.
- Device for mechanically recording sound in two tracks. K. De Boer. 2,440,841, May 4.
- Device for mending stockings. M. Vitoux. 2,449,154, Sept. 14.
- Device for mixing fertilizer with soil and screening. J. Marsh. 2,454,662, Nov. 23.
- Device for mixing plaster compounds and mixtures. G. M. Hollenback. 2,453,914, Nov. 16.
- Device for mounting loupes on spectacles. G. V. Szabo. 2,441,453, May 11.
- Device for night fishing. E. M. Digmon. 2,446,459, Aug. 3.
- Device for opening and closing a breech block mechanism, Recoil operated. F. A. Vick. 2,434,972, Jan. 27.
- Device for packaging and dispensing intravenous solutions. N. Evans. 2,447,691, Aug. 24.
- Device for pasting wallpaper, Portable. F. L. Lowery. 2,440,481, Apr. 27.
- Device for practicing golf. S. A. Millner. 2,448,904, Sept. 7.
- Device for preserving objects requiring liquid supply. D. Hamlet. 2,453,906, Nov. 16.
- Device for preventing excessive condensation in the insulating space of refrigerators. J. S. Palmer. 2,454,715, Nov. 23.
- Device for preventing overtravel of operating mechanisms. A. C. Davis. 2,454,636, Nov. 23.
- Device for preventing underground freezing. R. J. Neutra. 2,446,948, Aug. 10.
- Device for producing aerosols. A. W. Lindquist, C. N. Husman, and H. O. Schroeder. 2,436,478, Feb. 24.
- Device for production of underwater sound fields. C. T. Zahn. 2,434,682, Jan. 20.
- Device for protecting the ear drum. J. J. Cantor. 2,441,866, May 18.
- Die for reciprocating metal plate bender, Pivoted forming. W. T. Glud. 2,433,841, Jan. 6.
- Device for recording acceleration in planes. A. A. McPherson. 2,441,162, May 11.
- Device for regulating electrical discharge. T. Tognola and M. S. Thorn. 2,447,377, Aug. 17.
- Device for regulating the pitch of two counterrotating coaxial propellers. R. Doussain. 2,455,239, Nov. 30.
- Device for releasing snagged fishing lures or baits. E. F. McDonald, Jr. 2,453,245, Nov. 9.
- Device for removing extruded plaster from exterior surfaces of dental flasks. D. E. Bell. 2,454,427, Nov. 23.
- Device for repointing twist drills. D. Crowther. 2,455,562, Dec. 7.
- Device for resurfacing grinding wheels. M. J. Nagy and L. Belz. 2,451,235, Oct. 12.
- Device for retarding and for regulating the speed of the flow in accordions and similar musical reed instruments. R. Seybold. 2,434,441, Jan. 13.
- Device for rotary drum filters, Scraping. C. L. Peterson. 2,444,466, July 6.
- Device for setting saw teeth. B. N. and J. B. Engle. 2,441,404, May 11.
- Device for selecting metal pieces. E. R. Mann and T. T. Goldsmith, Jr. 2,448,814, Sept. 7.

- Device for separating liquid or foreign matter in suspension from fluid under pressure. H. J. Goodyer. 2,447,119, Aug. 17.
- Device for sharpening drills. J. Perkins. 2,439,144, Apr. 6.
- Device for sharpening hypodermic needles. R. R. Stabler. 2,452,697, Nov. 2.
- Device for sharpening hypodermic needles. R. L. Torteson. 2,443,937, June 22.
- Device for signalling or releasing by electric power capacitors. R. Nordell. 2,449,817, Sept. 21.
- Device for simulating radarscope images. S. J. McDermott and H. J. Kostkos. 2,443,631, June 22.
- Device for simultaneously filling and weighing bags. E. W. Vredenburg. 2,436,983, Mar. 2.
- Device for slicing eggs into layers. J. W. Harbanoff. 2,455,416, Dec. 7.
- Device for slitting the sheath of a cable. D. F. Fasoldt. 2,457,540, Dec. 28.
- Device for splicing cable. O. C. Roesen. 2,456,149, Dec. 14.
- Device for supporting workpieces to be tooled. E. Burri. 2,447,562, Aug. 24.
- Device for suppressing objectionable tones in instruments of the violin family. W. G. Burhans. 2,444,280, June 29.
- Device for teaching the blind. E. C. Seaman. 2,456,155, Dec. 14.
- Device for teaching correct penmanship, Educational. S. R. Greenberg. 2,456,632, Dec. 21.
- Device for tempering steam. W. C. Glover, Jr. 2,455,754, Dec. 7.
- Device for testing electric irons. P. M. Kaumans. 2,447,580, Aug. 24.
- Device for testing magnetic materials. T. T. Goldsmith, Jr., and E. R. Mann. 2,448,794, Sept. 7.
- Device for the control of flow of fluids. H. Dahnke. 2,456,626, Dec. 21.
- Device for the fixing of dental apparatus in the cavity of the mouth in a definite position relative to the teeth. K. A. S. Karlström. 2,434,320, Jan. 13.
- Device for the frequency modulation of the resonant frequency of cavity resonators. J. O. H. Fredholm and P. H. E. Claesson. 2,436,640, Feb. 24.
- Device for the joining of tubes. K. L. Bergvall and E. E. Dahlberg. 2,452,219, Oct. 26.
- Device for the manufacture of artificial sausage skins. J. Wolff. 2,448,067, Aug. 31.
- Device for the mutual and detachable support of two objects. F. Nemec. 2,456,425, Dec. 14.
- Device for the separate supply of the fuel and of the combustion air for explosion engines. A. Brandenburg and A. Jolivet. 2,440,572, Apr. 27.
- Device for the transmission of calling and clearing signals in long distance telephonic circuits. M. Lebedinsky. 2,440,281, Apr. 27.
- Device for the transmission of signals by means of frequency-modulated carrier waves. J. van der Mark and T. J. Weyers. 2,455,959, Dec. 14.
- Device for the treatment of wounds and the like lesions. L. P. Séné. 2,443,481, June 15.
- Device for tiltably mounting circular saw blades upon an arbor. F. Rooney. 2,441,976, May 25.
- Device for trailers, Safety. C. F. Mooney. 2,438,346, Mar. 23.
- Device for transferring fluids. J. W. Campbell. 2,435,033, Jan. 27.
- Device for transforming direct current into alternating current or vice versa. P. N. Bendixen. 2,449,048, Sept. 14.
- Device for transporting and launching boats. C. L. Buntin. 2,442,071, May 25.
- Device for treating wire. L. R. Hill and J. J. Keyes. 2,434,565, Jan. 13.
- Device for trisecting angles. G. C. Robinson. 2,450,167, Sept. 28.
- Device for truing and sharpening dough cutters. S. C. Kenyon. 2,455,585, Dec. 7.
- Device for use in determining photographic exposures. D. W. Norwood. 2,444,464, July 6.
- Device for use in retreading and vulcanizing pneumatic tires. A. G. Guzik. 2,443,955, June 22.
- Device for watermarking paper. H. P. Bailey and G. S. Taylor. 2,442,673, June 1.
- Device for washing bottles. N. Udell. 2,435,807, Feb. 10.
- Device for wave length transformation of very short waves. K. Posthumus. 2,453,078, Nov. 2.
- Device for winding a plurality of lines at relatively irregular speeds about a common shaft. E. S. Knight. 2,435,787, Feb. 10.
- Device for winding hectograph rolls evenly. W. J. Champion. 2,448,659, Sept. 7.
- Device for working thermoplastic materials. V. C. Ehnborn. 2,454,437, Nov. 23.
- Device producing ornamental bubble effects and method. A. Abramson. 2,453,176-7, Nov. 9.
- Device to open containers. E. B. White. 2,436,133, Feb. 17.
- Device to regulate depth of gasoline in the float chamber of a carburetor. L. W. Gilbert. 2,448,709, Sept. 7.
- Device to test synchro circuit and synchro equipment. B. W. Ridley. 2,434,961, Jan. 27.
- Devices for arresting undulations in bridging structures. M. R. Wolfard. 2,457,426, Dec. 28.
- Devices for exercising and treating feet. W. Gustlin. 2,448,797, Sept. 7.
- Dewatering apparatus. W. F. Bankauf and H. B. Fisher. 2,453,961, Nov. 16.
- Dewatering screen. J. W. Wantling. 2,457,018, Dec. 21.
- Dewaxing of hydrocarbon oils. S. W. Ferris. 2,451,545, Oct. 19.
- Dewaxing oils, Method and apparatus for. H. O. Lindgren. 2,439,434, Apr. 13.
- Dextrins from stillage sirup, Recovering. H. W. Coles. 2,450,717, Oct. 5.
- Dextrose syrups. J. M. Brown, W. A. Bemis, and F. A. Monroe, Jr. 2,438,033, Mar. 16.
- Diacyl, Producing. O. J. Weinkauff. 2,455,631, Dec. 7.
- Diagnostic device, Medical. L. J. B. Gluzek. 2,453,841, Nov. 16.
- Diagnostic instrument for examining the eye. W. N. Allyn. 2,453,887, Nov. 16.
- Dial assembly, Control. A. H. Gerhardt and A. P. Schulz. 2,438,045, Mar. 16.
- Dial for resistance apparatus, Indicating. G. R. Green-slade. 2,437,355, Mar. 9.
- Dial gauge for measuring small bores. E. H. Aldeborgh, A. H. Emery, J. J. Bishop, and E. M. Boat. 2,443,880, June 22.
- Dial holding means for weighing scales. J. G. Jubasz. 2,446,332, Aug. 3.
- Dialing device. J. L. Burke. 2,441,616, May 18.
- Di (alkenyl carbonato) aromatic compounds and polymers thereof. J. A. Bralley and F. B. Pope. 2,455,653, Dec. 7.
- Dialkyl sulfides, Preparation of. R. T. Armstrong. 2,446,072, July 27.
- Dialkoxy propionitriles. A. M. Clifford and J. G. Lichty. 2,438,090, Mar. 16.
- Dialkyl esters of dicarboxylic acids, Preparing. W. F. Gresham. 2,439,425, Apr. 13.
- Dialkyl esters of long-chain alkylphosphonates. M. T. Goebel. 2,436,141, Feb. 17.
- Dialkylaminoalkyl benzhydryl ethers and salts thereof. G. Rievesch, Jr. 2,455,949, Dec. 14.
- Dialkylated polyhydric phenols, Production of. E. R. Erickson. 2,439,421, Apr. 13.
- Dialkylated silicon esters and making them. R. R. McGregor and E. L. Warrick. 2,442,053, May 25.
- Dialkylcyclohexyl glycols and certain derivatives thereof. E. C. Shokal and R. C. Morris. 2,449,956, Sept. 21.
- Dialkyl-substituted dihalogenosilanes, Preparation of. C. S. Ferguson and J. E. Sellers. 2,443,902, June 22.
- Dialkyl sulfosuccinate composition. E. A. Vitalis. 2,441,341, May 11.
- Dialkyl thioacetals of cholestanone and method. S. Bernstein and L. Dorfman. 2,453,566, Nov. 9.
- Dial lock. H. E. Goldstine and O. F. Voigt. 2,436,921, Mar. 2.
- Diallyl diglycolate-styrene copolymer. M. E. Cupery and H. S. Rothrock. 2,451,536, Oct. 19.
- Dial scale mechanism. G. Guldbrandsen. 2,456,186, Dec. 14.
- Dial scale, switch operator, and position indicator, Combined. E. F. McDonald, Jr. 2,437,610, Mar. 9.
- Dial test indicator clamp. M. E. Hester. 2,452,301, Oct. 26.
- Diamides of alkane dicarboxylic acids. H. Martin, H. Gysin, H. Zaeslin, and A. Margot. 2,447,195, Aug. 17.
- Diamides of methane-1:1-dicarboxylic acids. H. Martin, H. Gysin, H. Zaeslin, and A. Margot. 2,447,196, Aug. 17.
- Diamines. W. F. Holcomb and L. A. Sweet. 2,441,665, May 18.
- Diaminocresol, Preparation of. J. Krueger and R. L. Hayes. 2,447,019, Aug. 17.
- Diaminophenol, Preparation of. J. Krueger and R. L. Hayes. 2,447,020, Aug. 17.
- Diamino thiadiazine derivatives. H. A. Walter. 2,454,262, Nov. 16.
- Diamond die production and the like. C. G. Peters, F. K. Harris, W. B. Emerson, I. L. Cooter, and K. F. Nefflen. 2,438,941, Apr. 6.
- Diamond grinding wheel construction. G. E. Hollstrom. 2,442,129, May 25.
- Diamond tool. C. D. Windsor. 2,435,916, Feb. 10.
- Diamond tool and making the same. G. W. Lucas. 2,452,478, Oct. 26.
- Diamond tool dresser. D. W. Carter. 2,438,147, Mar. 23.
- Diamond wheel dressing tool. W. S. Gockinga. 2,435,558, Feb. 3.
- Diaper. A. L. Best. 2,444,973, July 13.
- Diaper washer. W. S. Berry. 2,456,364, Dec. 14.
- Diaphragm applicator. M. W. Prather. 2,444,672, July 6.
- Diaphragm control, Automatic. C. W. Armstrong, C. Sadowsky, and L. S. Hetherington. 2,453,693, Nov. 16.
- Diaphragm control valve. F. R. Goehring. 2,456,403, Dec. 14.
- Diaphragm inserter and remover. C. C. Waterbury. 2,442,066, May 25.
- Diaphragm pump. H. F. Hadley. 2,455,480, Dec. 7.
- Diaphragm pump. S. S. Lippincott. 2,445,293, July 13.
- Diaphragms, Molding. J. C. Arnold. 2,444,394, June 29.
- Diarylacetonitriles, Preparation of certain. A. H. Homeyer and J. S. Splitter. 2,443,246, June 15.
- Diaryl nitrogenous heterocyclic alkylene compounds. M. Bockmuhl, G. Ehrhart, O. Eisleb, and L. Stein. 2,446,522, Aug. 10.

- Diaryl paraffins and their production. M. G. Sturrock, T. Lawe, and W. E. Kemp. 2,439,228, Apr. 6.
- Diazotopy layers containing resorcinol monoesters. W. H. von Glahn and L. N. Stanley. 2,437,868, Mar. 16.
- Dibasic acids, Production of. H. W. Fleming. 2,452,741, Nov. 2.
- Dibasic calcium hypochlorite, Preparing. J. W. Sprauer. 2,441,337, May 11.
- Dice agitator, Liquid filled. A. C. Carter. 2,452,730, Nov. 2.
- Dichlorodiphenyltrichloroethane and cyclohexyldiphenylether insecticidal composition. C. E. Dieter and B. J. Thiels. 2,442,760, June 8.
- Dichloro phenols, Manufacture of. R. T. Foster and N. Bennett. 2,440,602, Apr. 27.
- Dicyandiamide derivatives, Preparation of novel. J. K. Simons. 2,456,090, Dec. 14.
- Dicyanodiamide condensation products and making same. J. Treboux and R. Bellvilá. 2,440,988, May 4.
- Dicyclohexylammonium nitrite and its preparation. A. Wachter and N. Stillman. 2,449,962, Sept. 21.
- Die: *See*—
- | | |
|-----------------------|--------------------|
| Cap die. | Stopper press die. |
| Forming die. | Tube forming die. |
| Material forming die. | |
- Die assembly. J. Stuart, II. 2,449,625, Sept. 21.
- Die assembly and rubber insert for flanging sheet metal. A. A. Timmons. 2,449,428, Sept. 14.
- Die assembly, Chase. F. Auer. 2,456,240, Dec. 14, Oct. 19.
- Die-cast piston. F. J. Stuckert. 2,438,585, Mar. 30.
- Die casting, Heat-treating magnesium-alloy. R. C. Cornell. 2,449,768, Sept. 21.
- Die casting machine. W. Coulthard. 2,449,280, Sept. 14.
- Die-casting machine. L. H. Morin. 2,447,355, Aug. 17.
- Die casting machine. H. A. Stock. 2,447,101, Aug. 17.
- Die casting machine, Automatic. R. Bourret and J. Bardou. 2,445,995, July 27.
- Die cushion. H. D. Aldredge. 2,441,539, May 11.
- Die drawing of hollow glass blanks. C. P. Byrnes. 2,450,115, Sept. 28.
- Die for metal drawing, Conical. R. E. Slater. 2,433,929, Jan. 6.
- Die for slotting and shaping bicycle truss tube ends. F. W. Schwinn. 2,435,294, Feb. 3.
- Die for swedging bullets. F. T. Huntington. 2,451,488.
- Die holder. J. R. Pasdertz. 2,452,141, Oct. 26.
- Die removing device. A. Bolduc. 2,434,983, Jan. 27.
- Die set. A. W. Grunow. 2,445,574, July 20.
- Die set with feeding means. A. J. England. 2,454,143, Nov. 16.
- Die spotting device. A. P. Stewart. 2,434,372, Jan. 13.
- Dielectric composition. F. M. Clark. 2,445,563, July 20.
- Dielectric composition comprising polychloroprene, wax, age resistor, and antioxidant. L. P. Gould and J. W. Whiteside. 2,436,885, Mar. 2.
- Dielectric material and making same. R. D. Nutting. 2,434,079, Jan. 6.
- Dielectric materials. W. O. Haas, Jr. 2,442,810, June 8.
- Dielectric materials, Making. F. B. Hodgdon. 2,446,928, Aug. 10.
- Dielectric seaming apparatus, High-frequency. B. W. Merz and A. M. Schweda. 2,434,330, Jan. 13.
- Dienes, Manufacture of. E. E. Stahly. 2,439,587, Apr. 13.
- Diesel-electric vehicle with automatic field weakening of the driving motors. O. Schläpfer. 2,437,483, Mar. 9.
- Diesel-electric vehicle with automatic field weakening of the driving motors. O. Schläpfer. 2,442,665, June 1.
- Diesel engine. M. M. Roensch. 2,442,664, June 1.
- Diesel engine air meter. S. Pelc. 2,456,213, Dec. 14.
- Diethylamino ethyl ether of diisopropyl carbine. H. Martin, K. Gätzl, and A. Margot. 2,443,796, June 22.
- Diethylaminoethyl piperate hydrochloride. M. E. Synerholm. 2,442,555, June 1.
- Differential concrete pump. C. I. Longenecker. 2,448,104, Aug. 31.
- Differential ion chamber. J. W. Broxon and W. P. Jesse. 2,440,167, Apr. 20.
- Differential leakage indicator. H. B. Kirkley. 2,449,556, Sept. 21.
- Differential pressure valve. J. D. Akerman and M. Schonberg. 2,449,683, Sept. 21.
- Differential railroad car wheel axle. F. A. Showacre. 2,440,351, Apr. 27.
- Differential refractometer. R. F. Stamm, T. Mariner, R. B. Barnes, and C. R. Stryker. 2,445,044, July 13.
- Differential relay and restraint magnet therefor. B. V. Hoard. 2,439,930, Apr. 20.
- Differential twin chamber neutron meter. H. M. Parker. 2,437,476, Mar. 9.
- Differentiating discharge tube. M. Cawein. 2,446,260, Aug. 3.
- Difluoroacetate acid, Preparation of. D. D. Coffman. 2,442,995, June 8.
- Digger, Beet. R. C. Zuckerman. 2,452,418, Oct. 26.
- Digger, Posthole. W. J. McGarr. 2,456,208, Dec. 14.
- Digger, Posthole. M. E. Sonnenberg. 2,435,473, Feb. 3.
- Digging and sorting machine. C. L. Dey. 2,447,399, Aug. 17.
- Digging apparatus, Motor-driven rotary. H. G. Traver. 2,455,148, Nov. 30.
- Digging machine, Potato. L. W. Hogan. 2,456,416, Dec. 14.
- Digit registering means responsive to selective frequencies. H. M. Bascom and G. A. Hubbard. 2,434,898, Jan. 27.
- Dihalogenated saturated lower aliphatic compounds, Production of. H. A. Cheney. 2,442,285, May 25.
- Dihydronordicyclopentadienyl-substituted formals. H. A. Bruson. 2,444,090, June 29.
- Dihydropyran copolymers. N. W. Flodin. 2,443,496, June 15.
- Dihydrothiophenes and preparing same. B. R. Baker. 2,451,428, Oct. 12.
- Diketo acrylates. A. M. Clifford. 2,448,958, Sept. 7.
- Dilator and gauze packer, Combination uterine. A. B. Carmichael, Sr. 2,435,531, Feb. 3.
- Dilator, Inflatable. H. L. Eckard and J. W. Kennedy. 2,435,387, Feb. 3.
- Dilator, Rectal. A. C. Tedford. 2,443,207, June 15.
- Dimeric octadecadienonitrile. H. A. Bruson and W. D. Niederhauser. 2,435,553, Feb. 3.
- Dimerization of alpha-alkyl para-alkyl styrenes. A. J. Warner and T. H. Talbot. 2,450,027, Sept. 28.
- Dimethyl and ethyl thiophenes, Production of. H. E. Rasmussen and R. C. Hansford. 2,450,687, Oct. 5.
- Dimethyl germanium dichloride. E. G. Rochow. 2,451,871, Oct. 19.
- Dimethyl silicone elastomers containing lead monoxide. J. Marsden and G. F. Roedel. 2,436,220, Feb. 17.
- Dimethyl silicone gums, Preparation of. M. M. Safford. 2,454,759, Nov. 20.
- Dimethyl silicone polymers and making them. R. R. McGregor and E. L. Warrick. 2,439,856, Apr. 20.
- Dimethyl silicone polymers, Chlorinated. R. R. McGregor and E. L. Warrick. 2,435,148, Jan. 27.
- Dimethyl silicone products, Making. J. G. E. Wright. 2,452,416, Oct. 26.
- Dimethyl styrene polymerization products and their preparation. K. H. Weber and P. O. Powers. 2,450,028, Sept. 28.
- Dimethyl urea, Preparation of. A. H. Homeyer. 2,444,023, June 29.
- Dimethylolurea, Spray drying. H. M. Cadot and W. B. Clark. 2,436,355, Feb. 17.
- Dimmer, Automatic headlight. R. A. Edell. 2,451,543, Oct. 19.
- Dimpling and riveting machine. H. R. Fischer. 2,442,949, June 8.
- Dimpling apparatus. F. B. Bolte and P. B. Keller. 2,441,790, May 18.
- Dimpling mandrel. H. R. Fischer. 2,455,903, Dec. 7.
- Dinnerware finishing apparatus. W. J. Miller. 2,439,407, Apr. 13.
- Diode detector circuit. T. G. Anderson. 2,437,493, Mar. 9.
- Diolefin extraction. C. F. Morrell. 2,444,945, July 13.
- Diolefin polymer growth, Inhibition of. L. M. Welch and S. B. Lippincott. 2,446,969, Aug. 10.
- Diolefins from an olefinic feed stock, Removing. M. C. K. Jones and E. R. Retalliau. 2,438,444, Mar. 23.
- Diolefins, Production of. W. R. F. Guyer. 2,440,471, Apr. 27.
- Diolefins, Production of. W. D. Seyfried. 2,434,522, Jan. 13.
- Diolefins, Production of. W. D. Seyfried and S. H. Hastings. 2,440,492, Apr. 27.
- Dip stick gauge. H. W. Bickle. 2,443,294, June 15.
- Dip stick cleaner. K. Nielsen. 2,453,452, Nov. 9.
- Dipentaerythritol from mixtures containing the same, Obtaining. J. A. Wyler. 2,448,566, Sept. 7.
- Diphenylamine manufacture. A. B. Wester, L. A. Burrows, and W. B. Johnson. 2,447,044, Aug. 17.
- Diplex transmission by combined frequency-amplitude modulation. C. J. Young. 2,453,773, Nov. 16.
- Dipole, Folded. G. W. Schivley and P. W. Springer. 2,452,073, Oct. 26.
- Dipper, Ice-cream. M. F. Costa. 2,448,863, Sept. 7.
- Dipping, Bright. M. M. Thompson and W. E. Moline. 2,434,021, Jan. 6.
- Dipping machine. L. E. Maquat. 2,437,109, Mar. 2.
- Direct-current measuring apparatus, Sensitive. T. A. Rich. 2,449,413, Sept. 14.
- Direct current servo system. M. D. Liston. 2,442,300, May 25.
- Direct fuel fired unit air heater. L. F. McConnell. 2,452,946, Nov. 2.
- Direct reading photoelectric exposure meter. F. P. Willcox. 2,437,774, Mar. 16.
- Direction finder. E. D. Blodgett. 2,443,718, June 22.
- Direction finder. E. D. Blodgett and D. S. Bond. 2,441,658, May 18.
- Direction finder. H. G. Busignies and J. L. Allison. 2,452,546, Nov. 2.
- Direction finder. M. K. Goldstein. 2,452,564, Nov. 2.
- Direction finder, Radio. T. H. Clark. 2,449,978, Sept. 28.
- Direction finder, Radio. E. N. Dingley, Jr. 2,454,783, Nov. 30.
- Direction finding instrument. W. P. Mason. 2,434,945, Jan. 27.
- Direction finding means for aviation trainers, Radio. K. A. Kail. 2,450,240, Sept. 28.
- Direction finding system. G. Guanella. 2,451,823, Oct. 19.
- Direction finding system. J. H. Newitt. 2,452,675, Nov. 2.
- Direction finding system, Radio. C. S. Agate and A. H. Cooper. 2,456,666, Dec. 21.

- Direction signal. P. L. Franck. 2,456,498, Dec. 14.
 Direction signaling system for automatic vehicles. G. H. Coulter. 2,453,702, Nov. 16.
 Directional antenna system. A. J. Aikens. 2,443,529, June 15.
 Directive radio system. R. W. Porter and A. G. Linowickie. 2,446,024, July 27.
 Dirigible headlight device. E. J. Potts. 2,444,846, July 6.
 Dirt retainer for culverts and pipes. N. Fritsch. 2,445,522, July 20.
 Disappearing automobile window screen. A. Garcia. 2,434,559, Jan. 13.
 Disazo dyestuffs. A. H. Knight and W. E. Stephen. 2,436,436, Feb. 24.
 Disc plow, Tractor-drawn. C. H. Gemberling. 2,440,581, Apr. 27.
 Discharge apparatus, Electron. C. H. Foulkes. 2,454,786, Nov. 30.
 Discharge apparatus, Electron. R. W. Sears. 2,452,157, Oct. 26.
 Discharge apparatus using velocity modulated beams, Electron. W. T. Gibson. 2,452,561, Nov. 2.
 Discharge device and base, Electrical. I. Zambakian and W. W. Watrous, Jr. 2,451,900, Oct. 19.
 Discharge device and circuits therefore, Cold cathode electron. C. W. Hansell. 2,448,527, Sept. 7.
 Discharge device comprising an exhaust system, Electric. F. A. Heyn. 2,442,493, June 1.
 Discharge device containing perforated starting electrodes, Gaseous. P. W. Stutsman. 2,435,246, Feb. 3.
 Discharge device, Electric. H. K. Ishler. 2,450,197, Sept. 28.
 Discharge device, Electric. D. L. Smart. 2,451,988, Oct. 19.
 Discharge device, Electric. P. L. Spencer. 2,452,077, Oct. 26.
 Discharge device, Electric. J. A. Wainwright. 2,456,474, Dec. 14.
 Discharge device, Electrical. E. N. Kather. 2,452,056, Oct. 26.
 Discharge device, Electron. H. L. Steele, Jr. 2,449,794, Sept. 21.
 Discharge device employing cavity resonators, Electron. L. S. Nergaard. 2,452,317, Oct. 26.
 Discharge device, Excessive potential. J. R. McFarlin. 2,453,719, Nov. 16.
 Discharge device for producing electric oscillations, Electron. A. H. Rosenthal. 2,454,094, Nov. 16.
 Discharge device for ultra high frequencies, Electron. D. G. Burnside. 2,456,579, Dec. 14.
 Discharge device for ultra high frequencies, Electron. P. T. Smith and H. R. Hegbar. 2,451,249, Oct. 12.
 Discharge device, Gaseous. F. Alexander. 2,438,356, Mar. 23.
 Discharge device of the magnetron type, Electric. R. J. Bondley. 2,454,031, Nov. 16.
 Discharge device of the magnetron type, Electron. H. G. Anderson. 2,452,032, Oct. 26.
 Discharge device of the magnetron type, Electron. P. L. Spencer. 2,450,023, Sept. 28.
 Discharge device of the triode type, High-frequency electron. C. G. Smith. 2,451,517, Oct. 19.
 Discharge device, Photosensitive. E. D. McArthur. 2,451,850, Oct. 19.
 Discharge device, Thermally tunable electron. P. L. Spencer. 2,452,078, Oct. 26.
 Discharge device, Ultra high frequency electric. J. W. Lafferty. 2,454,560, Nov. 23.
 Discharge device, Ultra high frequency electric. J. M. Lafferty. 2,454,970, Nov. 30.
 Discharge device, Ultra high frequency electron. C. H. Foulkes. 2,451,328, Oct. 12.
 Discharge device utilizing cavity resonators, Electron. L. S. Nergaard. 2,452,318, Oct. 26.
 Discharge devices, Fabricating electron. W. A. Hayes. 2,454,318, Nov. 23.
 Discharge lamp circuit. J. H. Campbell. 2,441,796, May 18.
 Discharge means for spray driers, Vibrating conical. W. S. Bowen and W. I. McCrum. 2,449,366, Sept. 14.
 Discharge triodes, Rugged gaseous. A. R. Moore. 2,451,297, Oct. 12.
 Discharge tube. T. Hagenberg. 2,455,993, Dec. 14.
 Discharge tube with deflection control, Electric. A. J. W. M. van Overbeek. 2,453,647, Nov. 9.
 Discharge tube with electronic velocity filter, Thermionic. A. Leviadi. 2,450,602, Oct. 5.
 Discharge valve. A. H. Davis, Jr. 2,443,816, June 22.
 Discharge vessel, Electron. A. Brasch and W. Huber. 2,449,872, Sept. 21.
 Discharger. K. M. Hammell and F. K. Comiskey. 2,436,751, Feb. 24.
 Discharger, Silo. N. Cordis. 2,445,056, July 13.
 Discharging rockets. C. D., A. J. and C. Schermuly. 2,454,096, Nov. 16.
 Disconnect switch. F. H. Cole. 2,438,290, Feb. 17.
 Disconnectable push coupling. J. R. Quilter. 2,446,951, Aug. 10.
 Discriminator, Angle modulated wave. G. L. Usselman. 2,457,013, Dec. 21.
 Disengageable electrical circuit connector. R. C. Marholz. 2,438,371, Mar. 23.
 Disgorger, Fishhook. L. H. Underwood. 2,441,458, May 11.
 Dish. H. W. Clarke. 2,436,097, Feb. 17.
 Dish, Soap. J. Kirkbride. 2,456,877, Dec. 21.
 Dishwasher. A. H. Haberstump. 2,436,169, Feb. 17.
 Dishwasher, Conveyor type. A. H. Haberstump. 2,446,368, Aug. 3.
 Dishwasher having deflecting recesses in the wall thereof. Dishwashing apparatus. D. Semel. 2,435,240, Feb. 3.
 Dishwashing machine. H. G. Davis. 2,446,693, Aug. 10.
 F. J. R. Karlström. 2,448,490, Aug. 31.
 Dishwashing machine. J. Vaudreuil. 2,440,161, Apr. 20.
 Dish washing machine having automatic inlet control. S. G. Burt-Wells. 2,443,414, June 15.
 Disinfecting and precooling vegetables. H. M. Pancoast. 2,440,911, May 4.
 Disk brake. B. Pratt. 2,440,020, Apr. 20.
 Disk, Detonator. H. Liber and D. R. Beeman. 2,450,063, Oct. 26.
 Disk feeder having material scraper and material agitators. L. E. Harper. 2,435,039, Jan. 27.
 Disk for sound and pictures, Recording. A. F. von Soden. 2,455,712, Dec. 7.
 Disk handling apparatus. F. G. Hirst. 2,454,556, Nov. 23.
 Disk harrow carrier. G. R. Showalter. 2,454,675, Nov. 23.
 Disk plow and caster wheel. A. E. Rutter. 2,448,469, Aug. 31.
 Disk plow attachment for tractors. P. H. Clay. 2,453,197, Nov. 9.
 Disk plow, Convertible. C. G. Strandlund. 2,456,465, Dec. 14.
 Disk record holder. E. J. and H. F. Baker. 2,453,399, Nov. 9.
 Disk, Revolving polarized. R. A. Campbell. 2,453,698, Nov. 16.
 Disk, Sanding. A. G. Strand. 2,447,102, Aug. 17.
 Disk, Selenium rectifier. G. F. Mueller. 2,446,239, Aug. 3.
 Disk type rotor for axial pole induction motors. L. E. Aske. 2,449,925, Sept. 21.
 Dispenser: See—
 Adhesive label dispenser. Gas dispenser.
 Ammunition dispenser. Glue dispenser.
 Automatic adhesive tape dispenser. Hairpin dispenser.
 Bottle dispenser. Hygienic toothpick dispenser.
 Carbonated water dispenser. Insecticide dispenser.
 Cigarette dispenser. Ketchup dispenser.
 Clothespin dispenser. Linoleum dispenser.
 Combined humidifier and liquid dispenser.
 toilet paper dispenser. Salmon egg dispenser.
 Compressible powder dispenser. Sheet paper dispenser.
 Container dispenser. Soap dispenser.
 Drink dispenser. Soap powder dispenser.
 Drinking straw dispenser. Stacked article dispenser.
 Folded napkin dispenser. Surgeon's soap dispenser.
 Fruit juice dispenser. Tablet dispenser.
 Dispenser. W. L. Baumner, Jr. 2,455,212, Nov. 30.
 Dispenser. F. De Cesaris. 2,438,602, Mar. 30.
 Dispenser. R. Van Rosen. 2,448,130, Aug. 31.
 Dispenser and cutter, Automatic tape. H. L. Fitch. Re. 22,981, Mar. 9.
 Dispenser and spreader, Bobby pin. J. E. McArthur. 2,434,047, Jan. 6.
 Dispenser for comminuted materials, Adjustable. E. Gopner. 2,446,582, Aug. 10.
 Dispenser for matches and the like. L. Thomas and L. Bell. 2,435,297, Feb. 3.
 Dispenser for measured lengths of pressure sensitive tape. E. E. Sharpe. 2,454,844, Nov. 30.
 Dispenser for nested or serially arranged articles. W. R. Justus. 2,443,862, June 22.
 Dispenser for poultry, Water. R. S. Kofford. 2,457,159, Dec. 28.
 Dispenser for rolled sheet material. A. E. Whiteley. 2,450,496, Oct. 5.
 Dispenser for stacked articles. J. Liben. 2,456,068, Dec. 14.
 Dispenser for staples or the like. A. J. Kirby. 2,436,577, Feb. 24.
 Dispenser for tooth powder and the like. R. W. Hopkins. 2,456,873, Dec. 21.
 Dispenser having a pivoted cutter, Soap. W. H. Pumphrey. 2,441,034, May 4.
 Dispenser with follower and valued outlet. M. Berg. 2,443,022, June 8.
 Dispensing apparatus. R. J. Kirkby. 2,441,706, May 18.
 Dispensing apparatus. S. Pinanski. 2,441,250, May 11.
 Dispensing apparatus for sheet material. R. G. Birr. 2,457,439, Dec. 28.
 Dispensing apparatus for strip material. C. L. Reynolds. 2,449,508, Sept. 14.
 Dispensing apparatus, Grease. J. W. Liddell and E. F. Shannon. 2,436,722, Feb. 24.
 Dispensing apparatus, Liquefied gas. W. C. Buttner. 2,450,824, Oct. 5.
 Dispensing apparatus, Liquid. A. L. Grisde. 2,438,698, Mar. 30.
 Dispensing apparatus, Tape. A. L. Quinlan. 2,435,795, Feb. 10.
 Dispensing cabinet. C. C. Coates. 2,447,054, Aug. 17.
 Dispensing container. W. L. Barnes and J. J. Harrison. 2,449,046, Sept. 14.

- Dispensing container. L. Hermanl. 2,455,769, Dec. 7.
 Dispensing container. T. F. Kolts. 2,439,627, Apr. 13.
 Dispensing container. C. M. Lehman. 2,455,685, Dec. 7.
 Dispensing container. S. Verner. 2,457,107, Dec. 21.
 Dispensing device. A. Hammerstein. 2,456,504, Dec. 14.
 Dispensing device. B. W. and M. E. Schwartz. 2,443,520, June 15.
 Dispensing device. L. Steiner. 2,457,187, Dec. 28.
 Dispensing device for slender articles. N. Burch. 2,434,257, Jan. 13.
 Dispensing device for viscous materials. W. J. Weber. 2,446,501, Aug. 3.
 Dispensing device, Liquid. F. W. Opitz. 2,453,856, Nov. 16.
 Dispensing device, Liquid. M. L. Trochim. 2,448,846, Sept. 7.
 Dispensing device, Towel. F. G. Steiner and R. G. Birr. 2,451,251, Oct. 12.
 Dispensing liquefied petroleum gas, Method of and apparatus for. L. J. White. 2,436,781, Feb. 24.
 Dispensing machine. H. M. Kauffman. 2,451,094, Oct. 12.
 Dispensing mechanism. L. C. Case. 2,443,376, June 15.
 Dispensing mechanism, Tape. J. F. Cullin. 2,456,625, Dec. 21.
 Dispensing pill box. C. Orban. 2,436,075, Feb. 17.
 Dispensing roll holder. L. L. Werner. 2,456,660, Dec. 21.
 Dispensing spout for containers, Flexible. R. F. Marken. 2,444,104, June 29.
 Dispensing system, Gas. W. C. Buttner and H. L. Norway. 2,453,968, Nov. 16.
 Dispensing system, Gasoline. A. E. Watts, Jr., and J. R. Parker. 2,434,824, Jan. 20.
 Dispensing unit, Grease. J. D. Morgan and P. B. Levitt. 2,450,248, Sept. 28.
 Dispensing a solid polymerization catalyst in a polymerizable thermosetting resin sirup. W. I. Weaver. 2,456,228, Dec. 14.
 Dispensing keratin proteins with amides and the composition resulting therefrom. C. B. Jones and D. K. Mecham. 2,445,028, July 13.
 Dispersion of a rubbery material into a sheet, Method and apparatus for continuously transforming a. W. F. Bixby. 2,444,626, July 6.
 Dispersion of anti-oxidants in rubber latex. J. C. Carl. 2,445,734, July 20.
 Dispersions of butadiene polymers and treatment of wool therewith, Aqueous. J. B. Rust and C. W. Pfeifer. 2,447,772, Aug. 24.
 Dispersion of carbon black, Preparing a. A. Voet. 2,453,557, Nov. 9.
 Dispersions of polytetra-fluoroethylene-ethylene copolymers, Obtaining. K. L. Berry. 2,448,952, Sept. 7.
 Display and delivery device. L. P. Shield. 2,443,871, June 22.
 Display and service tray device, Combined. C. Weissman. 2,457,760, Dec. 28.
 Display apparatus. R. A. Lambert. 2,449,530, Sept. 14.
 Display apparatus, Electrically illuminated. F. Waller and W. R. Dresser. 2,454,238, Nov. 16.
 Display box. T. B. Epps. 2,446,366, Aug. 3.
 Display card filling apparatus. R. Nadeau. 2,433,862, Jan. 6.
 Display device. W. S. Leech. 2,450,759, Oct. 5.
 Display device, Banner or pennant type of. J. Srofe. 2,437,444, Mar. 9.
 Display device embodying hinged or pivoted members simulating book leaves. A. C. Erisman. 2,449,462, Sept. 14.
 Display device for foodstuffs. H. E. Christensen, J. J. Stein, and A. S. Kester. 2,457,302, Dec. 28.
 Display device formed of sheet material curved to give a facial appearance. A. Reinsberg. 2,441,333, May 11.
 Display device, Illuminated. O. M. Arnold. 2,448,244, Aug. 31.
 Display device, including movable frames, Third dimension animated. M. Strauss. 2,449,825, Sept. 21.
 Display device, Pictorial. L. Allen. 2,440,062, Apr. 20.
 Display device, Sheet material. J. A. Taylor. 2,453,047, Nov. 2.
 Display device simulating a tree, Christmas card. C. H. Hazelton. 2,447,856, Aug. 24.
 Display device with triangular base, Foldable. L. H. Roth. 2,449,911, Sept. 21.
 Display lamp. N. Chirelstein. 2,456,376, Dec. 14.
 Display package. E. C. Mulnix. 2,444,709, July 6.
 Display package, Flower and candy. R. Kysela. 2,453,920, Nov. 16.
 Display page for coins and other objects. C. G. Curtis. 2,449,204, Sept. 14.
 Display rack. J. S. Lesko. 2,439,049, Apr. 6.
 Display stand. A. E. Johnson. 2,456,064, Dec. 14.
 Display stand in the form of a globe, Advertising. C. Rebus. 2,434,250, Jan. 13.
 Display structure. J. E. Baxter. 2,445,552, July 20.
 Display structure with removable indicia-bearing inserts. W. C. and W. G. Grueneberg. 2,445,878, July 27.
 Displaying and dispensing apparatus. C. H. Schimpff. 2,435,755, Feb. 10.
 Disposable inserts, Diaper having. F. K. Rickerson. 2,450,059, Sept. 28.
 Disposal of refuse. O. C. Norton and A. E. Hahn. 2,447,425, Aug. 17.
 Dissolved silica from alkali metal aluminate solutions, Removal of. J. R. Wall. 2,442,226, May 25.
 Distance determining system. W. R. Mercer. 2,455,693, Dec. 7.
 Distance instrument of the trammel beam type, Opposed contact. R. P. Todd. 2,433,935, Jan. 6.
 Distance measurement device, Sensitive. W. D. Hersherberger. 2,450,341, Sept. 28.
 Distance meter. B. E. Sharp and G. M. Hackman. 2,447,436, Aug. 17.
 Distance selective system. C. W. Hansell. 2,455,673, Dec. 7.
 Distillates, Refining of petroleum. L. P. Elliott and M. M. Holm. 2,440,258, Apr. 27.
 Distillation and heat exchange apparatus. R. V. Kleinschmidt. 2,446,880, Aug. 10.
 Distillation apparatus for treating fatty acid containing stock. R. H. Potts. 2,450,611, Oct. 5.
 Distillation apparatus, Vacuum unobstructed path. K. C. D. Hickman. 2,455,059, Nov. 30.
 Distillation column, Packed fractional. R. R. Kaiser. 2,443,072, June 8.
 Distillation column with top feed, Plural section. W. F. Barthel. 2,438,988, Apr. 6.
 Distillation from a film by diffusion into a gas stream. O. Denys. 2,437,594, Mar. 9.
 Distillation of alcohol from hydrolyzed mixtures of alkyl sulfates and sulfuric acid. H. O. Mottern and F. M. Archibald. 2,446,159, July 27.
 Distillation of butadiene from methyl acetylene and higher-boiling hydrocarbons. K. Hachmuth. 2,434,923, Jan. 27.
 Distillation of C₄ hydrocarbons with furfural, Extractive. K. H. Hachmuth. 2,434,796, Jan. 20.
 Distillation of fatty acid stock by fractionation and flash steps. R. H. Potts. 2,450,612, Oct. 5.
 Distillation of fuels by direct contact with reheated distillate vapors, Low-temperature. H. Lantz. 2,448,223, Aug. 31.
 Distillation of mixtures forming two liquid phases, Method and apparatus for. M. Souders, Jr., and A. J. Cherniavsky. 2,445,043, July 13.
 Distillation of oil shale under fluidized conditions. E. B. Peck. 2,449,615, Sept. 21.
 Distillation of sulfuric acid treated hydrocarbon oils. H. L. Allen and H. G. Kleinguenther. 2,445,655, July 20.
 Distillation of 2,3-dichlorobutadiene-1,3. W. H. Willert. 2,445,738, July 20.
 Distillation process, Extractive. G. J. Pierotti. 2,455,803, Dec. 7.
 Distillation process for separating products of carbon tetrachloride fluorination. A. F. Benning. 2,450,415, Oct. 5.
 Distillation process for separating products of chloroform fluorination. A. F. Benning. 2,450,414, Oct. 5.
 Distillation with inverse solvents, Plural stage extractive. R. C. Morris and T. W. Evans. 2,434,424, Jan. 13.
 Distillery still slop, Concentrating. E. C. Pattee. 2,434,672, Jan. 20.
 Distortion in butt-welded plates, Preventing. L. P. McCabe. 2,449,082, Sept. 14.
 Distributing apparatus. H. Lowe. 2,451,104, Oct. 12.
 Distributing apparatus, Material. R. M. G. Schiro. 2,457,604, Dec. 28.
 Distributing device. J. P. Johnson. 2,452,470, Oct. 26.
 Distributing device, Liquid. A. Mennesson. 2,454,974, Nov. 30.
 Distribution apparatus for fluid coating. K. H. Recker. 2,442,616, June 1.
 Distributor. A. L. Brownlee. 2,433,888, Jan. 6.
 Distributor. C. J. Fitch and R. N. Eichorn. 2,456,825, Dec. 21.
 Distributor. K. A. Harmon. 2,451,675, Oct. 19.
 Distributor and nozzle, Turbine. R. J. Imbert and G. Mission. 2,447,942, Aug. 24.
 Distributor apparatus, Radio-frequency. N. E. Lindenblad. 2,452,202, Oct. 26.
 Distributor, Electronic. G. H. Marmont. 2,440,639, Apr. 27.
 Distributor, Fertilizer. C. H. White. 2,436,132, Feb. 17.
 Distributor for air-borne fibers. J. D. Daddario. 2,449,592, Sept. 21.
 Distributor, Material. C. E. Thiesse. 2,451,128, Oct. 12.
 Distributor mechanism. A. Williams and O. E. Meyer, Sr. 2,450,704, Oct. 5.
 Distributor testing apparatus and circuit. A. C. Williams. 2,444,014, June 22.
 Distributor timing device. J. H., W. H., and G. E. Wass. 2,441,782, May 18.
 Distributor, Ventilating air. E. S. Buck. 2,433,981, Jan. 6.
 Ditcher. R. A. and J. R. Palmer, and G. R. Smit. 2,453,723, Nov. 16.
 Dithering valve. F. C. Eastman. 2,450,944, Oct. 12.
 Dithiadecane diester. H. W. Jacobson. 2,439,212, Apr. 6.
 Dithio bis-arylamines, Manufacture of. P. T. Paul and L. B. Tewksbury, Jr. 2,435,508, Feb. 3.
 Diversity combiner. M. G. Crosby. 2,441,661, May 18.
 Divider and computer, Interpolating potential. W. Koenig, Jr. 2,452,664, Nov. 2.
 Divider and key container for bill folds, Bill. C. M. Campbell. 2,435,032, Jan. 27.

- Divider and the like with measuring scales. H. Friedmann. 2,454,050, Nov. 16.
 Divider, Hydraulic flow. L. Zimmermann. 2,454,418, Nov. 23.
 Divider, Medical. C. G. Geissler. 2,448,708, Sept. 7.
 Divider, Potential. J. A. Stagnaro. 2,457,787, Dec. 28.
 Divider, Self-synchronous frequency. G. Hite and G. E. Whitham. 2,444,890, July 6.
 dl-N-cyclohexylacetylserine hexahydrobenzyl amide. R. L. Peck, S. A. Harris, R. Mazingo, D. E. Wolf, and K. Folkers. 2,447,361, Aug. 17.
 Dobby jack and the harness frame of a loom, Connecting the. C. E. Harris. 2,437,739, Mar. 16.
 Dobby knife connector. C. A. Gunn. 2,439,973, Apr. 20.
 Dock, Master tooling. L. A. Bryant. 2,433,889, Jan. 6.
 Doctor blade structure. C. A. Hanington. 2,445,140, July 13.
 Doctor holder. J. R. Curtis, Jr. 2,445,135, July 13.
 Dodecylamine salt of 2-mercaptobenzothiazole and making the same. A. Minich. 2,437,170, Mar. 2.
 Doffing and donning apparatus. C. W. Geler. 2,446,416, Aug. 3.
 Dog collar. J. T. Graffin. 2,453,010, Nov. 2.
 Doll, Jointed mannequin. M. Geller. 2,448,668, Sept. 7.
 Doll, Walking. E. M. Melton. 2,443,689, June 22.
 Dolly block with serrated work-engaging faces. H. E. Conrad. 2,447,162, Aug. 17.
 Dolly for trailers and the like. W. A. Wilson. 2,450,215, Sept. 28.
 Dolly, House moving. J. Rapp. 2,449,670, Sept. 21.
 Dolly, Outboard motor. W. E. Shiflet. 2,450,304, Sept. 28.
 Dolly structure for conveyers. B. Woldring. 2,452,978, Nov. 2.
 Dolly, Trailer. E. C. McDaniel. 2,447,659, Aug. 24.
 Dolly, Transport and shipping. G. B. Arnold and T. B. Tyler. 2,446,518, Aug. 10.
 Domestic appliance. R. R. Candor. 2,442,397, June 1.
 Domestic bar with disappearing shelf compartment. T. R. Giralt. 2,445,394, July 20.
 Domestic electric heater. F. H. McCormick. 2,455,186, Nov. 30.
 Door: See —
 Aircraft door. Retort door.
 Car door. Self-sealing coke oven door.
 Oven door. Triple sealed icebox door.
 Overhead door. Watertight door.
 Refrigerator car door.
 Door and closure holder. F. Johnson. 2,449,386, Sept. 14.
 Door and latch for tumbler washers. C. C. Batina. 2,438,597, Mar. 30.
 Door and panel construction, Metal. D. K. Macleod. 2,451,396, Oct. 12.
 Door casement and forming the same. G. Philip. 2,454,523, Nov. 23.
 Door check. F. P. Angell. 2,453,956, Nov. 16.
 Door check. E. H. Croskey and V. M. Hackman. 2,453,831, Nov. 16.
 Door check. J. W. Holman. 2,455,488, Dec. 7.
 Door check and closer. R. C. Van De Boe. 2,449,826, Sept. 21.
 Door check and hold open. F. O. Riley and R. F. Anderson. 2,442,177, May 25.
 Door check, Hydraulic. D. J. Seaman, A. E. Wood, and C. A. Hathaway. 2,456,537, Dec. 14.
 Door chime control switch. W. H. Ross. 2,454,342, Nov. 23.
 Door closer. J. D. Denburger. 2,443,896, June 22.
 Door closing device. F. W. Tetzman. 2,441,455, May 11.
 Door construction. R. W. Eisinger. 2,444,343, June 29.
 Door construction, Overhead. W. A. Norberg. 2,442,309, May 25.
 Door fastener. G. E. Dath. 2,451,537, Oct. 19.
 Door fastener. R. J. Olander. 2,452,677, Nov. 2.
 Door for enclosures, Latching. W. E. Swenson. 2,444,543, July 6.
 Door for furnaces, Safety. H. Weyenberg and W. R. Kimberley. 2,443,525, June 15.
 Door for liquid containers, Access. F. J. Pepersack. 2,457,066, Dec. 21.
 Door for pressure compartments. R. E. Jeffery. 2,435,006, Jan. 27.
 Door for vehicles. C. G. Branstrator. 2,455,293, Nov. 30.
 Door frame. R. R. Magaw and K. H. Miller. 2,450,673, Oct. 5.
 Door frame construction, Motor vehicle. D. L. Cosper. 2,443,676, June 22.
 Door guard. W. F. Christison. 2,455,112, Nov. 30.
 Door guiding and latching mechanism, Overhead. J. Thomas. 2,453,554, Nov. 9.
 Door hanger. F. J. Swart. 2,435,477, Feb. 3.
 Door-hinging, door-checking, and door-holding device, Combined. R. I. Schonitzer. 2,441,600, May 18.
 Door holder. E. J. Blackman. 2,448,953, Sept. 7.
 Door holder. E. L. Evans. 2,454,505, Nov. 23.
 Door hook. T. O. Dean. 2,454,690, Nov. 23.
 Door indicating device. R. Wirth. 2,455,208, Nov. 30.
 Door-key lock. L. C. Helmes. 2,441,087, May 4.
 Door latch. A. J. Harris. 2,452,461, Oct. 26.
 Door latch. F. Netschert. 2,454,754, Nov. 23.
 Door latch. S. W. Parsons. 2,441,033, May 4.
 Door latch. L. L. Rosenthal and R. B. Spencer. 2,454,672, Nov. 23.
 Door latch. W. S. Shafer. 2,440,350, Apr. 27.
 Door latch. A. Truninger. 2,447,290, Aug. 17.
 Door latch. R. E. Whitmore. 2,449,353, Sept. 14.
 Door latch mechanism, Automobile. W. J. Tierney, C. L. Harmon, and F. W. A. Villemure. 2,435,987, Feb. 17.
 Door lock. C. F. Berini. 2,448,293, Aug. 31.
 Door lock. J. B. Freysinger. 2,444,819-20, July 6.
 Door lock. A. F. Lickteig. 2,447,190, Aug. 17.
 Door lock. E. L. McEwen. 2,443,396, June 15.
 Door operating device. A. W. Lancaster. 2,443,317, June 15.
 Door lock. J. H. Milligan. 2,449,711, Sept. 21.
 Door lock. J. H. Milligan. 2,450,840, Oct. 5.
 Door lock. J. H. Roethel. 2,445,187, July 13.
 Door lock. W. R. Schlage. 2,434,288, Jan. 13.
 Door lock. W. R. Schlage. 2,435,238, Feb. 3.
 Door lock. W. R. Schlage. 2,450,449, Oct. 5.
 Door lock. L. R. Weeks. 2,456,229, Dec. 14.
 Door lock attachment. G. Nicolin and R. A. Hansen. 2,435,634, Feb. 10.
 Door lock bolt. O. J. Buntin. 2,448,415, Aug. 31.
 Door lock light. D. B. Dreese. 2,438,847, Mar. 30.
 Door lock protector. J. R. Wylie. 2,454,904, Nov. 30.
 Door locking system, Coincidental vehicle. B. J. Craig. 2,450,372, Sept. 28.
 Door mat. J. Suskind. 2,449,796, Sept. 21.
 Door mat, Self-cleaning. C. O. Swanson. 2,448,931, Sept. 7.
 Door mat with scraper and removable brush. G. D. P. Liberatore. 2,436,315, Feb. 17.
 Door mounting. A. Wartian. 2,445,131, July 13.
 Door operating mechanism. W. F. Weathers. 2,441,092, May 4.
 Door operating mechanism for powder hoists. G. A. Chadwick and P. H. Girouard. 2,452,035, Oct. 26.
 Door operator, Automatic. C. T. Schirmer and M. Knobel. 2,450,021, Sept. 28.
 Door or drawer latch. F. J. Russell. 2,439,057, Apr. 6.
 Door safety latch. F. M. Schultz. 2,442,733, June 1.
 Door-sag correcting mechanism. D. P. Triller. 2,453,049, Nov. 2.
 Door seal assembly. C. C. Curley. 2,445,315, July 20.
 Door securing means. A. Matthews and F. A. Gerlach. 2,455,132, Nov. 30.
 Door stop. S. S. Brinda. 2,449,687, Sept. 21.
 Doorstop. J. A. Dailey. 2,444,981, July 13.
 Doorstop. C. H. Martin. 2,451,848, Oct. 19.
 Door stop. L. J. Semeyn. 2,456,843, Dec. 21.
 Doorstop and retainer. L. S. Taylor. 2,454,414, Nov. 23.
 Door structure, Disappearing. W. T. Holmes. 2,450,593, Oct. 5.
 Door structure for motor vehicles. A. W. Prance. 2,438,185, Mar. 23.
 Dop, Gem. J. Ludel. 2,435,971, Feb. 17.
 Double-acting pump. J. T. Leonard. 2,440,411, Apr. 27.
 Double-ended electric incandescent lamp. P. O. Cartun. 2,434,757, Jan. 20.
 Double pulse generator. C. E. Cleeton. 2,452,549, Nov. 2.
 Double reversible film developing hanger. E. S. Edelhart. 2,436,882, Mar. 2.
 Double seal grip tool joint. M. E. Boehm. 2,450,453, Oct. 5.
 Double seal valve. M. Sitney. 2,446,196, Aug. 3.
 Double-shank hammer-type tool. A. Curatole. 2,435,556, Feb. 3.
 Double-slide mechanism and double-action drawing press. F. J. Rode and M. R. Hatch. 2,448,327, Aug. 31.
 Double row antifriction bearing. E. K. Brown. 2,440,435, Apr. 27.
 Double throw switch. H. W. Graybill. 2,456,502, Dec. 14.
 Double-walled foldable carton. W. G. Freel and S. F. Jones. 2,447,243, Aug. 17.
 Dough cutter. E. Haecks. 2,454,316, Nov. 23.
 Dough forming machine. H. E. Hahn, Jr. 2,440,655, Apr. 27.
 Dough-preparing device for latticework pie crust. K. Schlegel. 2,453,599, Nov. 9.
 Dough pressing and feeding apparatus. G. N. Le Sage. 2,438,811, Mar. 30.
 Doughnut cooking art. C. J. Hornkohl and F. H. Leslie. 2,450,962, Oct. 12.
 Doughnut maker. E. J. Hutchinson. 2,447,182, Aug. 17.
 Dowel pin. F. W. McKay. 2,439,692, Apr. 13.
 Downed structure. E. T. Kindt. 2,451,747, Oct. 19.
 Downspout hooks and articles formed thereby, Making. M. Rachlin. Re. 2,992, Mar. 30.
 Draft connector. J. A. E. Madore. 2,453,998, Nov. 16.
 Draft control. W. B. Stephenson. 2,435,166, Jan. 27.
 Draft control means for fuel burners. W. S. Landon. 2,456,131, Dec. 14.
 Draft eliminator for vehicles. W. Menrath. 2,442,821, June 8.
 Draft regulator. H. A. Eggert. 2,454,044, Nov. 16.
 Draft regulator. J. W. Miller and B. D. Figg. 2,453,096, Nov. 2.
 Drafting attachment, Perspective. F. L. Goff. 2,454,380, Nov. 23.
 Drafting element, Textile fiber. J. W. Baymiller. 2,450,408, Oct. 5.
 Drafting equipment. E. E. Hurst and J. W. Paxton. 2,454,388, Nov. 23.
 Drafting machine. L. Ketting. 2,438,220, Mar. 23.

- Drafting table. G. W. Yarber. 2,452,216, Oct. 26.
 Draftsman's instrument. R. R. Allen. 2,443,672, June 22.
 Drain. C. M. Rice. 2,440,594, Apr. 27.
 Drain assister. B. A. Hower. 2,446,930, Aug. 10.
 Drainboard and tub construction. A. P. Bail. 2,447,788, Aug. 24.
 Drain board for dishes. D. Tallarico. 2,443,404, June 15.
 Drain fitting, Antifreeze. J. J. Yindrock and J. Van Vulpen. 2,456,807, Dec. 21.
 Drain means for radial engines, Oil accumulation. C. G. A. Rosen. 2,440,488, Apr. 27.
 Drain stopper, Electric. J. M. Moon. 2,454,333, Nov. 23.
 Drainage ditch equipment. N. J. Schuster. 2,437,273, Mar. 9.
 Drainage mechanism for fluid storage apparatus, Condensate. J. H. Wiggins. 2,457,763, Dec. 28.
 Drainage system for stables. W. W. Riebli. 2,437,210, Mar. 2.
 Draining device, Fluid. H. D. Daigle. 2,449,060, Sept. 14.
 Drape rod hanging means, Window. F. X. Ganter. Re. 22,989, Mar. 23.
 Drapery hanger. E. Pezzella. 2,435,183, Jan. 27.
 Draught excluder for doors. D. S. J. Keen. 2,441,073, May 4.
 Draw bar. C. B. Kasboske. 2,439,518, Apr. 13.
 Drawbar and adjustable mounting therefor, Adjustable. E. W. Vars. 2,453,556, Nov. 9.
 Drawbar and support structure, Combination. S. D. Russell. 2,455,195, Nov. 30.
 Drawbar, Convertible vehicle. J. J. Suess. 2,457,745, Dec. 28.
 Draw bar for trailer couplings, Adjustable. A. Partin. 2,449,315, Sept. 14.
 Drawbar, Self-aligning swinging. L. Atkinson. 2,451,054, Oct. 12.
 Drawbar, Telescoping. D. R. Conrad and F. M. Reynolds. 2,444,979, July 13.
 Drawbench. D. V. Strock. 2,446,438, Aug. 3.
 Drawer for refrigerated lockers. W. M. Baird. 2,448,949, Sept. 7.
 Drawer for typewriters, including elevating typewriter supports, Desk. C. Balzi, P. Juravcoff, and C. H. Ristenpart. 2,455,156, Nov. 30.
 Drawer pull. E. C. Bullock. 2,438,871, Mar. 30.
 Drawer, Refrigerator. O. A. La Vallee. 2,455,182, Nov. 30.
 Drawer, Tilttable utensil. J. R. Cummings. 2,450,233, Sept. 28.
 Drawing apparatus (perspectograph). F. L. Davis, Jr. 2,442,117, May 25.
 Drawing mechanism for textile fibres. F. Piron. 2,435,157, Jan. 27.
 Drawing table. W. Lambert. 2,436,773, Feb. 24.
 Dress bottom cutter. D. Sigmond. 2,434,371, Jan. 13.
 Dress for growing girls, Adjustable. A. B. Hopkins. 2,442,494, June 1.
 Dress form, Pendant. J. H. Insley. 2,446,832, Aug. 10.
 Dress shoulder pad. L. I. Serbin. 2,441,910, May 18.
 Dresser, Grinding wheel. C. O. Klockars. 2,442,172, May 25.
 Dressing and repointing hypodermic needles. R. R. Stabler. 2,452,696, Nov. 2.
 Dressing device for grinding wheels. W. W. Hopkins. 2,434,615, Jan. 13.
 Dressing machine for bowling pins. A. C. and J. Vacanti. 2,457,509, Dec. 28.
 Dressing tool holder. C. Kreutzer. 2,442,088, May 25.
 Dried meat, Producing. H. H. McKee, H. W. Keefer, and W. J. McCue. 2,439,180, Apr. 6.
 Drier: See—
 Adjustable hose drier. Hair drier.
 Boot drier. Hand dryer.
 Clothes drier. Laundry drier.
 Continuous film drier. Portable drier.
 Dryer. Socket drier.
 Fruit drier. Sterotype mat drier.
 Grain drier. Stocking dryer.
 Drier. J. C. Monick. 2,447,766, Aug. 24.
 Drier and cleaner, Combination. D. D. Day. 2,446,130, July 27.
 Drier discharge, Controlling. F. L. Litty, Jr. 2,439,741, Apr. 13.
 Drier for coated wires. H. M. Larsen. 2,434,169, Jan. 6.
 Drier for coffee beans having material feeding and discharge control, Gravity flow type. A. R. Yglesias-Paz. 2,440,884, May 4.
 Drier for footwear. C. L. Russell. 2,443,695, June 22.
 Drier for granular plastic. R. R. Leiske. 2,452,249, Oct. 26.
 Drier for hay and the like having a perforate floor and air circulating means, Demountable. F. W. Moffett, Jr. 2,439,853, Apr. 20.
 Drier for motor vehicle washing and cleaning apparatus. L. J. Rousseau. 2,440,157, Apr. 20.
 Drier for photographic prints. H. W. Beernink. 2,435,420, Feb. 3.
 Drier for pneumatic feed coal stokers. E. C. Webb. 2,441,736, May 18.
 Drier for sheet material, Drum. J. S. Hill. 2,437,254, Mar. 9.
 Drier having air circulating means and lamp heater, Rotary drum clothes. M. L. Pugh. 2,434,886, Jan. 20.
 Drier having means to compress evacuated vapors, Vacuum rotary drum. C. B. Proudfoot. 2,440,416, Apr. 27.
 Drier head, Garment. P. C. Bowen. 2,453,488, Nov. 9.
 Drier with automatic control means, Warp. P. R. Rose. 2,442,148, May 25.
 Drill: See—
 Multiple drill. Surgical drill.
 Drill. E. H. Trimble. 2,446,795, Aug. 10.
 Drill and bit, Fluid circulating dental. J. E. Brantly and M. B. Bowers. 2,442,033, May 25.
 Drill and chuck, Coal. A. J. Cox. 2,451,922, Oct. 19.
 Drill and countersink tool. L. A. Smith. 2,437,364, Mar. 9.
 Drill and drill jig bushing carrier attachment. H. R. Billeter. 2,454,372, Nov. 23.
 Drill bit assembly. W. E. Carr. 2,454,771, Nov. 30.
 Drill chuck, Chip breaking. J. W. Karweit. 2,453,136, Nov. 9.
 Drill device, Chip breaking. J. W. Karweit. 2,453,135, Nov. 9.
 Drill head, Adjustable. H. O. Schultz. 2,441,722, May 18.
 Drill jig. H. W. Schneider. 2,455,024, Nov. 30.
 Drill jig, Universal. C. H. Woolson. 2,453,482, Nov. 9.
 Drill pipe cleaner. G. A. Kennedy and C. O. Moore. 2,444,653, July 6.
 Drill press. J. A. Cupler. 2,439,965, Apr. 20.
 Drill press. G. and E. F. Hohwart, and A. Smith. 2,441,414, May 11.
 Drill press. R. M. Jones. 2,436,964, Mar. 2.
 Drill rod rack. O. Wiegell. 2,452,410, Oct. 26.
 Drill sampling device for fish livers. F. B. Sanford and L. G. McKee. 2,435,608, Feb. 10.
 Drill stand and gauge. J. F. Kellem. 2,439,008, Apr. 6.
 Drill support and driving mechanism, Mine. L. J. Fellay and H. H. Kavanaugh. 2,456,056, Dec. 14.
 Drill supporting and handling rig, Portable pneumatic. R. E. Lee. 2,453,995, Nov. 16.
 Drill template, Multiple. H. O. Schultz. 2,451,123, Oct. 12.
 Drilling apparatus. H. C. Johansen. 2,451,223, Oct. 12.
 Drilling apparatus. W. W. Paget. 2,434,120, Jan. 6.
 Drilling appliance. O. Stalder. 2,453,349, Nov. 9.
 Drilling device, Disintegrator. E. J. Dobie and A. F. Raymond. 2,436,251, Feb. 17.
 Drilling equipment, Well. J. H. Schreiber. 2,434,333, Jan. 13.
 Drilling fluids, Conditioning of. W. T. Cardwell, Jr. 2,450,936, Oct. 12.
 Drilling fluids, Treatment of. A. D. Garrison. 2,437,297, Mar. 9.
 Drilling machine. G. H. Fuehrer and C. W. Hosking. 2,445,218, July 13.
 Drilling machine. E. J. Tomek. 2,454,235, Nov. 16.
 Drilling machine. H. J. Willmott. 2,450,065, Sept. 28.
 Drilling metal and the like. J. W. Karweit. 2,453,137, Nov. 9.
 Drills, Manufacturing twist. H. W. Delaney. 2,457,132, Dec. 28.
 Drink dispenser. W. F. Cramer, Jr. 2,454,595, Nov. 23.
 Drinking appliance for birds and animals. R. E. Gibbs. 2,444,772, July 6.
 Drinking straw and dispenser. R. L. Moore. 2,442,730, June 1.
 Drip pan, Flush tank. H. Bodan. 2,449,445, Sept. 14.
 Drive. R. M. Nardone. 2,435,050, Jan. 27.
 Drive and torque impulse neutralizer, Combined accessory. V. E. Matulaitis. 2,436,072, Feb. 17.
 Drive chain. J. Bourdeaux. 2,440,818, May 4.
 Drive construction. J. P. Butterfield. 2,442,838, June 8.
 Drive construction, Angle. C. A. Koza. 2,438,291, Mar. 23.
 Drive control, Compressor. F. W. Edwards. 2,449,888, Sept. 21.
 Drive control for air powered apparatus. F. M. Aimes. 2,451,706, Oct. 19.
 Drive control mechanism for motor vehicles and detent device therefor. A. W. Bonham, Jr. 2,436,912, Mar. 2.
 Drive control mechanism for vehicles, Hydraulic. E. Orshansky, Jr. 2,446,242, Aug. 3.
 Drive, Electric. R. R. Baker. 2,441,985, May 25.
 Drive, Electromagnetic. W. A. Kaiser. 2,449,901, Sept. 21.
 Drive, Engine. J. D. Bell. 2,451,374, Oct. 12.
 Drive, Engine starter. D. L. Miller. 2,436,261, Feb. 17.
 Drive, Engine starter. D. L. Miller. 2,447,765, Aug. 24.
 Drive, Flexible. W. A. Brecht. 2,439,919, Apr. 20.
 Drive for air compressors. H. J. Findley. 2,439,686, Apr. 13.
 Drive for automobiles and the like. C. N. Aronson. 2,448,345, Aug. 31.
 Drive for brushes and the like, Motor. G. B. Mirus. 2,448,614, Sept. 7.
 Drive for counter numeral wheels. H. J. Lawrence and M. M. Hennessy. 2,444,570, July 6.
 Drive for floor cleaning machines. L. J. Simon. 2,441,537, May 11.
 Drive for pumps. H. L. Poston. 2,439,693, Apr. 13.
 Drive for rotors, Yieldable. A. Lysholm. 2,441,771, May 18.
 Drive for track-laying vehicles. H. V. Dwight. 2,453,209, Nov. 9.

- Drive means for vehicles. R. E. Burrus. 2,443,720, June 22.
- Drive mechanism. F. S. Eastman. 2,441,693, May 18.
- Drive mechanism. F. A. McFarland. 2,443,688, June 22.
- Drive mechanism. J. L. Perkins. 2,453,586, Nov. 9.
- Drive mechanism, Antenna. E. H. Karleen. 2,457,562, Dec. 28.
- Drive mechanism, Dual. M. Ware. 2,450,214, Sept. 28.
- Drive mechanism for reciprocating devices. W. Fincher. 2,445,613, July 30.
- Drive mechanism for the intermittent movement in a television motion-picture projector. F. J. Bingley. 2,447,839, Aug. 24.
- Drive mechanism, Reversing. F. H. Winslow and W. S. Hammond. 2,450,262, Sept. 28.
- Drive mounting for windshield wiper arms. F. A. Krohm. 2,442,697, June 1.
- Drive or sprocket chain. V. J. Tenety. 2,455,624, Dec. 7.
- Drive shaft housing for outboard motors. E. C. Kiehaefer. 2,442,728, June 1.
- Drive shaft unit for pulverizing mills, Removable. W. A. Gibson and C. W. Mayer. 2,454,868, Nov. 30.
- Drive, Spring clutch. T. R. Smith. 2,446,064, July 27.
- Drive system, Synchro unit. R. C. Ballard. 2,442,069, May 25.
- Drive unit. L. E. Rausenberger. 2,436,669, Feb. 24.
- Drive unit, Power take-off. C. P. Pinardi and H. L. Brock. 2,448,822, Sept. 7.
- Drive wheels and mountings therefor, Road roller. J. R. Ritchie. 2,443,147, June 8.
- Driver control. J. F. Cobb. 2,434,758, Jan. 20.
- Driver for studs and the like. E. R. Emmons. 2,434,354, Jan. 13.
- Driver, Long-shaft stud. K. B. Geertsema. 2,435,137, Jan. 27.
- Driver, Screw or nut. L. Frank. 2,440,854, May 4.
- Driver, Tap. H. P. Boggs. 2,449,103, Sept. 14.
- Driver's comfort. N. E. Hendricks. 2,446,006, July 27.
- Driving and braking device. R. M. Dilworth. 2,440,850, May 4.
- Driving attachment for motorcycles. T. W. Petkoff. 2,440,116, Apr. 20.
- Driving belt, Laminated. H. Brammer. 2,455,400, Dec. 7.
- Driving bushing, Sealed. W. M. Howser. 2,436,996, Mar. 2.
- Driving means for looms. W. H. Bahan. 2,449,157, Sept. 14.
- Driving means for rolling doors. N. Michelman. 2,454,880, Nov. 30.
- Driving mechanism. F. Miller. 2,439,520, Apr. 13.
- Driving mechanism. H. M. Stephenson. 2,445,590, July 20.
- Driving mechanism for ironing machines or the like. D. K. Ferris. 2,441,314, May 11.
- Driving mechanism for knitting needles. J. P. Lindholm. 2,455,375, Dec. 7.
- Driving system for centrifugals or the like. J. Hertrich. 2,441,356, May 11.
- Drop bottom mine car latch. R. A. Shields. 2,455,276, Nov. 30.
- Drop feed mechanism for sewing machines. G. R. Wainwright. 2,440,031, Apr. 20.
- Drop-testing device. J. R. Tomlin. 2,452,084, Oct. 26.
- Dropper. C. Bernabé. 2,450,225, Sept. 28.
- Dropper, Medicine. A. Rothman. 2,438,577, Mar. 30.
- Drum, Barking. B. Branch. 2,456,365, Dec. 14.
- Drum, Buffing. J. L. Smith. 2,450,617, Oct. 5.
- Drum, Collector. H. C. Rodgers. 2,451,872, Oct. 19.
- Drum file, Automatic locking. F. D. Jonas. 2,447,253, Aug. 17.
- Drum for laundry machines, Tumbling. C. C. Batina. 2,438,737, Mar. 30.
- Drum for mine anchors, Differential. J. B. Glennon. 2,435,580, Feb. 10.
- Drum-operating electric drive. O. G. Rutemiller. 2,454,212, Nov. 16.
- Drum pedal. M. E. Crowell. 2,446,508, Aug. 3.
- Drum pedal apparatus. F. J. La Londe. 2,445,486, July 20.
- Drum, Sanding. T. L. Bonkowski. 2,439,962, Apr. 20.
- Drum supporting base and actuating mechanism assembly for washing machines, Outer and inner cylindrical. L. Zimarik. 2,445,593, July 20.
- Dry batteries, Method and system for warming. J. P. Schrodt, D. N. Craig, and G. W. Vinal. 2,442,380, June 1.
- Dry battery, Multivoltage. D. L. Harford. 2,449,811, Sept. 21.
- Dry cell battery with terminal cap. C. M. Bircher. 2,445,556, July 20.
- Dry cell depolarizing and reconditioning device. D. R. Fry. 2,451,726, Oct. 19.
- Dry cell, Leakproof. O. K. Reinhardt and T. F. Fallon. 2,450,813, Oct. 5.
- Dry cell, Leak-proof. R. J. Schmelzer. 2,445,005, July 13.
- Dry cell with sealing means. A. F. Rock. 2,444,616, July 6.
- Dry-cleaning emulsion. J. R. Fisher, Jr. 2,450,505, Oct. 5.
- Dry mixes for use in electrolytic recording. H. G. Greig. 2,442,596, June 1.
- Dry pipe valve. W. B. Griffith. 2,447,174, Aug. 17.
- Dry plate rectifier. S. S. Fry. 2,446,467, Aug. 3.
- Dry rectifier element and manufacture. C. A. Kotterman. 2,452,577, Nov. 2.
- Dryer: *See*—
- Adjustable hose drier. Hand dryer.
- Drier. Stocking dryer.
- Hair drier.
- Dryer and automatic washer, Combined. N. B. Wales. 2,434,476, Jan. 13.
- Dryer and cooler, Suction-type grain. A. B. Welty. 2,437,899, Mar. 16.
- Dryer and shaper, Pants. O. S. Vigerust and J. Layne. 2,435,482, Feb. 3.
- Dryer frame. A. W. Pfeffer. 2,438,324, Mar. 23.
- Drying and roasting machine, Matrix. O. R. Simmons. 2,457,282, Dec. 28.
- Drying apparatus. W. Dreisel. 2,439,722, Apr. 13.
- Drying apparatus for coffee beans or the like comprising a movable agitator and gas circulating means. A. R. Yglesias-Paz. 2,451,462, Oct. 19.
- Drying apparatus having means to guide web over drum, Rotary drum. C. W. Apgar and A. L. Rosenfeld. 2,440,839, May 4.
- Drying apparatus, Motor vehicle. L. J. Rousseau. 2,448,834, Sept. 7.
- Drying apparatus, Paper. M. Phillips. 2,440,346, Apr. 27.
- Drying apparatus, Thread. L. A. Corey and T. S. Mayner. 2,456,925, Dec. 21.
- Drying apparatus, Wind whip. O. Elsebusch. 2,441,062, May 4.
- Drying compositions, Synthetic. S. O. Greenlee. 2,456,408, Dec. 14.
- Drying egg substance and resulting product. C. N. Frey and G. E. Miller. 2,447,063, Aug. 17.
- Drying extended lengths of thread with infrared lamps. C. R. Long. 2,445,443, July 20.
- Drying machine. R. C. Parkes. 2,449,667, Sept. 21.
- Drying machine of the air-circulating, rotary drum, and enclosing casing type. E. W. Forney. 2,438,995, Apr. 6.
- Drying method. R. Bassinger and O. A. Wright. 2,444,588, July 6.
- Drying of frozen materials. S. O. Levinson and F. Oppenheimer. 2,435,503, Feb. 3.
- Drying of frozen materials by heat radiation. S. O. Levinson and F. Oppenheimer. 2,445,120, July 13.
- Drying of microspherical gels. K. J. Nelson. 2,438,450, Mar. 23.
- Drying of sodium nitrite to obtain a relatively noncaking granular form. D. R. Duncan. 2,456,393, Dec. 14.
- Drying of textile materials. J. W. Illingworth. 2,438,366, Mar. 23.
- Drying oils from a dithiol and divinylacetylene, Synthetic. C. M. Langkammerer. 2,448,987, Sept. 7.
- Drying rack or hanger. L. Siteman. 2,443,696, June 22.
- Drying rayon thread by high-frequency electric currents. F. H. Griffin. 2,433,842, Jan. 6.
- Drying textiles, Process and apparatus for. P. L. and F. T. Miller. 2,456,301, Dec. 14.
- Drying wood, Apparatus and method for. M. S. Hudson. 2,435,218, Feb. 3.
- Dual control apparatus for continuous and preselected multiturn motion. M. N. Yardeny. 2,442,739, June 1.
- Dual tire valve. H. N. Wheeler. 2,445,547, July 20.
- Dual-voltage motor control system. E. H. Hornbarger. 2,445,434, July 20.
- Duck decoy. J. A. Woodhead. 2,457,295, Dec. 28.
- Duck decoy, Electrical. W. H. Jones. 2,443,040, June 8.
- Duct, Current distribution. J. G. Jackson and R. H. Kingdon. 2,444,648, July 6.
- Duct turns or vanes, Manufacture of. H. M. Marc. 2,454,074, Nov. 16.
- Ductless system. A. H. Bahnson, Jr. 2,450,571, Oct. 5.
- Ducts, Manufacture of. H. M. Marc. 2,434,465, Jan. 13.
- Dump attachment for vehicles. J. R. Steenhoven. 2,437,656, Mar. 9.
- Dump body for trucks. C. Guldry. 2,452,850, Nov. 2.
- Dump cart. J. W. Orendorff. 2,437,890, Mar. 16.
- Dump for mine cars, Kickback. M. K. Marlowe and L. Daugherty. 2,441,077, May 4.
- Dump vehicle. G. E. Coats. 2,444,808, July 6.
- Dumping box. B. D. and W. D. McIntyre. 2,440,056, Apr. 20.
- Dumping vehicle. E. B. Snead. 2,454,101, Nov. 16.
- Dunnage for airplane parts. C. C. Stuart. 2,443,523, June 15.
- Duplex four-way valve. H. W. Adams and O. A. Wheelon. 2,448,649, Sept. 7.
- Duplex micrometer gauge. R. M. Vinyard. 2,451,419, Oct. 12.
- Duplicating device, Manifold check. R. F. Gromer. 2,442,269, May 25.
- Duplicating inks. M. J. Holik. 2,454,700, Nov. 23.
- Duplicating machine. R. W. Bailey and M. M. Harding. 2,439,070, Apr. 6.
- Duplicating machine, Automatic. R. D. Shaw. 2,455,882, Dec. 7.
- Duplication of marks on laundry, Preventing. W. Silverman. 2,439,679, Apr. 13.
- Dust cap and valve cap lock for tire valves, Combination. J. De Stefano. 2,453,001, Nov. 2.
- Dust collector. H. C. Dohrmann. 2,448,424, Aug. 31.
- Dust collector. L. Lee. 2,451,755, Oct. 19.
- Dust collector. W. O. Vedder. 2,453,951, Nov. 16.

- Dusting device. R. R. Root. 2,443,584, June 15.
 Dustpan. W. E. Coats. 2,453,973, Nov. 16.
 Dustpan, Hygienic. E. Cortés. 2,454,430, Nov. 23.
 Dust separator. D. Dalin. 2,437,294, Mar. 9.
 Dust separator and filter. R. E. Brown. 2,437,592, Mar. 9.
 Dye composition. W. J. Champion. 2,440,364, Apr. 27.
 Dye composition for color photography. H. C. Harsh, R. M. Haff, and F. J. Kaszuba. 2,447,462, Aug. 17.
 Dye compounds containing a trifluoromethyl group, Amino-anthraquinone. J. B. Dickey and E. B. Towne. 2,451,478, Oct. 19.
 Dye intermediates for colour photography. J. D. Kendall and D. J. Fry. 2,436,007, Feb. 17.
 Dye intermediates, Producing. T. R. Thompson. 2,450,400, Sept. 28.
 Dye liquors by treatment with activated carbon and product thereof, Recovering spent. L. C. Galatioto. 2,445,323, July 20.
 Dye, Monoazo. M. Mandoza. 2,436,013, Feb. 17.
 Dye printing, Cinematographic. G. F. Rackett. 2,457,319, Dec. 28.
 Dyeing machine, Fibrous stock. A. Robertson. 2,434,719, Jan. 20.
 Dyeing nylon-acetate mixed fabric with 3-nitro-4-amino-2-chlorobiphenyl. J. G. Kern. 2,456,288, Dec. 14.
 Dyeing of alkali-sensitive fibers, including an acid reduction of the vat dye impregnated fibers, Vat. G. K. Poltica. 2,450,767, Oct. 5.
 Dyeing of textile fibres containing nitrogen. J. H. MacGregor. 2,448,448, Aug. 31.
 Dyes, Benzthiazyl azo. N. H. Haddock. 2,443,314, June 15.
 Dyes, Chromable monoazo. A. Conzetti. 2,447,164, Aug. 17.
 Dyes containing a carbonyl and thiocarbonyl group, Chain substituted cyanine. A. W. Anish. 2,435,865, Feb. 10.
 Dyes containing a cycloalkyl group on the dimethine chain, Merocarbocyanine. L. G. S. Brooker and G. H. Keyes. 2,441,530, May 11.
 Dyes containing a mesocycloalkyl group, Carbocyanine. L. G. S. Brooker and G. H. Keyes. 2,441,529, May 11.
 Dyes, Green tetraakisazo. C. E. Sparks, J. W. Libby, Jr., and J. H. Trepagnier. 2,448,158, Aug. 31.
 Dyes, Metallizable monoazo. F. Straub, W. Widmer, and H. Schneider. 2,452,171, Oct. 26.
 Dyes, Metallized pyrazolone azo. B. G. Carson. 2,443,226, June 15.
 Dyes on a fibrous sheet material and the fibrous sheet material for said process, Electrolytically producing azo. M. Solomon. 2,435,700, Feb. 10.
 Dyes, Soluble basic. A. E. Schaefer. 2,435,905, Feb. 10.
 Dyes, Trimethine cyanine. F. M. Hamer and E. B. Knott. 2,447,332, Aug. 17.
 Dyes, Water-soluble anthraquinone. P. Grossmann. 2,441,355, May 11.
 Dyestuff comprising condensing 4-sulfo-2-nitro-chlorobenzene with a parasubstituted amine, Production of. G. W. Seymour and V. S. Salvin. 2,443,666, June 22.
 Dyestuff, Cyanine. J. D. Kendall, H. G. Suggate, and H. W. Wood. 2,455,420, Dec. 7.
 Dyestuff preparations containing an acid ester salt of a leuco vat dyestuff, a water-soluble acid amide and a salt of a quaternary amino acid. R. Ratti and P. Brandt. 2,437,554, Mar. 9.
 Dyestuffs and making the same, Gray vat. L. D. Lytle. 2,456,589, Dec. 14.
 Dyestuffs, Anthraquinone vat. F. Irving and A. Livingston. 2,447,981, Aug. 24.
 Dyestuffs, Anthraquinone vat. W. Kern. 2,439,626, Apr. 13.
 Dyestuffs, Disazo. R. Ruegg. 2,452,263, Oct. 26.
 Dyestuffs, Gray acid anthraquinone. G. M. Smyth. 2,454,679, Nov. 23.
 Dyestuffs, Manufacture of. N. H. Haddock. Re. 22,983, Mar. 9.
 Dyestuffs of the anthraquinone series. E. Gutzwiller. 2,448,094, Aug. 31.
 Dyestuffs of the anthraquinone series. G. W. Seymour, V. S. Salvin, and C. E. Hieserman. 2,445,007, July 13.
 Dyestuffs of the anthraquinone series. S. von Allmen and H. Egenberger. 2,453,285, Nov. 9.
 Dyestuffs of the pyrazolone series, Azo. A. W. Nies. 2,447,867, Aug. 24.
 Dyestuffs, Preparation of anthrimide-carbazole. G. M. Smyth and J. F. Cullinan. 2,434,056, Jan. 6.
 Dyestuffs, Trisazo urea. O. Kaiser. 2,435,356, Feb. 3.
 Dynamic braking system. F. D. Snyder. 2,445,460, July 20.
 Dynamic braking system for series motors. G. R. Purifoy. 2,436,330, Feb. 17.
 Dynamic damper support. A. T. Gregory and C. C. De Pew. 2,448,973, Sept. 7.
 Dynamic strain pickup. W. Ramberg. 2,435,254, Feb. 3.
 Dynamo electric machine. J. S. Askey. 2,437,990, Mar. 16.
 Dynamoelectric machine. R. A. Baudry. 2,456,612, Dec. 21.
 Dynamoelectric machine. H. B. Fuge. 2,438,872, Mar. 30.
 Dynamoelectric machine. C. J. Herman. 2,443,455-6, June 15.
 Dynamoelectric machine. V. R. Holmgren. 2,451,219, Oct. 12.
 Dynamoelectric machine. A. C. Hugin. 2,453,509, Nov. 9.
 Dynamoelectric machine. R. D. Jones. 2,450,664, Oct. 5.
 Dynamoelectric machine. T. M. Linville. 2,436,654, Feb. 24.
 Dynamoelectric machine. H. M. Martin. 2,448,381, Aug. 31.
 Dynamoelectric machine. H. S. Maxwell. 2,450,290, Sept. 28.
 Dynamoelectric machine. J. D. Miner, Jr., and J. E. Mulheim. 2,436,320, Feb. 17.
 Dynamoelectric machine. J. Nader. 2,435,692, Feb. 10.
 Dynamoelectric machine. W. J. O'Brien. 2,450,982, Oct. 12.
 Dynamoelectric machine. P. D. Ross. 2,442,213, May 25.
 Dynamoelectric machine. M. D. Stahl. 2,449,021, Sept. 7.
 Dynamoelectric machine. C. A. Thomas. 2,452,966, Nov. 2.
 Dynamoelectric machine. C. A. Thomas. 2,454,581, Nov. 23.
 Dynamoelectric machine. A. Valentin. 2,457,014, Dec. 21.
 Dynamoelectric machine, Alternating-current commutator. C. S. Roys. 2,442,861, June 8.
 Dynamoelectric machine and securing device. F. H. Fleischer. 2,453,504, Nov. 9.
 Dynamoelectric machine commutation. A. C. Korte and A. N. Szwargulski. 2,441,421, May 11.
 Dynamoelectric machine, Fan-cooled. L. R. Ludwig, T. C. Fockler, W. H. Formhals, and H. T. Walton. 2,449,494, Sept. 14.
 Dynamoelectric machine member. C. J. Herman. 2,443,457, June 15.
 Dynamoelectric machine with closed air circulating system. L. W. Melcher. 2,453,449, Nov. 9.
 Dynamoelectric machine with cooling means. H. M. Martin. 2,440,551, Apr. 27.
 Dynamometer. J. R. Wrathall. 2,438,026, Mar. 16.
 Dynamometer control system. J. R. Wrathall. 2,456,345, Feb. 17.
 Dynamometer control system. J. R. Wrathall and J. G. Ivy. 2,436,346, Feb. 17.
 Dynamometer, Hydraulic. E. L. Cline. 2,452,550, Nov. 2.
 Dynode. P. K. Weimer. 2,443,547, June 15.
 Ear decoration. G. M. Axtell. 2,453,485, Nov. 9.
 Ear defender. N. A. Watson, P. S. Veneklasen, R. W. Leonard, and R. S. Gales. 2,437,490, Mar. 9.
 Ear muff and hat, Combined. I. Goldman. 2,444,251, June 29.
 Ear muff arrangement. H. M. Rabushka. 2,442,825, June 8.
 Earphone receiver, Electromagnetic. W. F. Knauert. 2,449,557, Sept. 21.
 Ear plug. C. Leight. 2,446,707, Aug. 10.
 Ear protector. B. O. Fanslow. 2,439,289, Apr. 6.
 Ear protector. R. H. Salisbury and E. M. Oehser. 2,437,049, Mar. 2.
 Earring. E. Farkas. 2,435,344, Feb. 3.
 Earring. A. Herman. 2,457,672, Dec. 28.
 Earring clamp. J. A. Stromely. 2,446,252, Aug. 3.
 Earth handling machine. J. B. Jarmin. 2,446,136, July 27.
 Earth working tool. M. Wooldridge. 2,444,321, June 29.
 Earthworm disgorging device. J. B. Karnowski. 2,450,597, Oct. 5.
 Easel. D. Eged. 2,445,136, July 13.
 Easel. J. H. Oxley. 2,434,860, Jan. 20.
 Easel. H. Ullmann. 2,450,495, Oct. 5.
 Easel attachment for ladders, Painter's. J. L. Arnold. 2,453,355, Nov. 9.
 Easel back. G. E. Nichols. 2,454,521, Nov. 23.
 Easel book construction for ring books or loose-leaf binders. F. S. Schade. 2,451,694, Oct. 19.
 Easel bracket. O. E. Davis. 2,451,020, Oct. 12.
 Easel, Display. C. E. Anderson. 2,441,655, May 18.
 Easel, Display. K. T. Buttery. 2,441,395, May 11.
 Easel for colored photographic printing. L. V. Grover. 2,453,431, Nov. 9.
 Easel frame. W. J. Crosby. 2,448,580, Sept. 7.
 Easel, Photographic printing. F. V. Schleimer. 2,454,097, Nov. 16.
 Easel picture frame. C. C. Miles. 2,456,720, Dec. 21.
 Easel, Projection printing. A. Raiff, S. S. and V. G. Robbins, and I. S. Rosen. 2,441,843, May 18.
 Easel stand. E. J. Forsyth. 2,447,460, Aug. 17.
 Easel-type support. G. W. Curry. 2,441,932, May 18.
 Easy opening metal container. J. Coyle. 2,444,591, July 6.
 Easy packing container. J. R. Belsinger. 2,453,614, Nov. 9.
 Eaves trough attaching mechanism. G. C. Bassett. 2,434,754, Jan. 20.
 Ecclesiastical equipment. N. V. Casson. 2,453,892, Nov. 16.
 Echo sounding indicator. G. T. Lorange. 2,446,937, Aug. 10.
 Echo sounding indicator. F. L. Seebinger, Jr. 2,446,960, Aug. 10.
 Echo sounding system with sensitivity control. A. D. Zappacosta. 2,449,358, Sept. 14.
 Ecliptic flasher lamp. H. W. McQuaid. 2,455,020, Nov. 30.
 Eddy-current coupling. M. P. Winther. 2,452,820, Nov. 2.
 Edge filter. P. G. Cox. 2,447,797, Aug. 24.
 Edge finder. W. P. Rizor. 2,435,799, Feb. 10.

- Edge finishing machine. T. W. Hart. 2,456,123, Dec. 14.
- Edge for T-square and the like. J. Nash. 2,454,938, Nov. 30.
- Edge-gluing machine, Veneer. O. S. Bolling. 2,436,091, Feb. 17.
- Edge guard for hand luggage. G. H. Wheary, Jr. 2,438,591, Mar. 30.
- Edge trimming machine. F. F. Murray. 2,450,842, Oct. 5.
- Educational apparatus. F. A. Wade and W. Metzner. 2,457,332, Dec. 28.
- Educational device. H. R. Cohn. 2,454,632, Nov. 23.
- Educational device. A. F. Kirschbaum. 2,454,655, Nov. 23.
- Educational device. G. R. Phillips. 2,435,097, Jan. 27.
- Educational device. W. K. Robinson. 2,453,265, Nov. 9.
- Educational game device. H. O. Eby. 2,444,768, July 6.
- Eductor. A. E. Reinhardt. 2,444,615, July 6.
- Eel trap. L. T. Critchlow. 2,441,219, May 11.
- Efficiency meter. J. R. Boykin. 2,434,544, Jan. 13.
- Egg boiler. D. W. Stabler. 2,447,039, Aug. 17.
- Egg-candling device, Endless conveyer. W. J. Roberts. 2,451,577, Oct. 19.
- Egg-carrier mechanism for classifying eggs according to weight, Rotary counterbalanced. C. S. Jordan. 2,451,836, Oct. 19.
- Egg carton. W. J. Roberts. 2,452,150, Oct. 26.
- Egg case carrier. E. Jobe. 2,434,163, Jan. 6.
- Egg cleaner. E. T. Molitor. 2,450,606, Oct. 5.
- Egg drying apparatus with conveyor providing zigzag paths. G. W. Johnson. 2,441,884, May 18.
- Egg holder. J. J. De Luce. 2,436,469, Feb. 24.
- Egg powder, Dried. M. M. Boggs and H. L. Fevold. 2,445,299, July 13.
- Egg separator. J. A. Magnesi. 2,434,046, Jan. 6.
- Eggshell remover. D. Jauhainen. 2,449,941, Sept. 21.
- Egg tray for refrigerators. A. C. Jermyn. 2,438,443, Mar. 23.
- Egg washer. W. J. Reading. 2,454,090, Nov. 16.
- Egg washing machine. O. W. Swanson. 2,442,475, June 1.
- Eggs for breaking, Coating. G. F. Hodson. 2,439,808, Apr. 20.
- Eggs, Treating. G. O. Hall. 2,445,879, July 27.
- Ejector and reflector, Saliva. H. Friedman. 2,436,040, Feb. 17.
- Ejector for vending machines, Article. M. Caruso. 2,455,976, Dec. 14.
- Ejector, Pulp. R. O. Stokes. 2,438,258, Mar. 23.
- Ejector type electrode holder. H. A. Mullen. 2,443,052, June 8.
- Elapsed time indicator. H. Springer. 2,451,250, Oct. 12.
- Elastic and elastomer products, Synthetic. M. M. Sprung and C. A. Burkhard. 2,448,556, Sept. 7.
- Elastic fabrics, making. B. H. Foster. 2,450,948, Oct. 12.
- Elastic nylon articles, Production of. J. R. Lewis, D. McCreath, and R. J. W. Reynolds. 2,434,247, Jan. 13.
- Elastic rotational system. F. R. McFarland. 2,446,942, Aug. 10.
- Elastic snap ring fastener. J. S. Aber. 2,456,355, Dec. 14.
- Elastomer plasticizing composition composed of coumarone resin and an aromatic hydrocarbon oil. F. W. Corkery. 2,449,929, Sept. 21.
- Elastomers and preparing the same, Dimethyl silicon. J. G. E. Wright and C. S. Oliver. 2,448,565, Sept. 7.
- Elastomers, Methyl siloxane. M. C. Agens. 2,448,756, Sept. 7.
- Electric air circulating heater. U. G. Smith. 2,441,726, May 18.
- Electric air heater. M. R. Dallin. 2,451,926, Oct. 19.
- Electric air heater. C. M. Osterheld. 2,457,598, Dec. 28.
- Electric air position indicator. W. H. T. Holden. 2,434,270, Jan. 13.
- Electric annealing apparatus. R. I. Hahn. 2,444,348, June 29.
- Electric arc conversion apparatus. S. B. Becker and P. F. Hawley. 2,441,056, May 4.
- Electric arc extinguishing apparatus. N. F. Arone and E. W. Boehne. 2,443,017, June 8.
- Electric boiler. A. A. Smith. 2,450,061, Sept. 28.
- Electric branding iron. C. E. Farrar. 2,455,410, Dec. 7.
- Electric brazing metal parts. F. W. Schwinn. 2,448,329, Aug. 31.
- Electric burglar alarm system. G. L. Fleming. 2,436,470, Feb. 24.
- Electric cable. R. A. Johnson. 2,455,773, Dec. 7.
- Electric change-over system. J. D. Phyfe. 2,440,184, Apr. 20.
- Electric circuit. W. H. Bruns. 2,438,535, Mar. 30.
- Electric circuit breaker. A. C. Boisseau and R. E. Bold. 2,436,190, Feb. 17.
- Electric circuit breaker. A. C. Boisseau and B. S. Beall. 2,444,765, July 6.
- Electric circuit breaker. R. N. Buttrey. 2,439,126, Apr. 6.
- Electric circuit breaker. B. E. Spiro and R. J. Baskerville. 2,445,190, July 13.
- Electric circuit breaker. J. W. Timmerman, Jr. 2,436,191, Feb. 17.
- Electric circuit controller. B. W. Roth. 2,437,790, Mar. 16.
- Electric circuit equalization. K. W. Pfeiffer. 2,444,063, June 29.
- Electric circuit for electromagnets. W. A. Ray. 2,446,719, Aug. 10.
- Electric circuit interrupter. W. E. Paul. 2,436,665, Feb. 24.
- Electric circuit regulator. T. P. Kinn and D. R. Tashjian. 2,436,307, Feb. 17.
- Electric circulating heater. H. F. MacDonald and W. N. Askers. 2,438,670, Mar. 30.
- Electric circulating space heater. W. A. Gustafson and W. J. Schneider. 2,443,983, June 22.
- Electric clamp-on heater. A. A. Reiser. 2,445,185, July 13.
- Electric coil. A. O. Ericksberg and J. T. Osterman. 2,434,492, Jan. 13.
- Electric coils, Making. J. T. Osterman and A. O. Ericksberg. 2,434,511, Jan. 13.
- Electric combination lock. A. E. Joel, Jr. 2,436,809, Mar. 2.
- Electric condenser. D. A. Clouet. 2,444,032, June 29.
- Electric condenser and making the same. F. D. Schottland. 2,437,212, Mar. 2.
- Electric contact. F. R. Hensel, E. I. Larsen, and E. F. Swazy. 2,439,570, Apr. 13.
- Electric contact. E. M. Wise. 2,434,305, Jan. 13.
- Electric contact device. A. Wellman. 2,435,484, Feb. 3.
- Electric contact plugs, Making. H. Lovesey. 2,444,997, July 13.
- Electric control apparatus for rapidly placing a load in any desired position. M. N. Yardeny. 2,439,329, Apr. 6.
- Electric control circuit. H. W. Ainsworth. 2,450,216, Sept. 28.
- Electric control circuit. G. Belfils. 2,437,066, Mar. 2.
- Electric control circuit. J. L. Stratton. 2,442,518, June 1.
- Electric control device. T. S. and J. Briskin, and J. Golick. 2,437,591, Mar. 9.
- Electric control switch. W. J. Altken. 2,448,650, Sept. 7.
- Electric control system. B. D. Bedford. 2,445,991, July 27.
- Electric control system. E. H. Haug. 2,436,803, Mar. 2.
- Electric cooking heater. F. W. Thompson. 2,446,666, Aug. 10.
- Electric cord. G. E. Gustafson. 2,438,006, Mar. 16.
- Electric current interrupter. S. O. Fiedler and J. Bjorksten. 2,437,225, Mar. 2.
- Electric current rectifier, Alternating. L. E. Thompson. 2,444,385, June 29.
- Electric discharge apparatus. J. H. Campbell. 2,456,859, Dec. 21.
- Electric discharge apparatus. J. H. Campbell. 2,456,860, Dec. 21.
- Electric discharge device. H. F. Fruth. 2,449,113, Sept. 14.
- Electric discharge device. T. Hehenkamp. 2,438,557, Mar. 30.
- Electric discharge device. E. Lemmers. 2,445,678, July 20.
- Electric discharge device and coaxial line cavity resonator therefor. E. D. McArthur. 2,434,115, Jan. 6.
- Electric discharge device for space resonant circuits. J. E. Beggs. 2,445,992, July 27.
- Electric discharge device system, Reversely-connected. A. F. Cann. 2,450,032, Sept. 28.
- Electric discharge lamp. S. W. Cram. 2,444,397, June 29.
- Electric discharge tube. W. A. Roovers. 2,454,572, Nov. 23.
- Electric discharge tube base. P. H. Fennema, J. G. Kronauer, and F. Prake. 2,449,374, Sept. 14.
- Electric discharge tube, Very high frequency. K. S. Knol and J. M. van Hofweegen. 2,446,374, Aug. 3.
- Electric drive, Continuously adjustable speed. P. J. McLaren, J. A. Vaughan, and M. Fry. 2,456,522, Dec. 14.
- Electric fence wire fastener. A. E. Weber. 2,456,547, Dec. 14.
- Electric field or potential indicator. R. Gunn. 2,449,068, Sept. 14.
- Electric flood signal. J. O. Williams. 2,448,340, Aug. 31.
- Electric furnace. R. K. Hopkins. 2,448,886, Sept. 7.
- Electric fuse box. R. Bauwens. 2,447,049, Aug. 17.
- Electric gas discharge tube. P. Schouwstra. 2,438,579, Mar. 30.
- Electric gaseous discharge lamp circuit. C. M. Larime. 2,444,408, June 29.
- Electric glass heating. E. M. Guyer. 2,445,063, July 13.
- Electric heater. E. C. Adams. 2,455,967, Dec. 14.
- Electric heater. J. Neiser. 2,438,861, Mar. 30.
- Electric heater. C. E. Patisaul. 2,435,363, Feb. 3.
- Electric heater. G. C. Wicks. Re. 23,047, Oct. 26.
- Electric heater for tanks. T. F. Green, Jr. 2,448,669, Sept. 7.
- Electric heater member for apparatus for permanently waving the hair. W. L. Fry. 2,443,133, June 8.
- Electric heater thermostatic switch control. P. B. Levitt and J. D. Morgan. 2,437,262, Mar. 9.
- Electric heating apparatus. E. S. Smith. 2,448,634, Sept. 7.
- Electric heating device. W. A. Bohannon. 2,448,856, Sept. 7.
- Electric hot forming apparatus. G. A. Waldie. 2,443,336, June 15.

- Electric hot-water heater. H. C. Mittendorf. 2,451,296, Oct. 12.
- Electric induction furnace for continuously heating metal strip. G. P. Wilson. 2,437,776, Mar. 16.
- Electric instrument, Dual. R. W. Gilbert. 2,455,167, Nov. 30.
- Electric iron. S. and A. Chiarotti. 2,448,577, Sept. 7.
- Electric iron. M. Ireland. 2,446,284, Aug. 3.
- Electric iron. T. F. Safady. 2,439,059-60, Apr. 6.
- Electric lamp. W. J. Allphin. 2,449,268, Sept. 14.
- Electric lamp. G. C. Singer. 2,438,684, Mar. 30.
- Electric lamp. R. B. Thomas and M. D. Betts. 2,455,829, Dec. 7.
- Electric lamp attachment for caps. H. A. Walworth. 2,448,240, Aug. 31.
- Electric lighting. A. L. Arenberg. 2,456,166, Dec. 14.
- Electric motor. A. Berteau. 2,453,358-9, Nov. 9.
- Electric motor. F. H. Gerlach and J. D. Miller, Jr. 2,454,155, Nov. 16.
- Electric motor. C. B. Livers. 2,456,967, Dec. 21.
- Electric motor. J. W. Suydam. Re. 23,021, July 27.
- Electric motor construction. E. O. Schweitzer, Jr. 2,442,782, June 8.
- Electric motor control system. G. E. King. 2,438,010, Mar. 16.
- Electric motor control system. J. R. Pattee. 2,439,096, Apr. 6.
- Electric motor-driven concrete mixer. J. Santagata. 2,450,993, Oct. 12.
- Electric motor follow-up system. W. H. Newell and H. F. McKenney. 2,448,387, Aug. 31.
- Electric motor follow-up type of control. C. H. Dederick. 2,445,515, July 20.
- Electric motor speed controller. M. Morrison. 2,437,611, Mar. 9.
- Electric motor structure for gyroscopes. J. F. Schoepel. 2,438,621, Mar. 30.
- Electric motor system and controlling the same. J. Hornbostel. 2,437,428, Mar. 9.
- Electric outlet. H. A. Abraham. 2,439,708, Apr. 13.
- Electric plug. C. H. Dolan, II. 2,448,086, Aug. 31.
- Electric plug. M. M. Guernsey. 2,450,657, Oct. 5.
- Electric plug adapter. W. J. Miller. 2,443,797, June 22.
- Electric plug and socket latch. L. Frank. 2,439,462, Apr. 13.
- Electric portable stove. E. J. Christensen. 2,448,956, Sept. 7.
- Electric pressure strain gauge. L. D. Statham. 2,455,883, Dec. 7.
- Electric proportioning control apparatus with reset. W. H. Wannemaker, Jr. 2,446,163, July 27.
- Electric pulse delay circuit. B. M. Oliver. 2,435,598, Feb. 10.
- Electric range switch. F. P. Gates. 2,454,646, Nov. 23.
- Electric regulation. J. L. Creveling. 2,441,059, May 4.
- Electric regulation. J. L. Creveling. 2,453,065, Nov. 2.
- Electric regulator. J. L. Stratton. 2,452,611, Nov. 2.
- Electric reciprocating motor. T. J. Murphy. 2,434,671, Jan. 20.
- Electric relay. O. I. Price. 2,449,086, Sept. 14.
- Electric resistance and filler metal butt welding. H. A. Bissout and W. Y. Borresen. 2,453,061, Nov. 2.
- Electric resistance welding laminated sheet metal structure. M. Pariot. 2,445,801, July 27.
- Electric room heater. H. H. Oetjen. 2,440,018, Apr. 20.
- Electric servo. C. L. Paulus. 2,454,832, Nov. 30.
- Electric soldering. G. D. Lea and C. L. Pfeiffer. 2,435,789, Feb. 10.
- Electric soldering apparatus. H. J. Braner. 2,437,151, Mar. 2.
- Electric soldering iron. G. Gilliver. 2,457,143, Dec. 28.
- Electric soldering iron. G. A. Hawkins. 2,439,296, Apr. 6.
- Electric soldering iron. C. B. Sohns. 2,456,030, Dec. 14.
- Electric soldering tool. C. P. Kephart. 2,451,290, Oct. 12.
- Electric stove with utensil retaining means. A. Cecchini. 2,448,417, Aug. 31.
- Electric strain gauge. L. D. Statham. 2,453,549, Nov. 9.
- Electric strain gauge. L. D. Statham, C. J. Baker, and K. D. Swartzel. 2,453,601, Nov. 9.
- Electric strain gage. E. C. Walker. 2,438,589, Mar. 30.
- Electric switch. J. L. Ashford. 2,457,115, Dec. 28.
- Electric switch. G. B. Benander. 2,454,540, Nov. 23.
- Electric switch. G. C. Crowley. 2,453,498, Nov. 9.
- Electric switch. J. A. Favre. 2,435,432, Feb. 3.
- Electric switch. J. Fowler. 2,435,438, Feb. 3.
- Electric switch. S. S. Grady. 2,455,927, Dec. 14.
- Electric switch. S. R. Heymann, J. H. Leslie, II, and W. A. Marshall, Jr. 2,450,961, Oct. 12.
- Electric switch. A. W. Krieser. 2,448,444, Aug. 31.
- Electric switch. I. E. McCabe. 2,451,107, Oct. 12.
- Electric switch. D. E. Moran and S. F. Jarvis. 2,452,065, Oct. 26.
- Electric switch. R. G. Nelson. 2,439,747, Apr. 13.
- Electric switch. J. A. Oppel. 2,438,373, Mar. 23.
- Electric switch. W. E. Paul. 2,439,264, Apr. 6.
- Electric switch. R. N. Rowe. 2,450,256, Sept. 28.
- Electric switch. R. N. Rowe. 2,457,497, Dec. 28.
- Electric switch. W. Schmid. 2,446,789, Aug. 10.
- Electric switch. S. A. Singleton. 2,440,025, Apr. 20.
- Electric switch. E. G. Taylor. 2,448,841, Sept. 7.
- Electric switch. F. Von Voigtlander. 2,447,969, Aug. 24.
- Electric switch contact. J. W. McClain. 2,443,047, June 8.
- Electric switch lock. W. C. McWhirter and G. V. Jefferson. 2,437,328, Mar. 9.
- Electric switch operable by alarm clocks. S. Dakoski. 2,438,544, Mar. 30.
- Electric system. H. E. Edgerton. 2,449,063, Sept. 14.
- Electric system for controlling motions. M. Laitmann. 2,440,147, Apr. 20.
- Electric system to control impedances. F. J. Hooven. 2,448,885, Sept. 7.
- Electric temperature device. F. E. Wise. 2,450,263, Sept. 28.
- Electric terminal. J. J. Jorgensen. 2,447,254, Aug. 17.
- Electric terminal receptacle. E. E. Sutherland. 2,453,045, Nov. 2.
- Electric time switch. M. H. Rhodes. 2,434,471, Jan. 13.
- Electric timing apparatus. E. W. Landmeier. 2,443,508, June 15.
- Electric timing motor. J. Lemire. 2,448,812, Sept. 7.
- Electric upsetting and forming. S. and A. Westin. 2,452,974, Nov. 2.
- Electric vehicle direction indicator. C. H. Phillips. 2,453,931, Nov. 16.
- Electric vehicle turn indicator. P. A. Peterson and H. Siebert. 2,436,667, Feb. 24.
- Electric vibratory interrupter. C. Huettner. 2,440,145, Apr. 20.
- Electric water heater. F. Graves. 2,446,367, Aug. 3.
- Electric water heater. S. W. Hall. 2,456,693, Dec. 21.
- Electric welding apparatus. J. M. Tyrner. 2,448,694, Sept. 7.
- Electric welding ground. O. R. Abram. 2,437,633, Mar. 9.
- Electric welding machine. H. G. Watkin. 2,438,262, Mar. 23.
- Electric welding tool. R. F. Zimmerman. 2,442,449, June 1.
- Electric winding. W. J. Bilodeau. 2,436,188, Feb. 17.
- Electric winding. F. R. D'Entremont. 2,436,207, Feb. 17.
- Electrical alarm system. J. J. Kertz. 2,449,168, Sept. 14.
- Electrical alternating current generator. H. J. Tyzzer. 2,448,501, Aug. 31.
- Electrical apparatus. H. W. Ashton. 2,454,497, Nov. 23.
- Electrical apparatus. H. Benioff. 2,443,179, June 15.
- Electrical apparatus. F. D. Fielder. 2,454,147, Nov. 16.
- Electrical apparatus. E. F. MacNichol, Jr. 2,443,794, June 22.
- Electrical apparatus. K. K. Paluev. 2,440,556, Apr. 27.
- Electrical apparatus. C. H. Waterman. 2,443,647, June 22.
- Electrical apparatus collector conditioning. F. P. Vacha. 2,439,114, Apr. 6.
- Electrical apparatus for gaseous discharging devices. H. W. Alford. 2,446,152, July 27.
- Electrical apparatus for loud speaker systems. W. O. Crane. 2,455,471, Dec. 7.
- Electrical apparatus for uniting dielectric material, intermittent feed high-frequency. H. J. Le Vesconte. 2,434,325, Jan. 13.
- Electrical attachment plug. P. E. Gurin. 2,434,154, Jan. 6.
- Electrical bridge and galvanometer circuits. C. Anderson. 2,444,624, July 6.
- Electrical brush for high-altitude operation. D. Ramadanoff. 2,445,003, July 13.
- Electrical burglar alarm system. F. C. W. Stelter. 2,438,076, Mar. 16.
- Electrical cable. A. L. Wilson. 2,436,984, Mar. 2.
- Electrical cable connector. D. MacInnes. 2,446,542, Aug. 10.
- Electrical calculator. S. V. Perry. 2,436,666, Feb. 24.
- Electrical circuit. J. R. Lindsay. 2,441,497, May 11.
- Electrical circuit. R. E. Meagher. 2,439,313, Apr. 6.
- Electrical circuit. M. A. Starr. 2,439,321, Apr. 6.
- Electrical circuit. R. M. Walker. 2,439,324, Apr. 6.
- Electrical circuit control. A. S. Hegeman, Jr., and H. N. Snook. 2,449,224, Sept. 14.
- Electrical clip. H. S. Johnson. 2,444,229, June 29.
- Electrical coil. H. P. Heath. 2,444,737, July 6.
- Electrical coil and making the same. A. D. Coggeshall and B. W. Erikson. 2,442,587, June 1.
- Electrical component. F. F. Sylvester. 2,445,719, July 20.
- Electrical components. F. F. Sylvester and J. B. Adams, Jr. 2,443,700, June 22.
- Electrical condenser. C. E. G. Bailey. 2,449,577, Sept. 21.
- Electrical condenser. R. M. Barnard. 2,452,540, Nov. 2.
- Electrical condenser. H. P. Heller. 2,451,338, Oct. 12.
- Electrical condenser. W. M. Roberds. 2,439,672, Apr. 13.
- Electrical condenser. S. Y. White. 2,438,592, Mar. 30.
- Electrical conductance heater. L. R. Beath and H. S. Hill. 2,453,776, Nov. 16.
- Electrical conductor, insulated. E. S. McConnell, W. K. Priestley, and V. F. Volk. 2,446,292, Aug. 3.
- Electrical conductor, insulated. W. McMahon. 2,442,307, May 25.
- Electrical connection. N. Cordis. 2,433,892, Jan. 6.
- Electrical connection. F. J. Mantan. 2,449,496, Sept. 15.
- Electrical connection for crane hooks. E. L. Varner. 2,433,938, Jan. 6.
- Electrical connection of separable character. S. Bogen. 2,449,736, Sept. 21.

- Electrical connection, Rotatable. D. M. Phillips. 2,449,138, Sept. 14.
- Electrical connector. E. J. Allen. 2,437,180, Mar. 2.
- Electrical connector. G. M. Anderson. 2,454,760, Nov. 30.
- Electrical connector. C. Antony, Jr., and D. Mannheimer. 2,456,764, Dec. 21.
- Electrical connector. P. J. Bach and J. H. Simpson. 2,443,975, June 22.
- Electrical connector. C. L. Basham. 2,452,422, Oct. 26.
- Electrical connector. P. L. Bour. 2,457,119, Dec. 28.
- Electrical connector. V. E. Carlson. 2,449,450, Sept. 14.
- Electrical connector. C. W. Dann. 2,450,271, Sept. 28.
- Electrical connector. H. D. Else and J. E. Mulheim. 2,443,654, June 22.
- Electrical connector. G. H. Erb. 2,444,433, July 6.
- Electrical connector. R. A. Hecht. 2,440,270, Apr. 27.
- Electrical connector. D. B. Hull and L. E. Medlin. 2,434,211, Jan. 6.
- Electrical connector. J. O. Johnson. 2,452,932, Nov. 2.
- Electrical connector. H. Locktov. 2,436,217, Feb. 17.
- Electrical connector. J. C. Macy. 2,450,050, Sept. 28.
- Electrical connector. J. C. Macy. 2,450,202, Sept. 28.
- Electrical connector. K. Neijstrom. 2,454,829, Nov. 30.
- Electrical connector. C. H. Reynolds. 2,434,226, Jan. 6.
- Electrical connector. C. H. Reynolds. 2,441,921, May 18.
- Electrical connector. H. M. Rogers. 2,440,876, May 4.
- Electrical connector. H. E. Somes. 2,453,731, Nov. 16.
- Electrical connector. E. A. Sprigg. 2,450,528, Oct. 5.
- Electrical connector. H. G. Sullivan. 2,434,475, Jan. 13.
- Electrical connector. R. J. Violette. 2,449,570, Sept. 21.
- Electrical connector. H. H. Wermin. 2,439,767, Apr. 13.
- Electrical contact. G. Durst. 2,434,992, Jan. 27.
- Electrical contact brush. E. S. McLarn. 2,438,510, Mar. 30.
- Electrical contact brush. D. Ramadanoff. 2,448,685, Sept. 7.
- Electrical contact device, Conductive fluid. R. E. Paris. 2,435,725, Feb. 10.
- Electrical contact socket. E. C. Quackenbush. 2,443,513, June 15.
- Electrical contact system. W. F. Abbott. 2,445,816, July 27.
- Electrical contacts. S. D. Hopper and E. H. H. Hassler. 2,449,479, Sept. 14.
- Electrical control apparatus. A. E. Dodd. 2,446,216, Aug. 3.
- Electrical control circuit. P. Glass. 2,453,624, Nov. 9.
- Electrical control circuit. P. C. Smith. 2,443,122, June 8.
- Electrical control device. E. G. De Mott. 2,444,398, June 29.
- Electrical control for multiple heating units in tubes. J. H. Homrighous. 2,434,161, Jan. 6.
- Electrical control instrument. E. N. Jacobi. 2,450,144, Sept. 28.
- Electrical control system. O. E. Bowlus. 2,447,111, Aug. 17.
- Electrical control system. J. H. Homrighous. 2,439,735, Apr. 13.
- Electrical control system. F. L. Mosley. Re. 23,066, Dec. 21.
- Electrical control system. P. T. Nims. 2,447,134, Aug. 17.
- Electrical control system. M. H. Sheldon. 2,437,712, Mar. 16.
- Electrical cord. G. E. Henning. 2,450,429, Oct. 5.
- Electrical cord plug. C. W. Crumrine. 2,435,341, Feb. 3.
- Electrical detector network. W. F. Ertzman. 2,447,321, Aug. 17.
- Electrical device. W. I. Staf. 2,451,308, Oct. 12.
- Electrical device having glass-to-metal seal. R. Gordon and H. Miller. 2,450,130, Sept. 28.
- Electrical discharge device and base. W. W. Watrous, Jr. 2,445,462, July 20.
- Electrical discharge device employing a pool-type cathode. H. E. Zuvers. 2,437,146, Mar. 2.
- Electrical discharge device, Luminous. C. H. Van Orden. 2,445,012, July 13.
- Electrical discharge tube. J. S. Hickey and W. H. Teare. 2,446,765, Aug. 10.
- Electrical discharge tube. J. D. Le Van. 2,452,062, Oct. 26.
- Electrical fixture or the like. G. G. Ellner. 2,447,498, Aug. 24.
- Electrical follow-up system. E. J. Isbister. 2,436,807, Mar. 2.
- Electrical game board. D. T. Myers. 2,442,014, May 25.
- Electrical generating unit, Emergency. C. A. Beeson. 2,444,415, July 6.
- Electrical harmonic rebalancing apparatus. R. F. Wild. 2,448,065, Aug. 31.
- Electrical harness tester circuit. A. C. Wall. 2,437,772, Mar. 16.
- Electrical heater for liquid cooled engines. R. L. P. Braun and S. Urbant. 2,444,627, July 6.
- Electrical heating apparatus for liquids. R. C. Belgau. 2,437,453, Mar. 9.
- Electrical hydraulic power unit. E. A. Rockwell. 2,443,642, June 22.
- Electrical induction apparatus. P. Narbutovskih. 2,445,450, July 20.
- Electrical igniter for pot-type liquid fuel burners. M. Resek, T. B. Focke, and J. R. Kirkpatrick. 2,438,823, Mar. 30.
- Electrical impulse sending device. G. Deakin. 2,434,910, Jan. 27.
- Electrical indicating apparatus and circuit closer therefor. J. L. Dodson. 2,437,018, Mar. 2.
- Electrical instrument coupling. G. J. Mucher. 2,437,785, Mar. 16.
- Electrical instrument follow-up system. E. C. Burdick. 2,448,575, Sept. 7.
- Electrical instrument, Polarized armature. R. A. Fox. 2,439,970, Apr. 20.
- Electrical insulation. C. F. Hill and R. W. Auxler. 2,439,929, Apr. 20.
- Electrical insulation. M. F. Mitschrich. 2,435,093, Jan. 27.
- Electrical insulation testing apparatus. C. E. Lewis. 2,439,940, Apr. 20.
- Electrical insulation testing apparatus. C. E. Lewis. 2,440,480, Apr. 27.
- Electrical insulator. E. H. Fischer, J. D. Harnish, and R. Russell, Jr. 2,434,555, Jan. 13.
- Electrical iron holder. R. Beaudoin. 2,447,555, Aug. 24.
- Electrical light impulse generator. H. Wolff. 2,449,536, Sept. 14.
- Electrical machine. T. W. Vickers. 2,454,359, Nov. 23.
- Electrical measurement of displacement. D. E. Bovey. 2,439,711, Apr. 13.
- Electrical measuring apparatus. F. K. Floyd. 2,437,639, Mar. 9.
- Electrical measuring instrument. W. E. Pfeffer. 2,446,431, Aug. 3.
- Electrical measuring instrument. D. A. Young, L. J. Lunas, and B. E. Lenehan. 2,438,027, Mar. 16.
- Electrical method and apparatus for injecting or propelling increments of fuel or other fluids. A. G. Bodine, Jr. 2,436,090, Feb. 17.
- Electrical micrometer gauge. H. T. Rights and H. Toomim. 2,445,455, July 20.
- Electrical motor. H. D. Brailsford. 2,457,637, Dec. 28.
- Electrical network for phase shifters. S. W. Seeley. 2,442,097, May 25.
- Electrical networks for phase shifters. S. W. Seeley. 2,450,616, Oct. 5.
- Electrical outlet box. H. C. Keating. 2,439,090, Apr. 6.
- Electrical outlet box mounting. H. C. Keating. 2,439,091, Apr. 6.
- Electrical outlet construction. R. E. Wilson. 2,437,579, Mar. 9.
- Electrical plug. A. M. Williams. 2,448,339, Aug. 31.
- Electrical plug and socket connections. F. T. Shaw. 2,445,927, July 27.
- Electrical plug and socket connector with retractable contacts. H. J. Modrey. 2,444,843, July 6.
- Electrical precipitator. H. A. Wintermute. 2,443,780, June 22.
- Electrical probe. L. Kalom. 2,437,697, Mar. 16.
- Electrical pulsating drive. M. N. Yardeny and C. Prindle. 2,440,228, Apr. 20.
- Electrical ratio meter circuit. K. J. Knudsen. 2,452,244, Oct. 26.
- Electrical receptacle. B. C. Webster. 2,447,676, Aug. 24.
- Electrical rectifier. L. K. Hedding. 2,437,322, Mar. 9.
- Electrical regulating apparatus. A. H. B. Walker. 2,442,737, June 1.
- Electrical regulating system. R. R. Lobosco. 2,445,789, July 27.
- Electrical resistor. C. F. Alban. 2,448,757, Sept. 7.
- Electrical safety device. L. E. Robey. 2,439,634, Apr. 13.
- Electrical servo system. A. V. Bedford. 2,437,313, Mar. 9.
- Electrical scriber. J. E. Hammers. 2,446,650, Aug. 10.
- Electrical signaling device, Audible and visual. E. Weissman. 2,439,766, Apr. 13.
- Electrical signaling system. W. H. P. Poullart. 2,444,065, June 29.
- Electrical socket. L. T. Jansen. 2,443,706, June 22.
- Electrical socket. L. A. McNabb. 2,443,743, June 22.
- Electrical socket. B. K. Naster. 2,436,661, Feb. 24.
- Electrical socket. C. L. Paulus and R. K. Stout. 2,440,288, Apr. 27.
- Electrical socket and adapter. A. Morris. 2,448,725, Sept. 7.
- Electrical soldering device with attachment. U. N. Hensley. 2,436,887, Mar. 2.
- Electrical sound translating device. L. B. Cornwell. 2,444,336, June 29.
- Electrical space discharge devices, Operating. L. K. Marshall. 2,439,816, Apr. 20.
- Electrical spark gap. R. W. Lamphere. 2,449,397, Sept. 14.
- Electrical sterilizer or the like. G. G. Ellner. 2,443,446, June 15.
- Electrical strain measuring apparatus. C. M. Hathaway. 2,445,880, July 27.
- Electrical swing joint. D. M. Phillips. 2,452,144, Oct. 26.
- Electrical switch. S. M. I. de Olariaga and P. Forster. 2,447,320, Aug. 17.
- Electrical switch. C. A. Fox. 2,439,164, Apr. 6.
- Electrical switch. C. A. Fox. 2,442,593, June 1.
- Electrical switch. O. Froland. 2,434,315, Jan. 13.

- Electrical switch. J. A. Kavanagh. 2,453,231, Nov. 9.
 Electrical switch. L. M. Puster. 2,444,329, July 6.
 Electrical switch. L. C. Zehnpenning. 2,447,452-3, Aug. 17.
 Electrical switch device for lamp sockets. W. Kaufman. 2,446,768, Aug. 10.
 Electrical switchgear. W. F. Skeats. 2,445,588, July 20.
 Electrical synchronizing control system. H. Whalley and G. Shand. 2,444,796, July 6.
 Electrical system. W. P. Boothroyd. 2,454,128, Nov. 16.
 Electrical system. T. A. O. Gross. 2,448,028, Aug. 31.
 Electrical system for gauging a dimension by the width of a spark gap. H. S. Bishop. 2,454,763, Nov. 30.
 Electrical tensioning control system. A. W. Schmitz. 2,437,973, Mar. 16.
 Electrical terminal connector. A. G. Rosa. 2,447,874, Aug. 24.
 Electrical test circuit. R. J. Teetsell. 2,452,614, Nov. 2.
 Electrical test clip. C. C. Wright. 2,436,280, Feb. 17.
 Electrical testing apparatus or the like, Interlocking. I. W. Folk. 2,440,505, Apr. 27.
 Electrical testing device. F. W. Clayden. 2,449,057, Sept. 14.
 Electrical therapeutic device. F. J. Hart. 2,438,605, Mar. 30.
 Electrical transformer and primary winding thereof. C. F. Frey. 2,445,169, July 13.
 Electrical translating materials and devices and making them. J. A. Becker. 2,438,892, Apr. 6.
 Electrical translating materials and devices and making them. W. H. Brattain. 2,438,110, Mar. 23.
 Electrical treatment apparatus and control. F. Offner. 2,438,875, Mar. 30.
 Electrical units, such as Commutators, Making. G. A. Giannuzzi and K. J. Miller. 2,438,046, Mar. 16.
 Electrical wall outlet. M. S. Adler. 2,437,802, Mar. 16.
 Electrically actuated valve. C. I. Hall. 2,435,076, Jan. 27.
 Electrically conducting adhesive. N. H. Collings and R. J. H. Beverton. 2,444,034, June 29.
 Electrically controlled switch. O. I. Price. 2,455,947, Dec. 14.
 Electrically energized visible unit. C. M. Brainard. 2,441,749, May 18.
 Electrically heated tool. Z. Kalfen. 2,448,182, Aug. 31.
 Electrically heated tool. F. Kuhn and L. H. Thomas. 2,437,747, Mar. 16.
 Electrically heating material, Method and apparatus for. R. K. Hopkins. 2,446,929, Aug. 10.
 Electrically indicating liquid filled manometer. H. A. Brown and H. Gollob. 2,439,770, Apr. 13.
 Electrically operated calculating apparatus for converting numbers from binary to decimal form. G. C. Hartley, J. R. Gould, and L. B. Haigh. 2,444,042, June 29.
 Electrically operated generator. H. B. Jaynes. 2,455,494, Dec. 7.
 Electrically semiconducting coatings, Producing. B. Stålhane. 2,446,617, Aug. 10.
 Electrified conveyor. F. C. Harris. 2,443,387, June 15.
 Electrified crane conveyor. R. T. Moore. 2,436,590, Feb. 24.
 Electroacoustical transducer. E. E. Turner, Jr. 2,437,282, Mar. 9.
 Electrocardiograph. A. J. Kizaur. 2,438,341, Mar. 23.
 Electrocardiograph. P. Traugott. 2,439,640, Apr. 13.
 Electrochemical salvaging method. A. J. Fusco and J. L. Bleiweis. 2,435,714, Feb. 10.
 Electrocutation chamber for animals. J. P. Medlin. 2,441,499, May 11.
 Electrode. R. Cortese. 2,441,260, May 11.
 Electrode. E. F. Lowry, A. L. Peacock, and W. E. Leyshon. 2,446,157, July 27.
 Electrode. A. T. Stenstrom. 2,445,808, July 27.
 Electrode adapter. W. E. Wilson. 2,444,793, July 6.
 Electrode and envelope structure for electric discharge devices, Improved. J. E. Beggs. 2,455,851, Dec. 7.
 Electrode and holder, Resistance welding. R. C. Barkeley. 2,434,343, Jan. 13.
 Electrode and making same. J. B. Brennan. 2,446,524, Aug. 10.
 Electrode assembly for moisture meters. A. L. Smith. 2,437,134, Mar. 2.
 Electrode assembly for primary cells, Detachable. P. A. Garrity. 2,441,481, May 11.
 Electrode, Automatic welding. J. M. Sawhill and J. E. Skinner. 2,435,800, Feb. 10.
 Electrode, Coated welding. F. E. Browne. 2,435,198, Feb. 3.
 Electrode contact. E. W. Forstrom. 2,452,917, Nov. 2.
 Electrode control. R. L. Hinds. 2,457,675, Dec. 28.
 Electrode coordinator, Electro encephalograph. M. A. Buffington. 2,439,559, Apr. 13.
 Electrode extension. H. L. Phillips. 2,445,363, July 20.
 Electrode for discharge devices. W. P. Zabel. 2,441,863, May 18.
 Electrode for electron discharge devices, Grid. R. Gluntz. 2,447,501, Aug. 24.
 Electrode for gaseous discharge devices. S. C. Miller. 2,443,633, June 22.
 Electrode for metal heating, Cooled. R. K. Hopkins. 2,441,416, May 11.
 Electrode for vacuum discharge apparatus. L. L. Winter. 2,456,099, Dec. 14.
 Electrode holder. W. F. Baker and I. J. Pickering. 2,447,307, Aug. 17.
 Electrode holder. H. Beauregard. 2,455,108, Nov. 30.
 Electrode holder. C. Camilleri. 2,438,840, Mar. 30.
 Electrode holder. T. S. Donnelly. 2,449,370, Sept. 14.
 Electrode holder. J. D. Forney. 2,438,279, Mar. 23.
 Electrode holder. C. Laskey. 2,443,043, June 8.
 Electrode holder. D. Lloyd. 2,443,467, June 15.
 Electrode holder. H. J. Wagner. 2,453,648, Nov. 9.
 Electrode holder. R. A. Welch. 2,442,029, May 25.
 Electrode holder. A. R. Wynn. 2,457,193, Dec. 28.
 Electrode holder and contact means. C. G. H. Hallett. 2,442,409, June 1.
 Electrode mounting structure for electron tubes. D. F. Drieschman. 2,446,269, Aug. 3.
 Electrode, Ph-responsive glass. G. A. Perley. 2,444,845, July 6.
 Electrode, Platinum sheet. A. E. zu Eltz. 2,434,731, Jan. 20.
 Electrode, Refrigerated. C. L. Schebler, F. Douglas, and L. A. Clasquin. 2,448,396, Aug. 31.
 Electrode spacer for electron discharge tubes. G. Schmidt. 2,437,972, Mar. 16.
 Electrode spacer material and resultant article and electrode, Making. C. W. Homan. 2,443,618, June 22.
 Electrode structure. D. E. Elmendorf. 2,453,978, Nov. 16.
 Electrode structure for electron discharge tubes. E. K. Smith. 2,456,540, Dec. 14.
 Electrode structure for electrical gaseous discharge tubes. P. W. Stutsman. 2,444,962, July 13.
 Electrode structure for gaseous discharge devices. V. L. Holdaway. 2,451,556, Oct. 19.
 Electrode structure for multigridded electron discharge tubes. J. L. H. Jonker. 2,444,740, July 6.
 Electrode support for electron discharge devices, Flexible. R. Wood. 2,444,082, June 29.
 Electrode support in television tubes. P. K. Weimer. 2,452,620, Nov. 2.
 Electrode system. P. A. W. M. Slegers. 2,449,420, Sept. 14.
 Electrode system. E. C. Thomson. 2,450,459, Oct. 5.
 Electrode system, Blocking-layer. W. C. van Geel. 2,456,758, Dec. 21.
 Electrodes for arc lights. R. W. Hickman. 2,457,042, Dec. 21.
 Electrodes, Welding. W. Andrews. 2,456,609, Dec. 21.
 Electrodeposition composition and bath. R. A. Hoffman. 2,457,152, Dec. 28.
 Electrodeposition copper and baths and compositions therefor. J. E. Stareck. 2,437,865, Mar. 16.
 Electrodeposition of aluminum. F. H. Hurley. 2,446,331, Aug. 3.
 Electrodeposition of aluminum. T. P. Wier, Jr. 2,446,350, Aug. 3.
 Electrodeposition of aluminum. T. P. Wier, Jr., and F. H. Hurley. 2,446,349, Aug. 3.
 Electrodeposition of copper. H. Brown. 2,455,554, Dec. 7.
 Electrodeposition of nickel. L. N. Smith. 2,449,422, Sept. 14.
 Electrodeposition of nickel from an acid bath. H. Brown. 2,455,555, Dec. 7.
 Electrodynamical loudspeaker. F. Massa. 2,445,276, July 13.
 Electrolyte for primary cells comprising lithium bromide. H. E. Lawson. 2,445,306, July 13.
 Electrolyte purification in manganese electrowinning. W. L. Hammerquist. 2,445,826, July 27.
 Electrolytic apparatus for using bagasse to make paper pulp. H. L. Horn. 2,446,418, Aug. 3.
 Electrolytic concentration indicator. H. Lehde. 2,446,015, July 27.
 Electrolytic condenser. J. Burnham. 2,444,725, July 6.
 Electrolytic device and making same. J. B. Brennan. 2,444,914, July 13.
 Electrolytic manganese, Production of. D. Vedensky. 2,446,313, Aug. 3.
 Electrolytic method for the production of porous, catalytic metal. M. M. Marisic and T. F. Rutledge. 2,453,668, Nov. 9.
 Electrolytic oxidation of quinoline acid to quinolinic acid. J. B. Conn and J. van de Kamp. 2,453,701, Nov. 16.
 Electrolytic polishing of stainless steel. A. L. Feld. 2,442,591-2, June 1.
 Electrolytic recording. H. G. Greig. 2,451,331, Oct. 12.
 Electrolytic stripping and determination of plating metal. G. H. Bendix. 2,455,726, Dec. 7.
 Electrolytically zinc plating magnesium and magnesium base alloys. H. Osborg. 2,437,612, Mar. 9.
 Electromagnet. A. A. Ambrose. 2,438,985, Apr. 6.
 Electromagnet. O. I. Price. 2,453,158, Nov. 9.
 Electromagnet having snap action, Differential. H. M. Ogle. 2,436,224, Feb. 17.
 Electromagnet positioning device. H. W. Kelly. 2,447,343, Aug. 17.
 Electromagnet with armature. J. D. Burke and F. A. Crooks. 2,436,354, Feb. 17.
 Electromagnet with armature, Shockproof. E. H. Ayers and A. G. Elmendorf. 2,434,096, Jan. 6.
 Electromagnet with armature, Shockproof. P. J. Reifschneider. 2,451,239, Oct. 12.
 Electromagnet with pivotally mounted armature. L. H. Matthias. 2,455,690, Dec. 7.
 Electromagnet with plunger. E. R. Boynton and W. T. Rauch. 2,435,817, Feb. 10.

- Electromagnetic actuator. H. E. Carnagua. 2,445,561, July 20.
- Electromagnetic and thermal circuit breaker, Combined. W. E. Stilwell, Jr. 2,439,402, Apr. 13.
- Electromagnetic apparatus. K. H. Fox. 2,438,745, Mar. 30.
- Electromagnetic circuit. G. D. Craig, II. 2,454,634, Nov. 23.
- Electromagnetic clock winding mechanism. S. W. Bramley. 2,442,395, June 1.
- Electromagnetic controller. A. M. Cohen. 2,451,810, Oct. 19.
- Electromagnetic counting device. J. I. Bellamy. 2,441,001, May 4.
- Electromagnetic deflecting yoke and circuit. R. B. Gethmann. 2,443,032, June 8.
- Electromagnetic device. O. L. Taylor. 2,434,601, Jan. 13.
- Electromagnetic device, Time element. L. S. Wall. 2,457,617, Dec. 28.
- Electromagnetic device with armature. L. C. Biggle. 2,440,888, May 4.
- Electromagnetic gauge. A. G. and D. B. Ladrach. 2,438,506, Mar. 30.
- Electromagnetic lock-opening system. T. J. Woolmer, Jr. 2,445,376, July 20.
- Electromagnetic mechanism. A. V. Alvino. 2,447,890, Aug. 24.
- Electromagnetic motor. L. B. Harrington. 2,442,203, May 25.
- Electromagnetic operator. W. A. Ray. 2,437,893, Mar. 16.
- Electromagnetic pulsator valve. H. B. Reynolds. 2,434,586, Jan. 13.
- Electromagnetic relay. O. L. Taylor. 2,436,339, Feb. 17.
- Electromagnetic relay, Hermetically sealed. W. C. Hasselhorn. 2,444,193, June 29.
- Electromagnetic surgical probing instrument. L. O. Wing, Sr. 2,436,538, Feb. 24.
- Electromagnetic switch. J. F. Dries. 2,444,157, June 29.
- Electromagnetic switch. B. Hinks. 2,454,451, Nov. 23.
- Electromagnetic switch. W. E. Stilwell, Jr. 2,450,924, Oct. 12.
- Electromagnetic switching system aided by space-discharge device. M. E. Bivens. 2,441,789, May 18.
- Electromagnetic system. A. V. Nichol. 2,452,388, Oct. 26.
- Electromagnetic timing relay. T. F. Rosing and E. W. Seeger. 2,437,756, Mar. 16.
- Electromagnetic vibration motor. F. B. Söderström. 2,434,337, Jan. 13.
- Electromagnetic wave direction indicator. R. Hardy. 2,440,268, Apr. 27.
- Electromagnetic wave direction responsive apparatus. R. Hardy. 2,445,779, July 27.
- Electromagnetic wave guide. E. T. Jaynes. 2,441,574, May 18.
- Electromagnetic wave obstacle detection system. H. G. Busignies. 2,444,031, June 29.
- Electromagnetically controlled switch. H. J. Hammerly. 2,449,221, Sept. 14.
- Electromagnetically operated timing mechanism. W. H. H. Kelk and D. O. Burns. 2,442,497, June 1.
- Electromechanical transducer. W. P. Mason. 2,438,936, Apr. 6.
- Electrometer vacuum tube. A. L. M. A. Ruoy. 2,446,553-4, Aug. 10.
- Electromotor. E. E. Gregory. 2,439,248, Apr. 6.
- Electron beam centering system. H. W. G. Salinger and A. T. Mayle, Jr. 2,440,490, Apr. 27.
- Electron beam discharge device system with resonant electrode. E. G. Linder. Re. 22,974, Feb. 10.
- Electron beam focusing circuit. P. F. G. Holst. 2,447,804, Aug. 24.
- Electron control tube. B. C. Gardner. 2,442,848, June 8.
- Electron diffraction patterns of fusible specimens, Making. J. H. Reisner and R. G. Picard. 2,444,368, June 29.
- Electron diffraction spectra, Method and apparatus for producing. G. L. Simard and C. R. Stryker. 2,457,092, Dec. 21.
- Electron diffraction system and method. N. R. Davidson. 2,453,412, Nov. 9.
- Electron discharge apparatus. A. M. Skellett. 2,437,274, Mar. 9.
- Electron discharge apparatus. D. L. Snow. 2,438,132, Mar. 23.
- Electron discharge compass system. H. E. Hartig. 2,441,269, May 11.
- Electron discharge device. H. G. Anderson. 2,439,786, Apr. 20.
- Electron discharge device. M. Arditi. 2,434,895, Jan. 27.
- Electron discharge device. P. J. Cade. 2,444,915, July 13.
- Electron discharge device. P. G. Chevigny and G. J. Lehmann. 2,438,899, Apr. 6.
- Electron discharge device. P. P. Derby. 2,446,531, Aug. 10.
- Electron discharge device. L. G. Hector, G. W. Baker, and P. A. Muto. 2,441,224, May 11.
- Electron discharge device. D. B. Langmuir. 2,439,173, Apr. 6.
- Electron discharge device. V. L. Roncl. 2,442,378, June 1.
- Electron discharge device and associated circuit. B. J. Mayo. 2,445,404, July 20.
- Electron discharge device and associated circuit. R. P. Stone. 2,445,237, July 13.
- Electron discharge device employing cavity resonator apparatus. C. A. Rosencrans. 2,451,240, Oct. 12.
- Electron discharge device employing cavity resonators. A. V. Haefl. 2,440,089, Apr. 20.
- Electron discharge device having an electron beam passage and aligning means therewith for the cathode. P. M. Dickerson. 2,451,813, Oct. 19.
- Electron-discharge device, Multielement. P. L. Spencer. 2,455,957, Dec. 14.
- Electron discharge device of the cavity resonator type. T. H. Kinman and L. J. Davies. 2,443,463, June 15.
- Electron discharge device of the cavity resonator type. E. Rostas. 2,434,962, Jan. 27.
- Electron discharge device of the magnetron type. J. S. Donal, Jr., B. B. Brown, and C. L. Cuccia. 2,440,851, May 4.
- Electron discharge device of the magnetron type. P. L. Spencer. 2,437,280, Mar. 9.
- Electron discharge device of the magnetron type. L. A. Williams. 2,444,080, June 29.
- Electron discharge device of the velocity modulation type. J. H. Fremlin and C. Strachey. 2,445,771, July 27.
- Electron discharge device trigger circuit. W. A. Miller. 2,445,448, July 20.
- Electron discharge device utilizing cavity resonators. S. T. Martin, Jr. 2,445,447, July 20.
- Electron discharge device utilizing cavity resonators. L. S. Nergaard, D. G. Burnside, and L. Pensak. 2,445,077, July 13.
- Electron discharge device utilizing cavity resonators. A. F. Pearce and N. C. Barford. 2,444,749, July 6.
- Electron discharge devices, Regeneration of. J. Stivln. 2,452,401, Oct. 26.
- Electron discharge tube. M. A. Acheson and P. Haas. 2,443,528, June 15.
- Electron discharge tube. P. Haas. 2,443,535, June 15.
- Electron discharge tube. P. W. Stutsman. 2,448,559, Sept. 7.
- Electron discharge tube. N. Warmoltz. 2,447,781, Aug. 24.
- Electron discharge tube with partially coated grid. E. G. Dorgelo. 2,437,941, Mar. 16.
- Electron emitter. Z. J. Atlee. 2,452,626, Nov. 2.
- Electron gun for cathode-ray tubes. R. O'Larte and G. Vollet. 2,436,264, Feb. 17.
- Electron gun for mass spectrometers. N. D. Coggeshall and N. F. Kerr. 2,457,530, Dec. 28.
- Electron gun mounting. S. V. Forgue. 2,441,315, May 11.
- Electron lens system. O. E. H. Klemperer. 2,441,769, May 18.
- Electron microscopes, Assembly for. F. E. Runge. 2,445,243, July 13.
- Electron microspectroscope. L. Marton. 2,447,260, Aug. 17.
- Electron objective lens, Compound. J. Hillier. 2,438,971, Apr. 6.
- Electron off and on relay tube. J. H. Homrighous. 2,442,565, June 1.
- Electron optical system. D. Gabor. 2,452,919, Nov. 2.
- Electron optical system and method. J. Hillier. 2,443,107, June 8.
- Electron tube. R. H. Chamberlin. 2,444,281, June 29.
- Electron tube. W. W. Eitel and J. A. McCullough. 2,446,270, Aug. 3.
- Electron tube. H. E. Sorg. 2,447,719, Aug. 24.
- Electron tube cathode. P. D. Williams. 2,438,732, Mar. 30.
- Electron tube grid structure. W. W. Eitel. 2,446,271, Aug. 3.
- Electron tube impulse generator. R. E. Mumma and L. D. Kilheffer. 2,447,661, Aug. 24.
- Electron tube of the toroidal type. I. M. Kane. 2,436,649, Feb. 24.
- Electron tube structure. E. D. McArthur. 2,446,379, Aug. 3.
- Electron tube with external anode. A. K. Wing, Jr. 2,444,482, July 6.
- Electron velocity sorting discharge device. P. L. Hartman. 2,435,586, Feb. 10.
- Electronic amplifier control circuit. L. P. Petruschell. 2,441,840, May 18.
- Electronic apparatus. V. O. Beam. 2,448,504, Aug. 31.
- Electronic apparatus for spectrographic analysis. J. Geffner and E. R. Millen. 2,446,874, Aug. 10.
- Electronic audio switch. W. D. Houghton. 2,440,049, Apr. 20.
- Electronic brake control apparatus. C. M. Hines. 2,435,310, Feb. 3.
- Electronic burner control apparatus. J. M. Wilson. 2,445,051, July 13.
- Electronic circuit. D. S. Pensyl. 2,443,195, June 15.
- Electronic computer. L. E. Flory. 2,445,215, July 13.
- Electronic computer for transforming polar into rectilinear coordinates. J. A. Rajchman. 2,436,178, Feb. 17.
- Electronic computing device. G. A. Morton and L. E. Flory. 2,446,945, Aug. 10.
- Electronic control apparatus. J. J. Turin and R. Hanna. 2,436,762, Feb. 24.
- Electronic control circuit. S. G. Isserstedt. 2,444,568, July 6.

- Electronic control circuit. E. H. Vedder. 2,434,603, Jan. 13.
- Electronic control circuit. G. A. Waldie. 2,449,797, Sept. 21.
- Electronic control circuits. W. J. Field. 2,443,347, June 15.
- Electronic control system, Reactor operated. K. P. Puchowski. 2,445,454, July 20.
- Electronic converter. B. D. Bedford. 2,435,187, Feb. 3.
- Electronic converter. J. L. Boyer. 2,442,257, May 25.
- Electronic converter control circuit. J. L. Boyer. 2,442,263, May 25.
- Electronic counter device. E. G. Downie. 2,436,637, Feb. 24.
- Electronic counting chain with decimal indicators. I. E. Grosdoff. 2,436,963, Mar. 2.
- Electronic device. D. V. Edwards. 2,443,100, June 8.
- Electronic device. H. E. Okress. 2,454,337, Nov. 23.
- Electronic device circuit. G. B. Jacobs and O. I. Steigerwalt. 2,438,396, Mar. 23.
- Electronic device having a metal collar and discal ring supporting an electrode from a resonator. A. J. Furst, J. J. Aakjer, and P. M. Dickerson. 2,454,313, Nov. 23.
- Electronic device, Vapor filled. J. J. Mason. 2,438,179, Mar. 23.
- Electronic discharge device. A. F. Short. 2,444,068, June 29.
- Electronic discharge tubes and circuits therefor. J. Kruthof and L. A. B. Cabes. 2,445,782, July 27.
- Electronic epilator. H. E. St. Pierre. 2,444,173, June 29.
- Electronic frequency changer. J. L. Boyer and C. G. Hagensick. 2,442,261, May 25.
- Electronic goniometer for radio direction finders. J. H. Newitt. 2,450,014, Sept. 28.
- Electronic high-voltage regulator. G. W. Cook. 2,452,037, Oct. 26.
- Electronic locking circuit. A. E. Canfora. 2,441,006, May 4.
- Electronic modulation and modulation correction circuits. J. W. Rieke and R. J. Shank. 2,438,947, Apr. 6.
- Electronic motor control circuits. G. A. Waldie. 2,437,140, Mar. 2.
- Electronic motor control system. F. O. Wisman. 2,440,132, Apr. 20.
- Electronic relay arrangement. N. R. Davis. 2,448,422, Aug. 31.
- Electronic saw-tooth pulse generator. G. C. Sziklai. 2,456,764, Dec. 21.
- Electronic saw-tooth wave generator. F. J. Bias and H. W. Lord. 2,457,522, Dec. 28.
- Electronic sequence timer. J. J. Neff. 2,443,398, June 15.
- Electronic squaring circuit. F. B. Berger and W. A. Higinbotham. 2,441,387, May 11.
- Electronic steam generator. G. W. Watson. 2,451,594, Oct. 19.
- Electronic switching and computing device. L. E. Flory and G. A. Morton. 2,442,403, June 1.
- Electronic system for differentiating voltage waveforms. W. A. Higinbotham. 2,436,891, Mar. 2.
- Electronic system for measuring microwave transmission through a waveguide. L. E. Norton. 2,451,769, Oct. 19.
- Electronic timer. W. E. Large and W. R. Morton. 2,443,660, June 22.
- Electronic timer. J. W. Lauricella. 2,444,210, June 29.
- Electronic timer control for inflatable boots on aircraft. W. B. Pond and F. J. Hart. 2,444,209, June 29.
- Electronic timing apparatus. M. Morrison. 2,436,725, Feb. 24.
- Electronic trigger circuit. W. A. Miller and E. R. Shenk. 2,436,482, Feb. 24.
- Electronic tube. M. Orlove. 2,443,324, June 15.
- Electronic tube. M. Parco. 2,443,511, June 15.
- Electronic tube. H. A. Zahl, G. F. Rouse, and J. E. Gorham. 2,454,298, Nov. 23.
- Electronic tube socket, hermetically sealed. C. N. Keller. 2,444,048, June 29.
- Electronic tuning control. W. W. Hansen and R. H. Varian. 2,439,387, Apr. 13.
- Electronic vehicle control apparatus. C. M. Hines. 2,438,394, Mar. 23.
- Electronickel. Producing modified. L. S. Renzoni. 2,453,757, Nov. 16.
- Electrooptical device. M. Cawein. 2,440,735, May 4.
- Electrooptical indicating apparatus. R. J. Shank. 2,444,407, June 29.
- Electrooptical system, Nonlinear. N. R. Gunderson. 2,454,871, Nov. 30.
- Electrophoresis coating of electron tube parts. E. J. Schneider. 2,442,863-4, June 8.
- Electrophoretic separating apparatus. W. F. Van Loenen. 2,448,848, Sept. 7.
- Electrophysiotherapeutic apparatus. R. H. Maxson. 2,448,540, Sept. 7.
- Electrophysiotherapeutic apparatus. R. H. Maxson. 2,448,541, Sept. 7.
- Electroplating. G. W. Jernstedt. 2,451,340-1, Oct. 12.
- Electroplating apparatus. W. L. Grube. 2,456,185, Dec. 14.
- Electroplating apparatus. R. H. Olsen. 2,447,270, Aug. 17.
- Electroplating apparatus. D. G. Van Ornum. 2,457,510, Dec. 28.
- Electroplating machine. N. K. House. 2,451,676, Oct. 19.
- Electroplating method and electrolyte. A. E. Chester. 2,443,600, June 22.
- Electroplating method employing pulsating current of adjustable wave form. A. E. Chester. 2,443,599, June 22.
- Electroplating on tungsten. J. J. Cannizzaro. 2,443,651, June 22.
- Electroplating rack. L. E. Schroeder. 2,439,190, Apr. 6.
- Electropneumatic tachometer. R. A. Buerschaper. 2,443,891, June 22.
- Electropolishing nickel and nickel-containing alloys, Continuous. C. L. Faust and P. D. Miller. 2,440,715, May 4.
- Electro-servo system. J. W. Conklin. 2,455,979, Dec. 14.
- Electrostatic coating apparatus. E. M. Ransburg. 2,444,144, June 29.
- Electrostatic coating method and apparatus. H. P. Ransburg. 2,442,986, June 8.
- Electrostatic dust-precipitator. E. H. R. Pegg. 2,443,662, June 22.
- Electrostatic microwave measuring system. L. E. Norton. 2,442,614, June 1.
- Electrostatically separating particles having different electrical properties, Method and apparatus for. T. J. Masse. 2,445,229, July 13.
- Electrosurgical resecting instrument. F. J. Wallace. 2,442,966, June 8.
- Electrotherapeutic apparatus. F. Myers. 2,447,269, Aug. 17.
- Electrotherapeutic appliance. A. Handfield. 2,444,098, June 29.
- Electrotherapeutical apparatus. H. W. Joy. 2,452,854, Nov. 2.
- Electrothermal deposition apparatus. W. K. Kearsley. 2,438,561, Mar. 30.
- Electrowinning manganese, Method of. H. R. Hanley and J. H. Jacobs. 2,439,805, Apr. 20.
- Element for closure frames, Trim. O. B. Merrill. 2,434,504, Jan. 13.
- Elevating mechanism for food containers, Shelf. J. R. Bailey. 2,455,154, Nov. 30.
- Elevating mechanism for loading shovels or the like. J. D. Coldwell and F. Benyon. 2,441,310, May 11.
- Elevating mechanism for snowplows. R. B. Bourne and J. P. Tyskewicz. 2,440,166, Apr. 20.
- Elevating platform truck. F. M. Reynolds and D. R. Conrad. 2,445,004, July 13.
- Elevator for loading trucks, Portable. J. R. Clark. 2,454,860, Nov. 30.
- Elevator for trucks, Side gate. W. W. Wohlforth. 2,456,805, Dec. 21.
- Elevator stop, Long or short line assembly. W. J. Swatzell. 2,455,279, Nov. 30.
- Elevator switch. F. Petruccio. 2,438,094, Mar. 16.
- Elevator, Well pipe. C. A. Lundeen. 2,449,559, Sept. 21.
- Elevators for tractors, Front end. S. S. Moore. 2,434,002, Jan. 6.
- Eliminating stain from color-yielding elements by treatment with aromatic aldehydes containing an acyl group. A. B. Jennings. 2,440,954, May 4.
- Eliminator. N. V. Goss. 2,440,855, May 4.
- Eliminator, Air. B. Spieth. 2,434,596, Jan. 13.
- Eliminator, Flash steam. C. C. Carson. 2,449,055, Sept. 14.
- Eliminator for high altitude oxygen apparatus, Inert gas. D. S. Martin, Jr., N. D. Nachtrieb, and J. E. Seegmiller. 2,456,606, Dec. 14.
- Eliminator for seismic recording systems, Interference. R. P. Gilmore. 2,456,401, Dec. 14.
- Eliminator, Smoke and soot. R. F. Williams. 2,457,292, Dec. 28.
- Ellipsograph. K. B. Noble. 2,452,484, Oct. 26.
- Elongated metal stock while under tension, Method and apparatus for contouring. C. J. Bath. 2,444,719, July 6.
- Embalmer's protector. E. R. Moore. 2,450,247, Sept. 28.
- Embalming. T. C. Brogan, Jr. 2,456,108, Dec. 14.
- Embalming appliance. A. V. Cullen. 2,437,381, Mar. 9.
- Embroidery machine. B. G. Fortuna and E. Helliker. 2,454,379, Nov. 23.
- Emergency pump. G. M. Holley, Jr. 2,440,371, Apr. 27.
- Emergency telephone call and circuit therefor. J. Palumbo. 2,453,032, Nov. 2.
- Emergency tire carrier. R. E. Folden. 2,437,811, Mar. 16.
- Emergency wheel. D. E. Bennett. 2,447,225, Aug. 17.
- Emergency wheel. A. C. Howell, Jr. 2,454,923, Nov. 30.
- Emergency wheel and antiskid device, Combination. O. Schlett. 2,452,688, Nov. 2.
- Empty bobbins, Collecting. W. C. Gibson, Jr. 2,443,855, June 22.
- Emulsification of coal tar pitch. J. A. Montgomerie, P. K. Archibald, and L. C. Bradshaw. 2,443,322, June 15.
- Emulsified food fats of improved keeping qualities. F. H. Penn. 2,444,307, June 29.
- Emulsion adapted for coating textiles. F. G. La Piana and H. S. Bosland. 2,453,752, Nov. 16.
- Emulsion containing nitraniline sulfonic acids, Photographic. B. H. Carroll. 2,450,747, Oct. 5.
- Emulsion copolymerization of vinylfurane and styrene. W. Bock. 2,442,283, May 25.
- Emulsion-polymerization of butadiene-1,3 hydrocarbons. C. D. McCleary. 2,457,701, Dec. 28.

- Emulsion polymerization of methyl methacrylate. B. W. Howk and F. L. Johnston. 2,450,000, Sept. 28.
- Emulsion polymerization of 2-chloro-1,3-butadiene in the presence of tetraalkyl-diamino-diphenyl-methanes. R. S. Barrows. 2,456,243, Dec. 14.
- Emulsion polymerization process. E. Arundale. 2,434,536, Jan. 13.
- Emulsion, Wax. L. M. Prince, Jr. 2,441,842, May 18.
- Emulsions, Bituminous. S. M. Hjelte. 2,434,243, Jan. 13.
- Emulsions, Breaking. D. C. Bond and M. Savoy. 2,457,634, Dec. 28.
- Emulsions, Breaking water-in-oil. R. A. Salathiel. 2,443,273, June 15.
- Emulsions containing a drying oil-ester resin copolymer. W. H. Butler. 2,437,293, Mar. 9.
- Emulsions containing trinuclear iminol cyanine dyes, Photographic. A. W. Anish. 2,450,390, Sept. 28.
- Emulsions, Resolving oil-in-water. L. T. Monson, W. W. Anderson, and F. W. Jenkins. Re. 22,963, Jan. 13.
- Emulsions sensitized with salts of metals of group VIII of the periodic arrangement of the elements, Photographic. W. F. Smith and A. P. H. Trivelli. 2,448,060, Aug. 31.
- Emulsions, Stabilized silver halide. F. W. H. Mueller. 2,438,716, Mar. 30.
- Enamel composition. C. J. Bartholomew. 2,454,123, Nov. 16.
- Enamel, Superopaque. H. D. Prior. 2,436,825, Mar. 2.
- Enameling. J. C. Eckel and H. E. Romine. 2,455,331, Nov. 30.
- Encasing assembly. E. J. Zelt. 2,457,023, Dec. 21.
- Enclosed electroplating tank. C. Schiffl. 2,439,491, Apr. 13.
- Enclosed spaces, Venting. J. R. Frel. 2,442,489, June 1.
- End brush and making. J. B. Benyak. 2,449,158, Sept. 14.
- End buffer for railway cars and locomotives, Resilient. J. W. Marsh. 2,434,943, Jan. 27.
- End gate. C. F. Blair. 2,440,733, May 4.
- Endgate and feeding and spreading device for use on dump trucks, Combination. R. C. Wester. 2,442,743, June 1.
- Endgate for railway cars, Drop. J. S. Swann. 2,452,163, Oct. 26.
- End-loaded piezoelectric unit. H. M. Bach. 2,437,660, Mar. 9.
- End structure for powder cans. R. Nyden and H. K. Dickerman. 2,442,959, June 8.
- End throw type bar action for typewriting machines. C. W. Brumhill and A. Pafeman. 2,437,804, Mar. 16.
- Endless track tool. F. J. Jakoubek and W. E. Gahl. 2,440,512, Apr. 27.
- Energy dissipating antivibration device. L. F. Thiry. 2,457,749, Dec. 28.
- Engine: *See*—
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| Combined internal-combustion and turbine engine. | Opposed cylinder two-cycle engine. |
| Crankcase compression two-cycle engine. | Rotary engine. |
| Diesel engine. | Sleeve valve engine. |
| Free piston engine. | Sleeve valve internal-combustion engine. |
| Heat engine. | Supercharging and scavenging internal-combustion engine. |
| Internal-combustion engine. | Turbine engine. |
| Internal-combustion engine (turbine type). | |
- Engine. E. Ginn and K. M. Cloud. 2,442,924, June 8.
- Engine and compressor, Rotary intersecting vane. T. G. Nyborg. 2,448,233, Aug. 31.
- Engine and lubricating system therefor, Internal-combustion. N. Rakos. 2,447,277, Aug. 17.
- Engine and making parts thereof. A. G. Herreshoff and A. R. Houk. 2,436,043, Feb. 17.
- Engine and pump unit. J. N. MacKendrick. 2,442,468, June 1.
- Engine attachment. W. E. Leibing. 2,443,465, June 15.
- Engine bearing construction. R. M. Heintz and J. W. Frazier. 2,448,369, Aug. 31.
- Engine braking apparatus. W. A. Hill. 2,440,336, Apr. 27.
- Engine conditioning control apparatus for starting, stopping, and reversing. R. R. Stevens. 2,444,273, June 29.
- Engine construction. L. W. Beaven. 2,455,647, Dec. 7.
- Engine construction. C. N. Guerasimoff. 2,443,502, June 15.
- Engine control. H. A. Alexanderson. 2,453,650, Nov. 9.
- Engine control. J. F. Taplin. 2,434,182, Jan. 6.
- Engine control for free-piston units. A. Kalitinsky. 2,453,516, Nov. 9.
- Engine control mechanism. J. W. Rhodes. 2,443,084, June 8.
- Engine control, Supercharged. E. B. Meripol. 2,437,546, Mar. 9.
- Engine controller. J. Dolza, D. P. Croissant, A. W. Gaubatz, and P. W. Perish. 2,451,204, Oct. 12.
- Engine controller. C. H. Jorgensen and W. H. Taylor. 2,451,205, Oct. 12.
- Engine cooling, cylinder and jacket construction. J. B. Fisher. 2,442,540, June 1.
- Engine cooling, cylinder, jacket, and head construction. C. F. Pervier. 2,457,717, Dec. 28.
- Engine cooling liquid heater. C. M. Kimberlin. 2,440,610, Apr. 27.
- Engine cooling means. A. L. Highberg. 2,454,696, Nov. 23.
- Engine cooling system. P. E. Mercier. 2,439,898, Apr. 20.
- Engine cooling system, Internal-combustion. W. W. Muir. 2,447,592, Aug. 24.
- Engine cooling system temperature control. M. Mallory. 2,445,684, July 20.
- Engine cylinder. R. B. Kleinfeld. 2,447,508, Aug. 24.
- Engine cylinder fin and baffle construction. A. P. Colburn. 2,444,220, June 29.
- Engine drive. J. D. Bell. 2,440,674, May 4.
- Engine drive. J. D. Bell. 2,445,902, July 27.
- Engine driven pump. R. Delzer. 2,454,188, Nov. 16.
- Engine-driven shaft governing apparatus. E. E. Hewitt and C. M. Hines. 2,444,254, June 29.
- Engine fuel supply means. T. Pedersen. 2,438,251, Mar. 23.
- Engine, fuse distribution control, Two-cycle crankcase compression. J. W. Smith. 2,442,217, May 25.
- Engine governor. M. Mallory. 2,437,883, Mar. 16.
- Engine head lifting tool. A. R. Cheek. 2,456,917, Dec. 21.
- Engine ignition and power testing apparatus. R. L. Sexton. 2,445,245, July 13.
- Engine mounting for adjustable conveyors. S. A. Mulkey and R. Furlong. 2,444,521, July 6.
- Engine mountings, Forming. R. A. Kropp. 2,438,884, Mar. 30.
- Engine nacelle construction. J. S. Johnson. 2,438,806, Mar. 30.
- Engine of the reaction type, Rotary gas. G. C. Cooke. 2,439,717, Apr. 13.
- Engine of the rotary abutment type, Rotary internal-combustion. F. Berry. 2,447,608, Aug. 24.
- Engine operated hot-air heater with engine demounting means. J. H. Leslie, II, and G. A. Crosby. 2,451,623, Oct. 19.
- Engine starter. J. E. Buxton. 2,446,458, Aug. 3.
- Engine starter. K. F. Douglas. 2,445,609, July 20.
- Engine starter and generator means. S. Gilbert. 2,453,215, Nov. 9.
- Engine starter clutch. C. A. Balton. 2,448,291, Aug. 31.
- Engine starter drive. D. L. Miller. 2,441,772, May 18.
- Engine starter gearing. V. E. Gleasman. 2,450,129, Sept. 28.
- Engine starting apparatus. G. Clyde and K. F. Dailey. 2,446,691, Aug. 10.
- Engine starting device. H. E. Throsel. 2,448,844, Sept. 7.
- Engine starting gearing. J. E. Buxton. 2,453,657, Nov. 9.
- Engine starting mechanism. R. M. Nardone. 2,437,400, Mar. 9.
- Engine test system. G. E. Cassidy. 2,440,076, Apr. 20.
- Engine throttle control. R. H. Hieger. 2,446,329, Aug. 3.
- Engine transmission, Double. W. F. Wilson. 2,451,598, Oct. 19.
- Engine unit. H. Goldberg, S. Z. Siwek, A. R. Long, and W. J. Carter. 2,446,919, Aug. 10.
- Engine with compressor cylinder and internal-combustion cylinder, Free-piston. H. Steiner. 2,435,330, Feb. 3.
- Engine with synchronised free opposed pistons. R. P. Pescara. 2,442,470, June 1.
- Engines and the like, Beating. A. G. Stewart. 2,455,622, Dec. 7.
- Engraving apparatus. C. V. Lundeen. 2,438,818, Mar. 30.
- Engraving machine. L. Bentzman. 2,445,903, July 27.
- Engraving machine. A. L. Woody. 2,449,097, Sept. 14.
- Enhancing the yield of vitamins in fermentations. H. L. Pollard, N. E. Rodgers, and R. E. Meade. 2,449,140, Sept. 14.
- Enol acetates of alpha-diketones, Preparing. H. J. Hagemeyer, Jr. 2,450,754, Oct. 5.
- Enol-thioethers of ketosteroids and preparing the same. L. Dorfman and S. Bernstein. 2,451,434, Oct. 12.
- Entrapping condensation. A. O. Ackerman. 2,456,238, Dec. 14.
- Envelope and electrode structure for electric discharge devices. K. C. De Walt. 2,443,444, June 15.
- Envelope and letter sheet, Combined. S. M. Menocal. 2,451,233, Oct. 12.
- Envelope for photographic printing, Vacuum. C. F. Amering. 2,436,085, Feb. 17.
- Envelope for winding elements. F. J. Sigmund and W. S. Havin. 2,435,241, Feb. 3.
- Envelope, Sifter. M. R. Fields. 2,442,646, June 1.
- Envelopes to billfolds, Attaching transparent. L. L. Sherwood. 2,451,122, Oct. 12.
- Enzymes from aqueous solutions and product obtained thereby, Recovery of. J. S. Wallerstein and R. T. Alba. 2,452,000, Oct. 19.
- Epimerizing calcium d-arabonate. L. H. Sternbach. 2,438,881, Mar. 30.
- Equalized tension dual blade saw apparatus. F. C. Menking. 2,443,050, June 8.
- Equalizer, Brake. M. D. Stewart. 2,443,331, June 15.
- Equalizer for cable operated controls. W. H. D. Brouse. 2,445,997, July 27.
- Equalizer for platen presses or the like. J. M. W. Grant. 2,446,823, Aug. 10.
- Equalizing spring suspension for tandem axle vehicles. F. A. Jones. 2,446,877, Aug. 10.
- Equation computer, Polynomial. J. M. Anderson. 2,444,549, July 6.
- Equation solver, Electronic. G. W. Brown and E. A. Goldberg. 2,454,549, Nov. 23.
- Equilibrated inertia switch. D. C. Wiseley. 2,433,968, Jan. 6.

- Equipment, Dust separator. E. F. Schoder. 2,456,329, Dec. 14.
- Equipment for attaching price tags to greeting cards. N. S. Nageotte. 2,449,614, Sept. 21.
- Equipment for aviators, Training. R. L. West. 2,450,261, Sept. 28.
- Equipment for carrying out polarographic analysis. F. L. Steghart and D. C. Gall. 2,438,583, Mar. 30.
- Eraser holder. W. Edwards. 2,439,162, Apr. 6.
- Eraser holding mechanism. M. E. Savoie. 2,452,795, Nov. 2.
- Eraser, Pencil. C. F. Norlin. 2,454,399, Nov. 23.
- Eraser with magnetic supporting means. R. M. Williams. 2,434,973, Jan. 27.
- Erasing tool. J. A. Paasche. 2,441,441, May 11.
- Erecting device for gyroscopes. R. J. Dolude. 2,434,488, Jan. 13.
- Erector system. S. Bousky. 2,445,384, July 20.
- Erector system for gyroscopes. S. A. McClellan. 2,435,090, Jan. 27.
- Erosion in fluidized catalytic cracking of hydrocarbons, Preventing. W. K. Lewis. 2,440,591, Apr. 27.
- Error indication, Directionally sensitive firing. A. E. S. Green. 2,448,587, Sept. 7.
- Error reduction device, Conical scanning. P. R. Stout and W. J. Tull. 2,449,517, Sept. 14.
- Erythral phosphor. J. H. Gisolf, F. A. Kröger, and J. Bakker. 2,450,548, Oct. 5.
- Erythral phosphor. W. A. Roberts. 2,447,210, Aug. 17.
- Erythritol, Production of. F. J. Soday. 2,437,277, Mar. 9.
- Escharotic solution for dehorning calves. J. E. Guthrie. 2,450,953, Oct. 12.
- Essence containing packages for brewing beverages, Manufacturing and filling of. L. Hirschhorn. 2,447,754, Aug. 24.
- Ester-acetals of polypentaerythritols. R. H. Barth. 2,446,257, Aug. 3.
- Ester silver halide emulsion, Sensitized photographic cellulose. W. G. Lowe and R. G. Tarkington. 2,448,534, Sept. 7.
- Esterification. J. H. Bruun and J. H. Perrine. 2,443,093, June 8.
- Esters. M. E. Cupery. 2,448,520, Sept. 7.
- Esters of alcohol nontertiary amines. F. J. Cahn. 2,449,926, Sept. 21.
- Esters of alpha beta unsaturated carboxylic acids, Preparation of. T. L. Gresham and F. W. Shaver. 2,449,995, Sept. 28.
- Esters of benzenedicarboxylic acids and their polymers, Unsaturated. H. C. Miller. 2,456,210, Dec. 14.
- Esters of benzoic acid, Substituted. S. M. McElvain and T. P. Carney. 2,439,818, Apr. 20.
- Esters of cellulose, Preparation of mixed saturated-unsaturated. G. W. Seymour, B. B. White, and E. Barabash. 2,453,275, Nov. 9.
- Esters of diacyl-glycerophosphoric acids. W. G. Rose. 2,447,715, Aug. 24.
- Esters of dimerized 9,11-linolo-diricnolein and making same, Polycarboxy. M. De Groote. 2,450,332, Sept. 28.
- Esters of glycols, Manufacture of mixed. A. J. Daly and W. G. Lowe. 2,454,274, Nov. 23.
- Esters of hydroxy carboxylic acids, Manufacture of. E. M. Filachione and C. H. Fisher. 2,447,693, Aug. 24.
- Esters of oxalic acid, Sulfurized. D. T. Rogers and J. G. McNab. 2,447,619, Aug. 24.
- Esters of p-di(omega-hydroxyalkoxy) benzenes. E. O. Ramler. 2,456,318, Dec. 14.
- Esters of perfluoroadipic acid. E. T. McBee and P. A. Wiseman. 2,453,147, Nov. 9.
- Esters of polyhydric alcohols, Mixed. R. H. Barth and H. Burrell. 2,441,555, May 18.
- Esters of polyhydroxy compounds, Manufacture of mixed. A. J. Daly and W. G. Lowe. 2,454,275, Nov. 23.
- Esters of polyoxyalkylene diols. H. R. Fife and W. J. Toussaint. 2,457,139, Dec. 28.
- Esters of riboflavin and preparation of same, Water-soluble. A. M. Moos and S. D. Upham. 2,449,003, Sept. 7.
- Esters of substituted adipic acid and their production, Unsaturated. H. D. Finch. 2,448,259, Aug. 31.
- Esters, Polyhydric alcohol. M. De Groote and A. F. Wirtel. 2,450,124, Sept. 28.
- Esters, Polyhydric alcohol. M. De Groote and A. F. Wirtel. 2,450,333, Sept. 28.
- Esters, Preparation of. R. W. Strassburg. 2,446,114, July 27.
- Esters, Preparing. W. E. Grigsby. 2,442,451, June 15.
- Esters, Producing lower alkyl. R. G. and R. J. King. 2,447,186, Aug. 17.
- Esters, Recovery of water-soluble cellulose. R. M. Creamer. 2,448,082, Aug. 31.
- Esters, Sulfolanlyl. R. C. Morris and E. C. Shokal. 2,451,299, Oct. 12.
- Esters, Unsaturated. F. Strain. 2,441,298, May 11.
- Estrogenic substances. R. C. Tallman and A. H. Stuart. 2,455,535, Dec. 7.
- Ethanol, Chlorination of. O. W. Cass. 2,443,183, June 15.
- Ether acetals, Preparation of. W. J. Croxall and H. T. Neher. 2,448,660, Sept. 7.
- Ether ester, Preparation of. R. E. Brooks. 2,449,447, Sept. 14.
- Ether-esters of organic hydroxy diphenyl acetic acid and manufacture of same. A. L. Morrison and M. Königstein. 2,437,035, Mar. 2.
- Ether esters, Preparation of. W. F. Gresham. 2,449,471, Sept. 14.
- Ethers and dyeing of fabrics therewith, Dyed cellulose. W. B. Carroll, Jr. 2,448,515, Sept. 7.
- Ethers from polyfluoro acrylonitriles and monohydric alcohols. D. W. Chaney. 2,443,024, June 8.
- Ethers, Manufacture of. H. M. Guinot and J. Gardais. 2,443,906, June 22.
- Ethers of 5-hydroxy, 3-methyl, penta-3-en-yne-1. N. A. Milas. 2,455,261, Nov. 30.
- Ethers of 1-methylolcyclohexyl-cyclohexyl-carbinol. J. M. Bludworth and D. P. Easter. 2,450,498, Oct. 5.
- Ethers of 1-(3,4-dihydroxy-cyclohexyl)-1,2-dihydroxybutanone. J. E. Bludworth and D. P. Easter. 2,446,570, Aug. 10.
- Ethers of phenols, Manufacture of. D. Tyrer. 2,445,500, July 20.
- Ethers of vitamin A. N. A. Milas. 2,452,386, Oct. 26.
- Ethers to improve their dissolving properties, Treating cellulose. L. Lillenfeld. 2,447,756-7, Aug. 24.
- Ethylbenzene by basic anion exchange agents, Stabilization of chlorinated. H. G. Hornbacher and W. C. Bauman. 2,435,887, Feb. 10.
- Ethyl benzene from xylenes, Separation of. F. E. Salt. 2,447,479, Aug. 17.
- Ethyl cellulose composition. H. G. Figdor. 2,453,214, Nov. 9.
- Ethyl chloride, Making. H. W. Hill and E. L. Dance. 2,453,691, Nov. 16.
- Ethylene dichloride, Production of. A. S. Ramage. 2,441,287, May 11.
- Ethylene glycoltetrachlorophthalate resins, Modified wax-compatible. B. W. Nordlander and W. E. Cass. 2,455,873, Dec. 7.
- Ethylene-polyhaloethylene reaction products. J. R. Roland. 2,438,021, Mar. 16.
- Ethylene polymer compositions. W. B. Happoldt, Jr., and A. Stockfeth. 2,448,799, Sept. 7.
- Ethylene, Polymerization of. L. Schmerling. 2,450,451, Oct. 5.
- Ethylene polymers, Curing. W. L. Alderson, Jr. 2,455,910, Dec. 14.
- Ethylene sulfide reaction products of guanyleurea. L. P. Moore and W. P. Ericks. 2,442,957, June 8.
- Ethylene-vinyl ester copolymer and N-substituted polyamide, Mixture of hydrolyzed. F. W. Hoover. 2,448,978, Sept. 7.
- Ethylhexoic acid, Manufacture of. B. Duval and K. H. W. Tuerck. 2,444,399, June 29.
- Ethylhexoic acid, Manufacture of. B. Duval and K. H. W. Tuerck. 2,455,241, Nov. 30.
- Evaporating and drying apparatus. J. W. Maglaughlin. 2,440,778, May 4.
- Evaporating various materials in vacuums for coating purposes, Thermally. W. L. Morgan and A. R. Weinrich. 2,439,983, Apr. 20.
- Evaporation and concentration of liquids. G. G. Zahm. 2,450,774, Oct. 5.
- Evaporative cooler. B. J. Zapart and R. A. Mack. 2,438,594, Mar. 30.
- Evaporator and boiler, Combined. J. E. Pottharst, Jr. 2,456,732, Dec. 21.
- Evaporator construction. H. E. Wheeler. 2,449,094, Sept. 14.
- Evaporator foam control apparatus. W. B. Leaf. 2,444,454, July 6.
- Evaporator, Open pan. T. M. Myrick. 2,435,153, Jan. 27.
- Evaporator, Refrigerant. R. M. Hall. 2,444,824, July 6.
- Evaporator, Refrigerant. P. Haymond. 2,446,763, Aug. 10.
- Evaporator, Refrigerant. W. L. Morrison. 2,441,833, May 18.
- Evaporator unit. B. C. Johnson. 2,457,561, Dec. 28.
- Eviscerating method and apparatus. R. D. Trelease and C. H. Koonz. 2,448,693, Sept. 7.
- Examining earth substances by means of ultraviolet illumination. W. P. Rand. 2,435,843, Feb. 10.
- Excavating and loading apparatus. F. Garner. 2,438,660, Mar. 30.
- Excavating apparatus. C. A. Erickson. 2,440,501, Apr. 27.
- Excavating machine. C. M. Cameron. 2,452,632, Nov. 2.
- Excavator. E. A. Drott and J. H. Kerber. 2,455,474, Dec. 7.
- Excavator door mounting. W. S. Burdick. 2,434,902, Jan. 27.
- Excess flow valve. C. Fanshier. 2,445,612, July 20.
- Exchanger, Heat. A. J. and I. F. Fausek. 2,456,775, Dec. 21.
- Exchanger, Heat. W. W. Kennedy. 2,439,775, Apr. 13.
- Exchanger, Heat. E. D. Marquette. 2,451,398, Oct. 12.
- Exchanger, Orifice. B. E. Anderson. 2,433,973, Jan. 6.
- Excitation control system for vapor electric devices. J. H. Cox. 2,447,638, Aug. 24.
- Excitation system for alternating current dynamoelectric machines. L. W. Thompson and F. E. Crever. 2,454,582, Nov. 23.
- Excitation system for vapor electric valves. J. L. Boyer and H. A. Rose. 2,441,987, May 25.
- Exerciser. P. A. and P. White. 2,453,771, Nov. 16.
- Exerciser, Eye. S. W. Womack. 2,442,255, May 25.

- Exercising apparatus. P. A. Bailleux. 2,436,987, Mar. 2.
 Exercising device. E. J. Adams. 2,435,864, Feb. 10.
 Exercising device. C. L. Heimbaugh. 2,456,412, Dec. 14.
 Exercising machine. J. D. Bell. 2,455,548, Dec. 7.
 Exercising machine. Polio. M. A. Park. 2,456,017, Dec. 14.
 Exhaust manifold. H. Jacobs. 2,455,493, Dec. 7.
 Exhaust nozzle for rocket motors. F. S. Miller. 2,447,200, Aug. 17.
 Exhaust port for steam locomotives, Supplementary. W. W. Knight. 2,440,373, Apr. 27.
 Exhaust structure for resiliently mounted engines. W. C. Heath and P. A. Pitt. 2,451,285, Oct. 12.
 Exhaust tube arrangement in flat disc press electron discharge devices. H. J. Lemmens, J. L. H. Jonker, and O. L. van Steenis. 2,442,608, June 1.
 Exhibitor having a series of rollers with webs, Changeable. J. Hutchinson. 2,439,932, Apr. 20.
 Exit for transport aircraft, Emergency aircraft. C. A. Bigelow. 2,455,157, Nov. 30.
 Exothermic catalytic reactions. F. W. Scheineman. 2,446,247, Aug. 3.
 Expandable workpiece holder. J. Tuttle. 2,435,480, Feb. 3.
 Expander for loose-leaf note books. W. B. Roberts. 2,453,459, Nov. 9.
 Expander, Four-way hat. C. F. Vlasis. 2,434,184, Jan. 6.
 Expander in apparatus for attaching couplings to hose, Readily detachable. E. H. Hansen. 2,444,601, July 6.
 Expander, Storage battery plate paste. A. L. Hindall. 2,436,299, Feb. 17.
 Expanding cake holder. J. R. Lathan and M. H. Comer. 2,444,780, July 6.
 Expanding die for sizing, curling, and beading metal drums. C. C. Grotnes. 2,435,306, Feb. 3.
 Expanding hydraulic rivets by increments of internal pressure. G. D. Rogers. 2,445,803, July 27.
 Expanding mandrel. M. L. Whitson and H. P. Collette. 2,437,718, Mar. 16.
 Expandible and contractible means for compressing and shaping a yielding pliant mass. E. H. Carruthers. 2,434,607, Jan. 13.
 Expandible connector. W. Mauch. 2,444,360, June 29.
 Expandible fish hook. F. P. Athans. 2,449,045, Sept. 14.
 Expansion coupling. G. J. Thompson, G. L. Koester, Jr., and J. B. Fullman. 2,450,458, Oct. 5.
 Expansion joint. W. Kasten. 2,445,580, July 20.
 Expansion joint. L. C. Paul. 2,434,224, Jan. 6.
 Expansion joint. R. R. Robertson. 2,444,372, June 29.
 Expansion stud and keeper element. C. V. Booth. 2,438,533, Mar. 30.
 Expansion valve. C. R. Anderson. 2,435,731, Feb. 10.
 Exploding armor piercing projectiles, Method of and apparatus for. H. J. Nichols. 2,441,897, May 18.
 Exploration operations, Seismic. T. O. Harkness. 2,449,037, Sept. 7.
 Explosion-proof lamp. J. R. Bell, L. D. Stacy, and I. E. Dischinger, Jr. 2,449,362, Sept. 14.
 Explosion-proof motor. D. M. Berges. 2,454,371, Nov. 23.
 Explosion-proof swivel pipe joint. N. A. Tornblom. 2,436,127, Feb. 17.
 Explosion resistant filter. C. J. Glanzer. 2,443,238, June 15.
 Explosion turbine, Air-cooled. E. W. Braga. 2,436,246, Feb. 17.
 Explosive assemblies, Making. C. H. Carey. 2,448,658, Sept. 7.
 Explosive charges, Manufacture of compact combustible. J. Taylor and J. Whetstone. 2,434,872, Jan. 20.
 Explosive compositions containing water-soluble salts, Gelatine blasting. S. Fordham and J. L. Moilliet. 2,454,643, Nov. 23.
 Explosive, Preparing. G. F. Wright, H. H. Richmond, and D. C. Downing. 2,434,879, Jan. 20.
 Explosive sealing heads for containers. C. J. McDowell. 2,436,364, Feb. 17.
 Explosively actuated tool. R. Temple. 2,455,826, Dec. 7.
 Explosives. D. P. O'Brien. 2,451,864, Oct. 19.
 Explosives, Method and apparatus for reclaiming. C. A. Hoskin. 2,444,045, June 29.
 Extensible antenna support. J. W. Irby. 2,440,689, May 4.
 Extensible connector. H. F. Ebert. 2,445,023, July 13.
 Extensible drill press. J. Alick. 2,434,732, Jan. 20.
 Extensible support. W. W. Jury. 2,440,096, Apr. 20.
 Extension for bag racks, Portable. M. E. Williams. 2,444,236, June 29.
 Extension for tripods. J. Wirgin. 2,447,107, Aug. 17.
 Extension key chain. J. C. Bagnall, Jr. 2,457,195, Dec. 28.
 Extension table. A. M. Ellington. 2,456,821, Dec. 21.
 Extension table. I. Segal. 2,456,999, Dec. 21.
 Extension table. E. Zuckerman. 2,452,979, Nov. 2.
 Extensometer for indicating amount of elongation of strip material. G. H. Rendel and T. F. Reed. 2,447,209, Aug. 17.
 Extensometer for indicating percent elongation. G. H. Rendel. 2,447,208, Aug. 17.
 Extensometer or strain gauge. F. C. Mostertz. 2,452,860, Nov. 2.
 Extreminator, Ant. J. K. Young. 2,440,996, May 4.
 External anode power amplifier and oscillator tube. C. R. Stevens. 2,449,256, Sept. 14.
 Extinguisher and ejector, Cigarette. G. S. Latin. 2,435,687, Feb. 10.
 Extinguisher, Cigarette. O. Lewetsky. 2,445,274, July 13.
 Extracting and purifying bitumen. V. R. Logan. 2,453,633, Nov. 9.
 Extracting diastase. I. W. Tucker and A. K. Balls. 2,457,754, Dec. 28.
 Extracting machine for laundry, Air propelled. C. O. Rasmussen. 2,453,727, Nov. 16.
 Extracting machine, Wire core. E. S. y H. de Saracho. 2,454,010, Nov. 16.
 Extraction and isolation of digitoxin. H. Rosen. 2,449,673, Sept. 21.
 Extraction apparatus, Hydrocarbon. H. R. Davis. 2,451,433, Oct. 12.
 Extraction from vegetable materials. A. C. Beckel, P. A. Belter, and A. K. Smith. 2,445,931, July 27.
 Extraction of a diolefin. N. Menshih. 2,436,149, Feb. 17.
 Extraction of oxygenated organic compounds from aqueous solutions thereof. C. E. Johnson. 2,446,231, Aug. 3.
 Extraction of unsaturated hydrocarbons and selective solvent therefor. M. Souders, Jr., and F. A. French. 2,449,793, Sept. 21.
 Extraction press. H. E. Crosby. 2,436,064, Feb. 17.
 Extraction process. A. McKinnis. 2,441,827, May 18.
 Extractive distillation of butanes and butenes with acetone solvent. J. D. Long. 2,449,610, Sept. 21.
 Extractor: See—
 Fishhook extractor.
 Fruit and vegetable juice Liquefied gas extractor.
 extractor. Package extractor.
 Fruit juice extractor. Weed extractor.
 Hand-operated rotary fruit juice extractor.
 Extractor, Juice. W. L. Plaxco. 2,446,432, Aug. 3.
 Extractors for guns with vertically sliding breech blocks. W. Summerbell. 2,435,247, Feb. 3.
 Extruder. L. J. Fuller. 2,441,222, May 11.
 Extruding apparatus. D. D. Jones. 2,438,974, Apr. 6.
 Extruding apparatus. K. B. Kilborn. 2,444,831, July 6.
 Extruding irregularly shaped carbon rods. E. L. Luaces. 2,455,509, Dec. 7.
 Extruding polytetrafluoroethylene and coating-articles therewith. A. J. Cheney, Jr. 2,456,621, Dec. 21.
 Extrusion apparatus. L. C. Frazier. 2,453,312, Nov. 9.
 Extrusion machine. D. N. Davies. 2,435,426, Feb. 3.
 Extrusion machine for plastic material. N. Lester and W. H. Schwartz. 2,454,661, Nov. 23.
 Extrusion machine for producing power cables. H. Sonnenfeld. 2,452,610, Nov. 2.
 Extrusion method, Thermoplastic. C. E. Slaughter. 2,451,986, Oct. 19.
 Extrusion of artificial filaments, films and the like and apparatus therefor, Melt. H. Dreyfus and W. Pool. 2,437,687, Mar. 16.
 Extrusion of artificial materials, Method and apparatus for the melt. R. W. Moncrieff and W. Pool. 2,437,704, Mar. 16.
 Extrusion of artificial materials, Process and apparatus for the melt. H. Dreyfus. 2,437,685, Mar. 16.
 Extrusion of fused artificial materials. H. Dreyfus. 2,437,686, Mar. 16.
 Extrusion of fused artificial materials, Process and apparatus for the. R. W. Moncrieff. 2,437,703, Mar. 16.
 Extrusion press. A. L. Heston. 2,449,652, Sept. 21.
 Extrusion press. H. Loran. 2,447,129, Aug. 17.
 Eye and swivel base, Combination swivel. L. Haubert. 2,434,318, Jan. 13.
 Eyeglass. E. Froelich. 2,449,694, Sept. 21.
 Eye opening and closing mechanism for dolls. W. N. Wheeler. 2,455,104, Nov. 30.
 Eyepiece adapter. A. G. Moulds and J. N. Bruce. 2,449,564, Sept. 21.
 Eyepiece mounting and guard means therefor. Rotatable microscope. H. N. Ott. 2,453,257, Nov. 9.
 Eyepiece with nonabrasive cap member. H. J. Enter. 2,446,365, Aug. 3.
 Eye protector. E. M. Splaine. 2,435,243, Feb. 3.
 Eye shade. T. H. Chalmers. 2,441,659, May 18.
 Eyeshield. P. Kilham. 2,434,076, Jan. 6.
 Eyeshield. D. E. Kimball. 2,446,048, July 27.
 Eye speculum. S. T. Pulliam. 2,438,465, Mar. 30.
 Eyeletting machine. S. L. Gookin. 2,439,465, Apr. 13.
 Eyeletting machine. C. L. Knott. 2,443,682, June 22.
 Fabric: See—
 Changeable decorative fabric. Imitation fabric.
 Coated fabric. Laminated fabric.
 Fluorescent-dyed cellulose Pile fabric.
 acetate fabric. Textile fabric.
 Warp-knitted fabric.
 Fabric. E. J. Cogovan. 2,456,922, Dec. 21.
 Fabric. F. Kloeckener. 2,450,047, Sept. 28.
 Fabric and articles made therefrom, Ornamental. S. La Fair. 2,453,441, Nov. 9.
 Fabric articles having a design in relief, Manufacture of decorative. F. H. Untiedt. 2,434,527, Jan. 13.
 Fabric building. C. W. Power. 2,440,557, Apr. 27.
 Fabric for handbags, Decorative. R. Jackler and D. H. Goldberg. 2,440,474, Apr. 27.
 Fabric having pick-and-pick pattern effects, Producing. R. Whewell. 2,448,201, Aug. 31.

- Fabric, Making a fire resistant laminated. Z. T. Walter. 2,455,454, Dec. 7.
- Fabric take-up device for knitting machines. H. E. Haehnel. 2,446,875, Aug. 10.
- Fabric, Treating organic. A. L. Ward. 2,441,523, May 11.
- Fabric uppers, Making last-fitting. F. W. Clark. 2,440,393, Apr. 27.
- Fabricated structures, Making. M. Watter. 2,441,858, May 18.
- Fabricating airfoils. M. Watter. 2,451,454, Oct. 12.
- Fabricating tanks. S. B. Settle. 2,439,266, Apr. 6.
- Fabricating track laying vehicle shoes. C. E. Swenson. 2,438,424, Mar. 23.
- Fabrication of polytetrafluoroethylene articles. R. T. Fields. 2,456,262, Dec. 14.
- Fabrication of rectifier cells. C. W. Hewlett. 2,444,255, June 29.
- Fabrics, Illuminated effects upon acetate. G. W. Seymour, G. C. Ward, and R. L. Hunter. 2,435,658, Feb. 10.
- Fabrics, Making. E. J. Cogovan and L. R. Jones. 2,456,923, Dec. 21.
- Fabrics, Manufacturing elastic. T. G. Hawley, Jr., and N. Timenes. 2,434,111, Jan. 6.
- Fabrics, Splicing monofilament. G. A. Spencer. 2,435,467, Feb. 3.
- Fabrics, Textile. R. E. Reed and J. F. Ryan. 2,444,115, June 29.
- Face clutches, Producing. E. Wildhaber. 2,437,902, Mar. 16.
- Face powder and puff container. G. B. Dennis. 2,446,080, July 27.
- Faceting head. L. M. Weir. 2,444,795, July 6.
- Facing, Panel. K. A. Craig and R. J. Auchter. 2,448,357, Aug. 31.
- Facing tool. F. G. and C. L. Livingston. 2,453,848, Nov. 16.
- Facsimile recorder control circuit. B. F. Grib. 2,453,905, Nov. 16.
- Facsimile synchronizing system. W. G. H. Finch. 2,450,649, Oct. 5.
- Factice and sulfurized oils, Manufacture of. K. C. Roberts. 2,450,384, Sept. 28.
- Factor controller, Automatic power. H. E. Thomas. 2,448,843, Sept. 7.
- Fading effects in a facsimile system, Compensating for. A. G. Cooley. 2,446,635, Aug. 10.
- Fairlead for cables, ropes, and the like. E. B. Magee. 2,436,864, Mar. 2.
- Fan and motor device. T. H. Troller. 2,444,966, July 13.
- Fan antenna with tail. A. S. Meier. 2,446,186, Aug. 3.
- Fan, Axial flow. C. O. Bergstrom. 2,435,645, Feb. 10.
- Fan, Axial flow. P. A. Sidell. 2,457,325, Dec. 28.
- Fan blades in opening of rotary valve in two-cycle supercharged engines. D. K. Warner. 2,454,852, Nov. 30.
- Fan, Centrifugal. P. Anderson. 2,450,708, Oct. 5.
- Fan, Centrifugal. H. F. Hagen. 2,441,411, May 11.
- Fan, Constant thrust. D. S. Hersey. 2,455,251, Nov. 30.
- Fan-cooled motor. J. H. Penney. 2,449,502, Sept. 14.
- Fan drive. W. P. Schmitter. 2,441,446, May 11.
- Fan, Engine cooling. G. N. Cole and C. R. Wells. 2,454,037, Nov. 16.
- Fan, Folding. F. H. Klie. 2,435,446, Feb. 3.
- Fan, Folding hand. M. Imperial. 2,449,701, Sept. 21.
- Fan for aircraft engines, Cooling. E. H. Benson. 2,436,087, Feb. 17.
- Fan for suction cleaners. E. A. French. 2,457,142, Dec. 28.
- Fan having auxiliary cutoff. T. A. Walters. 2,452,274, Oct. 26.
- Fan, High-temperature. C. Nygren. 2,441,121, May 4.
- Fan, High-temperature. C. Nygren. 2,457,264-5, Dec. 28.
- Fan, High-temperature. C. Nygren. 2,457,711, Dec. 28.
- Fan housing construction. W. H. De Lancey. 2,456,930, Dec. 21.
- Fan housing construction for oil burners. W. H. DeLancey. 2,446,744, Aug. 10.
- Fan unit, Electric. H. B. Turner. 2,434,130, Jan. 6.
- Fastener. *See—*
- Adjustable fastener.
 - Closure fastener.
 - Cowl fastener.
 - Detachable sash fastener.
 - Door fastener.
 - Elastic snap ring fastener.
 - Electric fence wire fastener.
 - File fastener.
 - Head and socket separable safety fastener.
 - Heating unit fastener.
 - Lock bolt operated door fastener.
 - One-way detachable snap fastener.
 - Rail fastener.
 - Rotary fastener.
 - Rotatable separable fastener.
 - Self-locking separable fastener.
 - Separable fastener.
 - Shiftable rotary operative fastener.
 - Slide fastener.
 - Snap fastener.
 - Stove pipe fastener.
 - Tapped fastener.
 - Window lift and fastener.
- Fastener. F. A. Bertram. 2,443,372, June 15.
- Fastener. K. C. Bugg. 2,440,074, Apr. 20.
- Fastener. E. W. Lehman. 2,435,146, Jan. 27.
- Fastener. E. W. Lehman and E. M. Whalen. 2,440,341, Apr. 27.
- Fastener. W. Shippee. 2,452,331, Oct. 26.
- Fastener. W. and C. C. Shippee. 2,452,330, Oct. 26.
- Fastener. K. A. Swanstrom. 2,451,991, Oct. 19.
- Fastener. P. Van Sittert, M. Kostrubanic, Jr., and E. W. Lehman. 2,454,416, Nov. 23.
- Fastener. K. A. Swanstrom. 2,455,145, Nov. 30.
- Fastener. S. T. Swidersky. 2,454,103, Nov. 16.
- Fastener. H. E. Veit. 2,442,064, May 25.
- Fastener applying tool. H. M. Laing. 2,438,174, Mar. 23.
- Fastener clip. W. H. Churchill. 2,456,553, Dec. 14.
- Fastener construction. T. Freesz. 2,438,044, Mar. 16.
- Fastener construction, Floating cowl. W. H. Churchill. 2,451,808, Oct. 19.
- Fastener for plaster laths, Corner. J. L. Daily. 2,451,811, Oct. 19.
- Fastener for storm windows and the like. R. Redmond. 2,449,750, Sept. 21.
- Fastener for suction cleaning apparatus, Closure. C. H. Taylor. 2,435,640, Feb. 10.
- Fastener for tire chains, End. E. E. Lloyd. 2,442,243, May 25.
- Fastener for tying elements. A. A. Ohler. 2,436,935, Mar. 2.
- Fastener inserting machine. F. B. Keall. 2,437,746, Mar. 16.
- Fastener inserting tool. H. H. Crafton. 2,435,738, Feb. 10.
- Fastener of the anchor boot type, Threaded. C. B. Breedlove. 2,443,066, June 8.
- Fastener stringer and producing the same. L. H. Morin. 2,438,615, Mar. 30.
- Fastener studs, Locking. R. W. Allen. 2,438,028, Mar. 16.
- Fasteners for bags, cases, and other containers. F. S. Smith. 2,440,595, Apr. 27.
- Fasteners, Socket for snap. O. J. Huelster. 2,440,684-5, May 4.
- Fasteners, Stop for slide. A. E. Carlile. 2,441,007, May 4.
- Fastening and holding device for doors, gates, and the like. C. J. Rice. 2,437,403, Mar. 9.
- Fastening apparatus, Explosively actuated. R. Temple. 2,455,825, Dec. 7.
- Fastening construction. L. H. Flora. 2,457,360, Dec. 28.
- Fastening device. E. F. Chandler. 2,442,398, June 1.
- Fastening device. E. C. Crowther. 2,452,437, Oct. 26.
- Fastening device. W. Dzus. 2,443,309, June 15.
- Fastening device. L. H. Flora. 2,434,844, Jan. 20.
- Fastening device. M. L. Gulden. 2,445,525, July 20.
- Fastening device. R. A. Hartman. 2,438,499, Mar. 30.
- Fastening device. R. A. Hartman. 2,451,438, Oct. 12.
- Fastening device. J. R. Hotchkiss. 2,435,079, Jan. 27.
- Fastening device. W. McArthur. 2,448,817, Sept. 7.
- Fastening device. G. A. Tinnerman. 2,435,908, Feb. 10.
- Fastening device. G. A. Tinnerman. 2,438,523, Mar. 30.
- Fastening device. G. A. Tinnerman. 2,443,362, June 15.
- Fastening device. G. A. Tinnerman. 2,443,752, June 22.
- Fastening device. G. A. Tinnerman and L. H. Flora. 2,451,591, Oct. 19.
- Fastening device. G. A. Tinnerman. 2,455,028, Nov. 30.
- Fastening device. L. Vogel. 2,443,335, June 15.
- Fastening device, Adjustable. N. Statham. 2,437,765, Mar. 16.
- Fastening device for cables, wires, or the like. R. A. Hartman. 2,453,980, Nov. 16.
- Fastening device for cover plates. C. A. de Giers. 2,450,330, Sept. 28.
- Fastening device for detachably connecting together two relatively movable parts. H. O. Spiller. 2,446,113, July 27.
- Fastening for attaché cases and the like, Key-locked slidable bolt. C. W. Cheney. 2,444,247, June 29.
- Fastening inserting machine. R. H. Lawson. 2,455,370, Dec. 7.
- Fastening means. D. W. Ingalls. 2,441,321, May 11.
- Fastening means. E. Pizzarelli. 2,453,034, Nov. 2.
- Fastening means and combination. S. Hammer. 2,454,695, Nov. 23.
- Fastening means for collector bags. P. Speer. 2,433,930, Jan. 6.
- Fastening means for railway tracks, Spike. R. T. Scholes. 2,450,361, Sept. 28.
- Fastening, Ski. K. Kinzl. 2,441,113, May 4.
- Fat hydrolysis. M. H. Ittner. 2,435,745, Feb. 10.
- Fat splitting. W. K. Griesinger. 2,442,925, June 8.
- Fats and fatty oils, Treating. E. W. Eckey. 2,442,531, June 1.
- Fats and oils, Stabilization of. M. F. Gribbins. 2,457,227, Dec. 28.
- Fats, Fractionation of. J. T. Dickinson, O. Morfit, and L. J. Van Orden. 2,454,638, Nov. 23.
- Fatty material, Stabilization of. J. R. Shipner. 2,457,741, Dec. 28.
- Fatty materials containing oleic acid and higher polyunsaturated fatty acids, Stabilizing. J. Ross. 2,435,159, Jan. 27.
- Fatty materials, Stabilizing. L. O. Buxton and C. E. Dryden. 2,434,790, Jan. 20.
- Fatty materials, Treating. W. R. Eipper. 2,456,691, Dec. 21.
- Fatigue indicator. A. V. de Forest. 2,449,883, Sept. 21.
- Fatigue testing method and machine, Vibration. P. Cor. 2,450,939, Oct. 12.
- Faucet. G. S. Elliott. 2,452,295, Oct. 26.
- Faucet, Beer. L. F. Vetrano. 2,450,315, Sept. 28.

- Faucet valve element. E. H. Bucknell and R. E. Bletcher. 2,452,354, Oct. 26.
- Feather brushes, Molding. J. Nigro. 2,443,430, June 15.
- Featheredge device, Plasterer's. A. J. Schumock. 2,450,385, Sept. 28.
- Feathering of propellers responsive to yaw control, Facilitating the. M. Burcham. 2,449,104, Sept. 14.
- Feed and distributor wheel, Yarn. H. J. McDermott. 2,447,131, Aug. 17.
- Feed, Cigarette machine. C. Arelt. 2,447,457, Aug. 17.
- Feed claw and shutter movement for motion-picture mechanisms. L. O. Thunberg. 2,451,452, Oct. 12.
- Feed composition, Animal. J. Kamlet and R. P. Reece. 2,456,515, Dec. 14.
- Feed control for corn shredders. W. W. P. Stelter. 2,440,835, May 4.
- Feed control, Label. W. J. Bernard. 2,440,458, Apr. 27.
- Feed controller for record engraver carrying carriages. L. Chanal. 2,446,526, Aug. 10.
- Feed for carding machines, Intermediate. W. G. Tucker. 2,451,260, Oct. 12.
- Feed for wrapping machines, Wrapper. W. Hoppe. 2,451,287, Oct. 12.
- Feed for writing machines, Sheet. J. A. Gilbert and P. A. Johnson. 2,451,330, Oct. 12.
- Feed grinding mill of the rotary beater type. G. E. Miller. 2,446,095, July 27.
- Feed means for printing machines, Reciprocable. W. T. Gollwitzer. 2,451,213, Oct. 12.
- Feed mechanism. W. E. Twamley. 2,451,367, Oct. 12.
- Feed mechanism for calculating machines, Front. R. A. Christian. 2,441,870, May 18.
- Feed mechanism for rapid-fire guns. P. H. Dixon. 2,453,876, Nov. 16.
- Feed, Pin-wheel. A. W. Metzner. 2,452,591, Nov. 2.
- Feed projector mechanism, Intermittent strip. J. A. Giroux. 2,434,359, Jan. 13.
- Feed regulator control for labeling machines. J. Soares. 2,435,803, Feb. 10.
- Feed screw for stokers. H. E. Winkler and F. E. Boyer. 2,443,942, June 22.
- Feed tray for duplicating apparatus. A. E. Little and H. Jagger. 2,440,635, Apr. 27.
- Feed unit, Back connection. J. F. O'Brien and E. S. Boynton. 2,451,506, Oct. 19.
- Feed unit for serially-connected wiring units, Simplified. J. F. O'Brien and E. S. Boynton. 2,436,775, Feb. 24.
- Feed valve. R. R. Dupler. 2,455,240, Nov. 30.
- Feed-water heater. J. F. Sebald. 2,457,605, Dec. 28.
- Feeder: See—
 Ant feeder. Poultry feeder.
 Automatic chicken feeder. Soap feeder.
 Baby feeder. Staple feeder.
 Calf feeder. Suction feeder.
 Catalyst feeder. Two-way cattle and hog feeder.
 Container feeder. Welding rod feeder.
 Lehr feeder.
 Poultry and small live-stock feeder.
- Feeder. S. E. Keagle. 2,433,912, Jan. 6.
- Feeder for facsimile telegraph apparatus, Sheet. R. J. Wise, G. H. Ridings, and R. D. Parrott. 2,435,260, Feb. 3.
- Feeder for hay balers. W. A. and M. Stockton. 2,439,152, Apr. 6.
- Feeder for wrapping machines, Strip. O. Sandberg. 2,446,305, Aug. 3.
- Feeder means, Blank. G. A. Anderson. 2,449,044, Sept. 14.
- Feeding and gauging mechanism. R. E. J. Nordquist. 2,436,821, Mar. 2.
- Feeding and presser mechanism for sewing machines. F. F. Zeier. 2,445,297, July 13.
- Feeding and weighing apparatus. L. S. Petersen. 2,447,594, Aug. 24.
- Feeding apparatus, Article. C. O. Blaisdell and T. A. Daniel. 2,446,901, Aug. 10.
- Feeding apparatus for internal-combustion engines, Fuel. C. B. Nash. 2,448,043, Aug. 31.
- Feeding apparatus, Fuel. W. S. Landon. 2,449,237, Sept. 14.
- Feeding attachment, Auxiliary. W. Johnndrew. 2,456,126, Dec. 14.
- Feeding attachment, Button blank. J. A. De Marco. 2,457,534, Dec. 28.
- Feeding device, Cartridge. J. O. Eames. 2,453,977, Nov. 16.
- Feeding device for multiple blade bread slicing machines. C. H. Petskeyes. 2,437,124, Mar. 2.
- Feeding device for shaker conveyers. W. W. Sloane. 2,449,623, Sept. 21.
- Feeding device for slung spangle machines. M. H. Stone. 2,442,220, May 25.
- Feeding device having flexible tubular wall, with compound motion for peripheral discharge. E. E. Lakso. 2,449,395, Sept. 14.
- Feeding device, Material. E. Elddyment. 2,446,752, Aug. 10.
- Feeding device, Strip. B. T. Bickel. 2,451,467, Oct. 19.
- Feeding device, Thread. S. J. Ketterer. 2,449,302, Sept. 14.
- Feeding machine, Oven. R. L. Brosemer. 2,450,111, Sept. 28.
- Feeding mechanism. A. K. Watt and A. B. Hays. 2,455,630, Dec. 7.
- Feeding mechanism, Can end. J. Simpson. 2,453,545, Nov. 9.
- Feeding mechanism for accounting machine carriage platens. O. Thieme. 2,453,282, Nov. 9.
- Feeding mechanism for agricultural machines. A. M. Buehler. 2,454,304, Nov. 23.
- Feeding mechanism for lathes, Stock. J. G. Horrigan. 2,447,180, Aug. 17.
- Feeding mechanism for manifolding machines, Paper and ribbon. R. W. Ritzert. 2,456,734, Dec. 21.
- Feeding mechanism for rocket guns, Shell. C. F. Henney. 2,440,634, Apr. 27.
- Feeding mechanism, Hydraulically operated. H. A. Silven. 2,448,921, Sept. 7.
- Feeding mechanism for shaker conveyers. J. H. Holstein. 2,449,777, Sept. 21.
- Felt articles such as felt boots or footwear, Manufacturing, fulled or hardened. G. H. Beetsen. 2,457,630, Dec. 28.
- Felt hardening machine. A. J. Evers. 2,442,590, June 1.
- Felt hardening machine. W. H. Kingston. 2,438,320, Mar. 23.
- Felting. H. Boeddinghaus. 2,441,390, May 11.
- Felting machine. W. H. Kingston. 2,448,441, Aug. 31.
- Fence charger, Electrical. E. K. Malmé. 2,455,511, Dec. 7.
- Fence, Electric. W. F. Fagen. 2,443,232, June 15.
- Fence insulator, Electric. E. A. Beard. 2,451,530, Oct. 19.
- Fence post driver, Power-operated. C. N. Anderson. 2,456,852, Dec. 21.
- Fence repair tool. W. H. Koch. 2,457,382, Dec. 28.
- Fender construction, Automobile. L. Colaner, Sr. 2,447,898, Aug. 24.
- Fender structure. J. T. Hughes. 2,437,960, Mar. 16.
- Fermentation liquors, Treatment of. H. G. Johnson. 2,443,825, June 22.
- Fermentation method for preparing a vitamin concentrate. H. L. Pollard, N. E. Rodgers, and R. E. Meade. 2,449,143, Sept. 14.
- Fermentation product of α -ketoglutaric acid. L. B. Lockwood and F. H. Stodola. 2,443,919, June 22.
- Fermenting carbohydrates to butanol and acetone. S. C. Beesch. 2,439,791, Apr. 20.
- Fermenting method. B. C. Boeckeler. 2,440,925, May 4.
- Ferrochrome process and product. L. F. Weitzenkorn and G. N. Goller. 2,454,020, Nov. 16.
- Ferrous alloy. N. A. Ziegler. 2,442,944, June 8.
- Ferrous metal supported zinc oxide-bismuth oxide catalyst. V. F. Mistretta. 2,436,970, Mar. 2.
- Ferrule crimping tool. R. C. Swengel. 2,435,562, Feb. 3.
- Fiberboard cream separating milk container. C. E. Dear-dorf. 2,436,140, Feb. 17.
- Fiber containing product, Light-weight. J. R. Parsons. 2,451,446, Oct. 12.
- Fiber, Free fall. I. V. Hitt. 2,455,174, Nov. 30.
- Fiber renovating machine. E. J. Wines. 2,456,905, Dec. 21.
- Fiber treating apparatus. W. P. Leister. 2,446,840, Aug. 10.
- Fibers, Drawing. W. R. Schlehr. 2,453,864, Nov. 16.
- Fibers with vat dye, Dyeing textile. Nicholas R. Vieira. 2,447,993, Aug. 24.
- Fibre reinforced collapsible container. P. Zalkind. 2,435,917, Feb. 10.
- Fibre reinforced collapsible container. P. Zalkind. 2,439,998, Apr. 20.
- Fibro-cementitious sheets, Manufacture of. D. T. Colton. 2,445,210, July 13.
- Fibrous batting, Multilayered. R. F. Hlavaty. 2,454,175, Nov. 16.
- Fibrous material, Method and apparatus for compacting. A. C. Fischer. 2,446,644, Aug. 10.
- Fibrous molding compositions, Preparing. H. Snow and R. H. Hocutt. 2,446,345, Aug. 3.
- Fibrous products. H. Dreyfus, D. Finlayson, and R. G. Perry. 2,434,913, Jan. 27.
- Fibrous products deriving from lignocellulose, Manufacture of. H. E. Walter. 2,454,533, Nov. 23.
- Fiddle. J. R. Beckman. 2,457,629, Dec. 28.
- Field control for transformer torque-meter signal coils. E. C. Capuzzi. 2,447,734, Aug. 24.
- Field intensity meter. A. Ringer. 2,453,160, Nov. 9.
- Fifth wheel assembly. O. A. Logan. 2,450,201, Sept. 28.
- Figure base. L. K. Sandlovich. 2,454,095, Nov. 16.
- Filament and treating the same, Carburized. C. V. Litton. 2,450,007, Sept. 28.
- Filament by-pass condenser. R. M. Page and M. F. Distad. 2,445,256, July 13.
- Filament coiling apparatus. F. B. Iden. 2,439,893, Apr. 20.
- Filament coiling apparatus. J. Petersen. 2,439,904, Apr. 20.
- Filament feeding means, Tension controlled. E. K. Bauer. 2,442,336, June 1.
- Filament forming apparatus. E. B. Isaac and F. J. Rippl. 2,449,653, Sept. 21.
- Filament support. A. K. Wing, Jr. 2,444,483, July 6.
- Filament tension means in electron discharge device. L. C. Werner. 2,434,529, Jan. 13.
- Filamentary material, Conditioning. H. P. Fry, Jr., R. W. Stanley, and H. J. McDermott. 2,447,977, Aug. 24.

- Filaments, Coating. A. O. Ryan. 2,456,650, Dec. 21.
 Filaments, ropes, yarns and the like, Imitation. H. Wurzbarger. 2,434,533, Jan. 13.
 File. A. Anheuser. 2,445,753, July 27.
 File and jointer for spring and swage tooth saws. Side. E. G. Wooley. 2,438,086, Mar. 16.
 File, Billiard cue tip. G. J. Fleschman. 2,448,967, Sept. 7.
 File cutting machine. M. A. Hess. 2,442,852, June 8.
 File fastener. H. D. Snyder. 2,434,083, Jan. 6.
 File, Paper. J. A. Johnson. 2,448,435, Aug. 31.
 File, Special purpose. G. L. Johnson. 2,455,064, Nov. 30.
 Filer, Saw. L. E. Tebo. 2,442,909, June 8.
 Filing cabinet. R. E. Wells. 2,452,512, Oct. 26.
 Fill indicator. W. C. Buttner. 2,440,230, Apr. 20.
 Filler cap support. R. W. Bandy. 2,452,713, Nov. 2.
 Filler, Container. H. Schneir. 2,447,281, Aug. 17.
 Filler, Grease gun. C. Strong. 2,456,751, Dec. 21.
 Filler reinforcing means and guard for mechanical pencils. J. L. Morton. 2,451,765, Oct. 19.
 Filler, Shoe forepart bottom. E. I. Le Chapelle. 2,439,172, Apr. 6.
 Filler, Valve bag. W. R. Peterson. 2,437,172, Mar. 2.
 Filling apparatus for volatile liquids with vapor return conduit. P. M. Elliott. 2,439,887, Apr. 20.
 Filling apparatus, Receptacle. P. Auberaman. 2,440,354, Apr. 27.
 Filling apparatus, Receptacle-movement controlled. G. L. Ardron. 2,455,723, Dec. 7.
 Filling feeler mechanism. J. Rinne and R. G. Mallard. 2,445,695, July 20.
 Filling machine. C. E. Kerr. 2,436,812, Mar. 2.
 Filling of code slots or notches in embossed printing plates or stencils. A. Vang. 2,447,293, Aug. 17.
 Fillers, Joint. T. W. Stricklin. 2,446,251, Aug. 3.
 Film adjustment signal device. W. L. Gould. 2,442,562, June 1.
 Film advancing mechanism, Intermittent. R. P. Shea. 2,457,409, Dec. 28.
 Film clamp. G. E. Husted. 2,433,906, Jan. 6.
 Film comprising aromatic compound, the molecules of which contain planar groupings, Evaporated and deposited birefringent. R. B. Woodward. 2,447,831, Aug. 24.
 Film comprising intimate mixture of minute particles of isophthalic acid and terephthalic acid and method of manufacture, Birefringent solid. E. E. Barr and C. D. West. 2,447,790, Aug. 24.
 Film containing color formers, Developing multilayer. H. W. Morrell, Jr. 2,442,930, June 8.
 Film control for automatic shutter on moving picture projector. L. Mannon. 2,439,691, Apr. 13.
 Film developing apparatus, Self-contained portable. N. W. O'Clair. 2,452,389, Oct. 26.
 Film-developing holder. C. W. Rowland. 2,446,958, Aug. 10.
 Film distillation method, Guided free. S. W. Ferris, E. R. Lamson, and D. M. Smith. 2,447,746, Aug. 24.
 Film drive apparatus. M. E. Collins. 2,442,400, June 1.
 Film driving apparatus. J. A. Haringx. 2,456,702, Dec. 21.
 Film extensibility testing method and apparatus. J. A. Van den Akker. 2,457,788, Dec. 28.
 Film feed mechanism, Intermittent. R. A. Clapp. 2,448,519, Sept. 7.
 Film-forming compositions for oil-proof containers. V. V. Vallandigham. 2,435,701, Feb. 10.
 Film gate. R. H. Larson. 2,438,710, Mar. 30.
 Film guide, Tourist. J. M. Higgins. 2,449,699, Sept. 21.
 Film guiding and retaining mechanism. R. J. Dunlavy. 2,443,950, June 22.
 Film having light-polarizing and nonpolarizing images, Image-carrying. E. H. Land and M. Grabau. 2,440,105, Apr. 20.
 Film having light-polarizing and nonpolarizing images, Image-carrying. T. R. Sterck. 2,440,125, Apr. 20.
 Film holding clip. H. J. Uhlmann. 2,455,627, Dec. 7.
 Film magazine, Photographic. F. H. Owens. 2,455,187, Nov. 30.
 Film, Making wrinkle-free. C. R. Irons and C. E. Sanford. 2,448,433, Aug. 31.
 Film manufacture, Regenerated cellulose. J. B. Nichols. 2,451,768, Oct. 19.
 Film, Nontacky synthetic. C. W. Cooper. 2,456,387, Dec. 14.
 Film of evaporated and deposited isophthalic acid, Birefringent solid. E. R. Blout. 2,447,792, Aug. 24.
 Film registering apparatus. G. F. Rackett. 2,437,361, Mar. 9.
 Film registry means for motion-picture projectors. E. Boecking. 2,437,239, Mar. 9.
 Film retainer. J. E. Huber. 2,438,286, Mar. 23.
 Film, Rubber hydrochloride. H. J. Osterhof. 2,441,328, May 11.
 Film spool, Contractile. E. G. Bader. 2,454,984, Nov. 30.
 Film spool guide ring. R. A. Troidl. 2,453,476, Nov. 9.
 Film spool switch. H. L. Strickland. 2,451,256, Oct. 12.
 Film sprocket clamp. H. N. Fairbanks. 2,455,051, Nov. 30.
 Film tank. W. W. Boes. 2,449,199, Sept. 14.
 Film-type resistor and manufacturing the same. D. W. Moore, Jr. 2,438,250, Mar. 23.
 Film viewer having a magazine for consecutively viewing films. H. Baker. 2,444,971, July 13.
 Film viewing apparatus. F. B. Miller. 2,441,829, May 18.
 Film with emulsion layers adjacent each other and making same, Tripack. J. C. Crawford. 2,435,957, Feb. 17.
 Films, Light polarizing polyvinyl orthoborate. F. K. Signaigo. 2,444,712, July 6.
 Films upon the surfaces of glass plates, Forming. F. W. Adams. 2,439,999, Apr. 20.
 Filter: See—
 Air filter. Infrared radiation filter.
 Balanced wave filter. Mechanical filter.
 Coffee filter. Nasal filter.
 Continuous rotary filter. Porous filter.
 Continuous vacuum filter. Portable filter.
 Corrosion resistant filter. Rotary drum filter.
 Corrugated disk filter. Rotary filter.
 Edge filter. Safelight filter.
 Explosion resistant filter. Sanitary filter.
 Floating filter. Self-cleaning screen or filter.
 Inductively coupled band pass filter. Transversal filter.
 Filter. S. Alsop. 2,435,115, Jan. 27.
 Filter. J. M. Besore. 2,454,030, Nov. 16.
 Filter. S. W. Briggs. 2,454,033, Nov. 16.
 Filter. J. V. Davis and J. S. Hoffman. 2,457,449, Dec. 28.
 Filter. H. Laughlin. 2,452,772, Nov. 2.
 Filter. R. Lepsoe and E. L. Jones. 2,450,865, Oct. 5.
 Filter. J. P. O'Meara. 2,452,486, Oct. 26.
 Filter. T. H. Slater. 2,450,208, Sept. 28.
 Filter. E. C. Walker. 2,452,407, Oct. 26.
 Filter. E. M. Wilson. 2,439,535, Apr. 13.
 Filter and circulator, Electrostatic air. G. W. Crise. 2,455,738, Dec. 7.
 Filter and connection shield, Dual. E. C. Hallett. 2,448,711, Sept. 7.
 Filter and demother. B. A. Baxter. 2,450,368, Sept. 28.
 Filter and manufacture, Optical. E. R. Blout and R. M. Gofstein. 2,440,070, Apr. 20.
 Filter and regulator, Power supply. D. E. Kenyon. 2,456,638, Dec. 21.
 Filter and strainer, Collapsible and adjustable. E. N. Burrows. 2,456,912, Dec. 21.
 Filter element. D. D. Wallace. 2,454,982, Nov. 30.
 Filter element, Cell type. G. D. Burley. 2,457,122, Dec. 28.
 Filter element, Liquid. G. M. Walton. 2,444,147, June 29.
 Filter for coffee dispensers, Metal. E. A. Roney. 2,442,096, May 25.
 Filter for gaseous mediums. C. G. McKeown. 2,453,447, Nov. 9.
 Filter for sediment traps. R. F. Corwin. 2,453,895, Nov. 16.
 Filter heater. W. S. Crane. 2,446,126, July 27.
 Filter leaf support. J. W. Little. 2,434,807, Jan. 20.
 Filter magnet structure. T. E. Brooks. 2,436,740, Feb. 24.
 Filter media, Wash resistant. H. L. Davis and L. R. B. Hervey. 2,437,082, Mar. 2.
 Filter stack, Metal-edge. P. Heftler. 2,436,108, Feb. 17.
 Filtering apparatus. S. B. Row and E. L. Woolley. 2,453,345, Nov. 9.
 Filtering apparatus, Liquid. H. S. Manwaring. 2,456,292, Dec. 14.
 Filtering device. D. D. Demarest. 2,446,364, Aug. 3.
 Filtering device. L. Reichold. 2,454,205, Nov. 16.
 Filtering device for coffee makers. L. Reichold. 2,449,620, Sept. 21.
 Filtering materials, Process of and apparatus for. R. P. Dunmire. 2,442,234, May 25.
 Filtering mechanism, Liquid. C. W. Woods. 2,445,287, July 13.
 Filtering, Method of and apparatus for. F. B. Lomax. 2,455,130, Nov. 30.
 Filtering system. W. C. Bauer. 2,447,680, Aug. 24.
 Filtering system, Selective. E. Labin and D. D. Grieg. 2,434,937, Jan. 27.
 Filters, Making porous metal. F. R. Hensel. 2,450,339, Sept. 28.
 Filtration. W. Kiersted, Jr. 2,449,902, Sept. 21.
 Filtration apparatus. T. R. Camp. Re. 23,009, June 29.
 Filtration apparatus. C. L. Lightfoot, Jr. 2,449,238, Sept. 14.
 Fin construction, Radiator. D. E. Morgan. 2,450,203, Sept. 28.
 Fin structure for internal-combustion engines, Cooling. W. B. Bronander. 2,453,567, Nov. 9.
 Fine adjustment of microscope objective. H. N. Ott. 2,439,525, Apr. 13.
 Finely divided solids, Transferring. V. Voorhees. 2,440,623, Apr. 27.
 Finder, Direction. N. Marchand. 2,448,041, Aug. 31.
 Finding system, Radio position. J. A. Ebelling. 2,455,164, Nov. 30.
 Finger exercising machine, Musical automatic. J. Obuchowski. 2,438,820, Mar. 30.
 Finger ring with key. H. H. Boscowitz. 2,453,190, Nov. 9.
 Finger, Signal staff holding. J. P. Dalton. 2,438,314, Mar. 23.
 Finger-tip control for tractor-trailer air brake systems. T. H. Affleck. 2,451,268, Oct. 12.
 Finger tip moistener for baseball pitchers. M. H. Chapman, Jr. 2,438,037, Mar. 16.
 Finger waving device. L. Hannon. 2,448,263, Aug. 31.
 Finish remover composition. P. E. Marling. 2,437,964, Mar. 16.
 Finish, Wrinkle. W. A. Waldie. 2,443,212, June 15.

- Finisher, Dress. J. E. Fittpold. 2,443,557, June 15.
 Finishing and shrinking textile fabrics, Method and apparatus for. F. R. Redman. 2,440,209, Apr. 20.
 Finishing device. E. I. Harrison. 2,440,856, May 4.
 Finishing machine for ornamental chains. F. Armbrust. 2,454,299, Nov. 23.
 Fined electric air heater. E. R. Walton. 2,455,839, Dec. 7.
 Fined tube. E. S. Lea. 2,440,803, May 4.
 Fined tubing, Method and apparatus for making. R. M. Wallace. 2,442,446, June 1.
 Fire alarm, Portable. R. B. Thornton. 2,446,794, Aug. 10.
 Fire alarm trip mechanism. J. P. Santole. 2,457,499, Dec. 28.
 Fire and water tube boiler. C. F. R. Stallbaum. 2,455,621, Dec. 7.
 Firearm and stock structure therefor. C. H. Howell, Jr. 2,435,217, Feb. 3.
 Firearm magazine. E. M. Harvey. 2,434,269, Jan. 13.
 Firearm receiver. C. H. Barnes. 2,455,644, Dec. 7.
 Firearm, Recoilless. C. W. Musser. 2,444,949, July 13.
 Firearm sight. R. S. Henry. 2,441,968, May 25.
 Fire control instrument. H. C. Ford. 2,437,463, Mar. 9.
 Fire control system, Fixed gun interaircraft. E. B. Hammond, Jr., and G. E. White. 2,433,843, Jan. 6.
 Fire detecting apparatus. V. O. Beam and J. M. Wilson. 2,455,351, Dec. 7.
 Fire door for parts washers, Automatic. E. J. St. Laurence. 2,440,619, Apr. 27.
 Fire escape. F. E. Rose. 2,452,324, Oct. 26.
 Fire escape. E. B. Staley. 2,437,864, Mar. 16.
 Fire extinguisher fluid. M. O. Farris, J. M. O'Connor, and R. B. Gottschalk. 2,446,272, Aug. 3.
 Fire extinguisher. N. J. Thompson. 2,450,569, Oct. 5.
 Fire extinguisher. C. L. Zabriskie. 2,443,549, June 15.
 Fire extinguisher apparatus. P. B. Hammell. 2,441,700, May 18.
 Fire extinguisher, Portable. H. C. Leech and T. A. Henshaw. 2,452,309, Oct. 26.
 Fire extinguishing method. W. A. Beach. 2,452,348, Oct. 26.
 Fire-extinguishing pump. R. Zieschang. 2,439,763, Apr. 13.
 Fire extinguishing waste paper receptacle. D. A. Florence. 2,452,118, Oct. 26.
 Fireguard for motion-picture projectors, Automatic. J. F. Reney. 2,449,716, Sept. 21.
 Fire hazard and safety device for airplanes. N. Lacroette. 2,457,103, Dec. 21.
 Fire-resistant dust collecting composition. C. W. J. Hedberg. 2,443,766, June 22.
 Fire-retardant composition, Amylaceous. G. Jones, W. Juda, and S. Soll. 2,452,055, Oct. 26.
 Fire-retardant composition and process. G. Jones, W. Juda, and S. Soll. 2,452,054, Oct. 26.
 Firetrap for projection machines. A. H. Reynolds. 2,444,370, June 29.
 Firing mechanism. G. B. Davis, Jr., and I. F. Rosenkrantz. 2,444,920, July 13.
 Firing mechanism. E. Garrett. 3,454,790, Nov. 30.
 Firing mechanism. S. Weiss. 2,451,526, Oct. 19.
 Firing mechanism for guns. H. Phillips. 2,440,381, Apr. 27.
 Firing mechanism for guns. E. Zryd. 2,441,787, May 18.
 Firing mechanism for rifles. Y. J. Nyvall and T. O. Chapman. 2,441,029, May 4.
 Firing mechanism, Gun. C. H. Samuel. 2,450,447, Oct. 5.
 Firing mechanism, Rearwardly striking. G. N. Albrece. 2,451,527, Oct. 19.
 Firing metallurgical furnaces. H. G. Elder and J. F. Mowat. 2,434,491, Jan. 13.
 Firing system, Director. E. P. Ross and H. S. Marsh. 2,451,357, Oct. 12.
 Fischer-tropsch synthesis gas from oil shale. A. Clark. 2,452,634, Nov. 2.
 Fish bait, Artificial. E. R. Putnam and F. J. Nefske. 2,450,988, Oct. 12.
 Fish bait, Mechanical. C. D. Mather. 2,444,707, July 6.
 Fish bite signal device. O. K. Nutter. 2,448,681, Sept. 7.
 Fish canning machine, Expandible tunnel. K. E. J. Nordquist. 2,455,944, Dec. 14.
 Fish carrier. J. W. Harvey. 2,455,766, Dec. 7.
 Fish dressing machine. P. Danielsson. 2,437,081, Mar. 2.
 Fish glg. W. Koepke. 2,454,460, Nov. 23.
 Fishhook. H. M. Carlsen and E. F. Nordman. 2,445,601, July 20.
 Fishhook, Bait. H. H. Bakken. 2,441,232, May 11.
 Fishhook extractor. D. R. Bates. 2,447,554, Aug. 24.
 Fishhook holder. A. S. Omohundro. 2,448,728, Sept. 7.
 Fishhook making machine. W. J. De Witt and H. A. Corbett. 2,451,477, Oct. 19.
 Fish hook remover. A. S. Klinicki. 2,455,013, Nov. 30.
 Fish lure. D. B. Balma. 2,455,155, Nov. 30.
 Fish lure. F. M. Bell. 2,439,123, Apr. 6.
 Fish lure. J. I. Bell. 2,437,803, Mar. 16.
 Fish lure. A. F. Fibiger. 2,448,523, Sept. 7.
 Fish lure. I. R. Hubbard. 2,449,700, Sept. 21.
 Fish lure. R. A. Shetka. 2,436,232, Feb. 17.
 Fish lure. A. H. Smith. 2,435,932, Feb. 10.
 Fish lure. G. W. Sullivan. 2,443,124, June 8.
 Fish lure. V. Tusa. 2,443,753, June 22.
 Fish lure. R. L. Watkin. 2,441,302, May 11.
 Fish lure. W. L. Zink. 2,435,993, Feb. 17.
 Fish lure and line retriever. R. E. Waltamath. 2,443,061, June 8.
 Fish net hanger. J. W. Harvey. 2,455,765, Dec. 7.
 Fish scaling clamp. G. M. Gould. 2,435,075, Jan. 27.
 Fish stringer. E. F. Murray and C. E. Hermann. 2,437,331, Mar. 9.
 Fish stringer. A. Sagan. 2,442,472, June 1.
 Fish stringer. M. J. Smigleski. 2,441,450, May 11.
 Fish stringer retainer. K. L. Orton. 2,453,381, Nov. 9.
 Fishing bait holder. A. A. Kollman. 2,436,109, Feb. 17.
 Fishing hook and fly. R. B. Worden. 2,457,428, Dec. 28.
 Fishing line float. L. R. Stahnke and W. H. Lannert. 2,444,791, July 6.
 Fishing lure. J. C. Goldbach. 2,445,523, July 20.
 Fishing lure. W. E. Himottu. 2,439,621, Apr. 13.
 Fishing lure. A. F. Stein. 2,442,866, June 8.
 Fishing pole. T. J. Williams. 2,457,075, Dec. 21.
 Fishing pole holder. H. G. Dolk. 2,438,388, Mar. 23.
 Fishing pole holder. H. C. Kaetker. 2,454,458, Nov. 23.
 Fishing reel. A. Hypnarowski. 2,438,287, Mar. 23.
 Fishing reel. G. J. Sharps. 2,457,323, Dec. 28.
 Fishing reel. M. Tarasuk. 2,442,670, June 1.
 Fishing reel. B. M. Wolfe. 2,446,354, Aug. 3.
 Fishing rod handle. W. E. Moulton. 2,443,567, June 15.
 Fishing rod holder. H. D. Boal. 2,443,762, June 22.
 Fishing rod holder. L. J. Hamman. 2,442,357, June 1.
 Fishing rod holder. P. R. Hart. 2,446,282, Aug. 3.
 Fishing rod holder. S. P. Wagner. 2,448,752, Sept. 7.
 Fishing signaling device. A. Linder. 2,446,427, Aug. 3.
 Fishing tackle. G. C. Clark. 2,439,451, Apr. 13.
 Fishing tackle. B. J. Mattingly. 2,454,879, Nov. 30.
 Fishing tool. C. R. Edwards. 2,436,506, Feb. 24.
 Fitting. W. C. Buttner and S. L. Sundstrom. 2,456,913, Dec. 21.
 Fitting. D. P. Hynes. 2,448,888, Sept. 7.
 Fitting. G. G. Smith. 2,450,170, Sept. 28.
 Fitting and footrest accessories for shoe stores, Shoe. L. Lelyveld. 2,446,601, Aug. 10.
 Fitting, Conduit. H. J. Brushaber. 2,454,767, Nov. 30.
 Fitting device, Saw. T. Stennitt. 2,454,953, Nov. 30.
 Fitting for automobile radiators. F. E. Brady, Jr. 2,453,406, Nov. 9.
 Fitting for connecting pipes by welding. O. Seitz. 2,449,754, Sept. 21.
 Fitting for flexible hose. W. MacWilliam. 2,453,997, Nov. 16.
 Fitting for pipe lines. L. S. Hamer. 2,455,121, Nov. 30.
 Fitting for pipe or hose connections. E. F. Sarver. 2,453,597, Nov. 9.
 Fitting for tanks, Inlet. E. E. Rigby. 2,452,394, Oct. 26.
 Fitting, Grounding. J. R. Pretree. 2,452,491, Oct. 26.
 Fitting, Pipe-line. L. S. Hamer. 2,455,120, Nov. 30.
 Fitting, Plastic tube. G. B. Thayer and R. D. Lowry. 2,439,351, Apr. 6.
 Fitting, Plumbing. C. H. Brady. 2,439,712, Apr. 13.
 Fitting, Pump discharge. R. G. Berry. 2,438,311, Mar. 23.
 Fitting, Tank. M. M. Cunningham. 2,441,009, May 4.
 Fitting, Waste and overflow. P. F. Donahue. 2,444,340, June 29.
 5-benzimidazol derivatives of barbituric acid. G. J. Martin and S. Avakian. 2,448,722, Sept. 7.
 5-hydroxy-1,3,4-triazaindolizines as stabilizers for photographic silver-halide emulsions. N. Heimbach. 2,450,397, Sept. 28.
 5-monoalkyl-barbituric acids, Making. W. Wenner. 2,446,508, Aug. 3.
 5-Nitrotetrahydro-1,3-oxazines and preparing them. M. Senkus. 2,447,822, Aug. 24.
 Five outlet electric plug. R. Aguilar and T. Svalcarl. 2,443,867, June 15.
 Fixing coloring material in textile goods, Steam. J. Wehrli. 2,446,502, Aug. 3.
 Fixture, Angle. E. Hassig. 2,441,413, May 11.
 Fixture, Bar mounting. O. E. Stelzer. 2,451,884, Oct. 19.
 Fixture, Bevel gear holding. B. C. Day and M. H. Arms. 2,443,895, June 22.
 Fixture, Concealed bed lighting. E. J. Greenwald. 2,443,561, June 15.
 Fixture, Display. C. Scheuer. 2,456,737, Dec. 21.
 Fixture, Drapery. W. H. Toelle and F. R. Ulbrich. 2,446,667, Aug. 10.
 Fixture, Electric. M. Sachs. 2,456,997, Dec. 21.
 Fixture, Electric-light. G. B. Benander. 2,457,521, Dec. 27.
 Fixture, Fluorescent lighting. M. H. Kruger. 2,446,425, Aug. 3.
 Fixture for supporting and gauging brush riggings of motors and generators. H. E. Krueger. 2,450,897, Oct. 12.
 Fixture, Form tool. A. J. Daddona. 2,446,128, July 27.
 Fixture, Gear grinding. J. D. Rovick. 2,436,902, Mar. 2.
 Fixture, Grinding. H. F. Bakewell. 2,448,245, Aug. 31.
 Fixture, Illuminating. W. W. Headings. 2,435,715, Feb. 10.
 Fixture, Indexing. L. T. Morawski. 2,441,832, May 18.
 Fixture, Lamp. G. B. Kurtzon. 2,434,781, Jan. 20.
 Fixture, Lamp. O. H. Van Amburg and J. M. Pistey. 2,437,569, Mar. 9.
 Fixture, Lighting. H. L. Goebel. 2,435,678, Feb. 10.
 Fixture, Lighting. E. F. Guth. 2,440,603, Apr. 27.
 Fixture, Lighting. P. H. Irmischer. 2,446,230, Aug. 3.
 Fixture, Lighting. R. G. Nordquist. 2,434,049, Jan. 6.

- Fixture, Lighting. K. Versen. 2,456,903, Dec. 21.
 Fixture, Magnetizing. D. S. Granberry. 2,442,808, June 8.
 Fixture, Micrometer height gage. R. E. Bauer. 2,440,710, May 4.
 Fixture, Paper roll holding. B. Pederson. 2,434,368, Jan. 13.
 Fixture, Radius grinder. J. A. Post. 2,443,325, June 15.
 Fixture, Tool grinding. E. H. Monkley. 2,454,472, Nov. 23.
 Fixture, Universal grinding. H. N. Swenson. 2,434,600, Jan. 13.
 Fixture, Valve stem facing. V. R. Becker. 2,437,927, Mar. 16.
 Fixture, Wall bracket electric light. A. J. D. Ohm. 2,456,792, Dec. 21.
 Fixture, Work holding. A. L. Dery. 2,447,236, Aug. 17.
 Flag for mail boxes. H. C. Baker. 2,447,152, Aug. 17.
 Flag holder and displayer. S. B. Davis. 2,452,842, Nov. 2.
 Flagpole and operating means therefor. R. Ellis. 2,440,500, Apr. 27.
 Flag, Safety signal. C. F. Faber. 2,441,875, May 18.
 Flag, Signal and danger. A. R. Madsen. 2,447,075, Aug. 17.
 Flame-cutting metal plates and forming shaped edges thereon. J. H. Rountree. 2,443,710, June 22.
 Flame electrode control device. J. O. Rosche. 2,448,497, Aug. 31.
 Flame failure control apparatus. J. C. Hamilton. 2,434,924, Jan. 27.
 Flame hardening apparatus. E. A. Furkert. 2,457,654, Dec. 28.
 Flame-heater cathode tube. Q. J. Wick. 2,437,576, Mar. 9.
 Flame proofing compositions. E. W. Leatherman. 2,436,216, Feb. 17.
 Flame resistant composition comprising polyvinyl acetate, plasticizer, and antimony trioxide filler. R. Loveland. 2,443,566, June 15.
 Flame-retarding material and making the same. J. A. Woodruff. 2,454,245, Nov. 16.
 Flame tester. W. F. Wagner. 2,441,117, May 4.
 Flame treatment of substantially cylindrical internal surfaces such as bores. A. E. Shorter. 2,455,447, Dec. 7.
 Flange facing tool. U. K. Gardner. 2,451,729, Oct. 19.
 Flange forming attachment for rivet guns. W. L. V. Bishop. 2,442,556, June 1.
 Flange, Reducing. L. Letterman. 2,446,481, Aug. 3.
 Flanged joint. H. P. Dahlstrand. 2,452,227, Oct. 26.
 Flap for rotating wings, Adjustable. E. A. Stalker. 2,443,808, June 22.
 Flare. G. T. Harkins. 2,441,242, May 11.
 Flare. C. H. Vanderlaan. 2,435,520, Feb. 3.
 Flare and the like Water-borne. C. D., A. J., and C. Schermuly. 2,449,913, Sept. 21.
 Flare, Illuminating. C. D., A. J., and C. Schermuly. 2,448,471, Aug. 31.
 Flare, Illuminating. C. D., A. J., and C. Schermuly. 2,451,121, Oct. 12.
 Flare, smoke, signal, or illuminating. C. D., A. J., and C. Schermuly. 2,445,640, July 20.
 Flare tube ends and to prevent their rupture. Means to. W. L. Linker and J. R. Welshman. 2,438,292, Mar. 23.
 Flaring tubing. J. R. Welshman. 2,437,285, Mar. 9.
 Flash and blast reducer. R. A. Heising. 2,448,593, Sept. 7.
 Flash apparatus, Photographic. I. J. Abend and M. Slepoff. 2,447,832, Aug. 24.
 Flash control system. S. L. Bellinger. 2,442,189, May 25.
 Flash distillation of acetophenone from benzoic acid. W. S. Emerson and V. E. Lucas. 2,453,423, Nov. 9.
 Flash holder. H. H. Harmon. 2,443,163, June 8.
 Flash illuminated striped pattern direct reading stroboscope for wave frequency measurement. E. L. Kent. 2,446,047, July 27.
 Flash reducer. L. A. Skinner. 2,444,957, July 13.
 Flasher. H. R. Gross. 2,434,070, Jan. 6.
 Flasher. H. R. Gross. 2,440,265, Apr. 27.
 Flashing. D. D. Smith. 2,441,676, May 18.
 Flashing. J. D. Stebbins. 2,448,474, Aug. 31.
 Flashing apparatus, Moving picture. E. N. Mollier. 2,454,080, Nov. 16.
 Flashless propellant powder composition. G. Barsky. 2,439,281, Apr. 6.
 Flashlight. H. E. Croft. 2,456,680, Dec. 21.
 Flashlight. E. J. McCabe. 2,435,689, Feb. 10.
 Flashlight. M. E. Montgomery. 2,444,107, June 29.
 Flashlight. D. Szantay. 2,439,496, Apr. 13.
 Flashlight. O. D. Thurnell and J. F. Cannistra. 2,454,895, Nov. 30.
 Flashlight attachment for firearms. D. D. Baliff. 2,447,892, Aug. 24.
 Flashlight attachment for small arms. L. H. Dodge. 2,450,584, Oct. 5.
 Flashlight for boxes. E. T. Bessler and J. A. Orcholl. 2,436,088, Feb. 17.
 Flashlight holder. E. A. Bernstein. 2,437,373, Mar. 9.
 Flashlight holder. J. Schafraneck. 2,434,440, Jan. 13.
 Flashlight lamp. J. H. de Boer. 2,438,993, Apr. 6.
 Flashlight, Mechanical. A. C. Wall. 2,447,296, Aug. 17.
 Flashlight movie projector. K. D. Weavie. 2,445,651, July 20.
 Flashlight suspension. J. T. Powell. 2,441,902, May 18.
 Flashlight switch. W. R. Kopp. 2,443,539, June 15.
 Flask. J. D. Schwartz. 2,450,567, Oct. 5.
 Flask, Dental. N. Opatow. 2,440,910, May 4.
 Flask, Dental. N. Opatow. 2,448,115, Aug. 31.
 Flask heater. A. I. Newman. 2,450,981, Oct. 12.
 Flask, Molder's. A. B. Castagnola. 2,453,893, Nov. 16.
 Flatiron, Electric. E. K. Clark. 2,440,041, Apr. 20.
 Flatiron, Electric. L. H. Snyder. 2,436,943, Mar. 2.
 Flatiron holder bracket. R. E. Perkins. 2,456,987, Dec. 21.
 Flat single bed knitting machine. G. Huber. 2,439,300, Apr. 6.
 Flat top conveyer chain. O. G. Schmidt. 2,440,212, Apr. 20.
 Flattening agent and making same. L. Auer. 2,433,833, Jan. 6.
 Flavor recovery process, Volatile. H. P. Milleville. 2,457,315, Dec. 28.
 Flavoring solutions. C. G. Hartman. 2,435,744, Feb. 10.
 Flavors accessible in nut butters and stabilization thereof. Rendering. F. L. Avera and J. L. Rosefield. 2,447,387, Aug. 17.
 Flaw detector for looms. A. B. Shelton. 2,445,697, July 20.
 Flaws in magnetizable objects, Detecting. G. W. Conn. 2,447,899, Aug. 24.
 Flaws in tubular steel castings, Detecting. E. G. Forssell. 2,435,134, Jan. 27.
 Fleshing machine. S. Tandiorio. 2,445,284, July 13.
 Fleshing tool. A. C. Lamy. 2,455,505, Dec. 7.
 Flexible conduit joint. E. E. Stoeckly. 2,451,252, Oct. 12.
 Flexible connecting rod. F. L. Van Weenen and W. H. Stigter. 2,436,908, Mar. 2.
 Flexible coupling. S. D. Pool. 2,437,891, Mar. 16.
 Flexible coupling. G. Rathman. 2,453,385, Nov. 9.
 Flexible coupling. B. E. Thomas. 2,435,058, Jan. 27.
 Flexible coupling. J. N. Wolfram. 2,452,889, Nov. 2.
 Flexible drive coupling. A. H. Pattison. 2,448,732, Sept. 7.
 Flexible hose, Construction of. C. M. Hamblin. 2,452,047, Oct. 26.
 Flexible joint. B. Kujawski. 2,439,009, Apr. 6.
 Flexible leakproof coupling. J. W. Kehoe. 2,452,057, Oct. 26.
 Flexible pipe coupling. W. S. Drinkwater. 2,437,246, Mar. 9.
 Flexible pocket receptacle. G. Barton. 2,437,587, Mar. 9.
 Flexible pocket receptacle. D. J. Broughton. 2,439,715, Apr. 13.
 Flexible pocket receptacle. D. J. Broughton. 2,453,780, Nov. 16.
 Flexible rotary coupling. J. C. Hickman. 2,453,012, Nov. 2.
 Flexible sheet material comprising a surface coating containing polyvinyl chlorides. J. H. McGill. 2,439,051, Apr. 6.
 Flexible strap, Adjustable. E. and A. Bliss. 2,444,028, June 29.
 Flexible tubing joint. F. M. Allen and R. E. Snyder. 2,451,269, Oct. 12.
 Flexible wave guide for ultra high frequency energy. E. C. Cork. 2,436,421, Feb. 24.
 Flexilizer. W. A. Waldie. 2,437,369, Mar. 9.
 Flight computer. L. W. Imm. 2,448,596, Sept. 7.
 Flight indicator. D. F. Folland and J. Lyman. 2,448,023, Aug. 31.
 Flight of dirigible aerial torpedoes, Method of and apparatus for controlling. C. Chilowsky. 2,451,917, Oct. 19.
 Flight operation indicator. J. Weissenbach. 2,452,621, Nov. 2.
 Flight position and force indicating instrument. A. Z. Bendar. Re. 23,038, Sept. 14.
 Flight training apparatus. B. Hertz. 2,453,436, Nov. 9.
 Flint. A. F. Reilly. 2,444,849, July 6.
 Float, Motor. P. M. Keckley. 2,434,700, Jan. 20.
 Float-operated switch. C. N. Reavis. 2,439,753, Apr. 13.
 Float or the like. S. M. Hodgins. 2,445,268, July 13.
 Float position indicator. D. S. Schover. 2,452,156, Oct. 26.
 Float switch. P. H. Thompson. 2,440,987, May 4.
 Float valve. T. G. Beckett. 2,439,282, Apr. 6.
 Float valve. T. B. Messick. 2,447,591, Aug. 24.
 Float valve. A. Norman. 2,446,549, Aug. 10.
 Float valve. T. Ritchie. 2,439,864, Apr. 20.
 Floating dock and wharf. H. B. Nelson and F. J. Walters. 2,453,155, Nov. 9.
 Floating filter. C. L. Dewey. 2,448,212, Aug. 31.
 Floating mine. M. L. Ifield. 2,452,053, Oct. 26.
 Floating pressure cam. J. E. Shafer. 2,439,268, Apr. 6.
 Floating roof storage tank. H. C. Boardman. 2,439,792, Apr. 20.
 Floating seat. C. Hajduk. 2,435,497, Feb. 3.
 Floating tool holder. A. J. and J. P. Bouthiller. 2,445,509, July 20.
 Floor. P. and U. R. Mitchell. 2,457,086, Dec. 21.
 Floor, Carpeted. A. Bragiel and J. Scott. 2,441,391, May 11.
 Floor clip. O. E. Rothfuchs. 2,439,220, Apr. 6.
 Floor covering. J. R. Jones. 2,455,777, Dec. 7.
 Floor for vehicles, Moving. S. W. Walker. 2,447,220, Aug. 17.
 Floor mat. J. E. Flaker. 2,449,465, Sept. 14.
 Floor sanding machine. F. J. Koenig. 2,435,685, Feb. 10.

- Floor surfacing machine. W. E. Holt. 2,437,958, Mar. 16.
- Floor tile and joist construction. S. Macomber. 2,440,053, Apr. 20.
- Flooring, Rubber. W. E. Campaigne. 2,456,373, Dec. 14.
- Flotation of bone particles. M. D. Sanders. 2,450,398, Sept. 28.
- Flotation of iron with organic acid and petroleum sulfonate. R. B. Booth and E. C. Herkenhoff. 2,439,200, Apr. 6.
- Flour and manufacture thereof, Special. A. Green. 2,441,409, May 11.
- Flour-enriching composition. R. S. Whiteside and P. V. Kolb. 2,444,215, June 29.
- Flour product and the preparation thereof. J. V. Bauer. 2,443,290, June 15.
- Flow control. L. A. Kempton. 2,454,929, Nov. 30.
- Flow control apparatus. W. B. Anderson and H. D. Shaw. 2,442,746, June 8.
- Flow-control device, Liquid fuel. R. W. Johnson. 2,445,069, July 13.
- Flow control device. R. A. Rosenblum. 2,444,677, July 6.
- Flow device. M. T. Works. 2,433,942, Jan. 6.
- Flow device, Intermittent. F. Y. Donaldson. 2,440,006, Apr. 20.
- Flow equalizer, Two-direction. H. G. Terbeek. 2,443,809, June 22.
- Flow measuring device. H. A. Hulsberg. 2,446,283, Aug. 3.
- Flow measuring mechanism. H. Hermann. 2,443,856, June 22.
- Flowmeter. A. F. Allwein. 2,451,425, Oct. 12.
- Flow meter. R. B. Engdahl. 2,439,723, Apr. 13.
- Flow meter. J. C. Keyworth. 2,445,854, July 27.
- Flow-proportioning valve. C. M. Terry. 2,447,920, Aug. 24.
- Flow-ratio meter. M. E. Schramm. 2,439,614, Apr. 13.
- Flow-regulating valve. W. C. Trautman. 2,445,544, July 20.
- Flow regulator. D. P. Shoemaker. 2,454,574, Nov. 23.
- Flower construction, Ornamental. M. Andreoli. 2,451,649, Oct. 19.
- Flowerpot holder. H. Herzog. 2,452,236, Oct. 26.
- Flue system, Fireplace. H. W. Gabar and L. Horowitz. 2,447,405, Aug. 17.
- Fluid catalytic cracking. E. M. Van Dornick. 2,436,464, Feb. 24.
- Fluid clutch, governor controlled. W. H. Harstick. 2,453,791, Nov. 16.
- Fluid composition, Drilling. J. M. Gillet. 2,435,211, Feb. 3.
- Fluid contents of underground formation samples, Determining the. J. F. Redmond. 2,445,494, July 20.
- Fluid control system. T. B. Chace. 2,453,409, Nov. 9.
- Fluid control valve. W. A. Ray. 2,442,877, June 8.
- Fluid control valve. W. A. Ray. 2,447,207, Aug. 17.
- Fluid control valve. W. A. Ray. 2,456,084, Dec. 14.
- Fluid controlled feathering means for propellers. H. D. Hurt. 2,456,510, Dec. 14.
- Fluid controlled transmission, Automatic. R. F. Grebb. 2,454,694, Nov. 23.
- Fluid cooled four-way valve. F. M. Wolf. 2,437,144, Mar. 2.
- Fluid coupling. E. M. Anderson, B. O. Kelso and C. M. Ginn. 2,444,414, July 6.
- Fluid coupling. B. O. Kelso. 2,444,451, July 6.
- Fluid coupling. H. Nutt. 2,439,630, Apr. 13.
- Fluid coupling. R. C. Zeidler. 2,436,412, Feb. 24.
- Fluid coupling. R. C. Zeidler. 2,436,911, Mar. 2.
- Fluid coupling and friction clutch, Combination. G. R. Pennington. 2,453,811, Nov. 16.
- Fluid-coupling assembly. J. M. W. Chamberlain. 2,448,769, Sept. 7.
- Fluid distribution system. J. M. Dom. 2,453,416, Nov. 9.
- Fluid distribution system. D. W. Turner. 2,443,646, June 22.
- Fluid, Drilling. W. F. Oxford, Jr. 2,455,188, Nov. 30.
- Fluid drive for motorcycles. F. C. Lawson. 2,436,893, Mar. 2.
- Fluid-driven pump. F. A. Lane. 2,456,832, Dec. 21.
- Fluid flow control apparatus. H. A. Meyer. 2,443,263, June 15.
- Fluid flow regulator. C. Johnson. 2,438,973, Apr. 6.
- Fluid flow regulator. J. Olcott and A. C. Hoffman. 2,440,059, Apr. 20.
- Fluid-foil lifting surface. M. A. Garbell. 2,441,758, May 18.
- Fluid fuel combustion device. A. A. Arnheim. 2,445,466, July 20.
- Fluid handling mechanism. J. Muller. 2,452,256, Oct. 26.
- Fluid handling system for automatic cleansing apparatus. P. E. Geldhof and L. Ringer. 2,444,645, July 6.
- Fluid heat exchange installation. E. G. Bailey, R. M. Hardgrove, and T. B. Stillman. 2,444,908, July 13.
- Fluid heater. E. G. Bailey and R. M. Hardgrove. 2,447,306, Aug. 17.
- Fluid heater. N. G. Goreau. 2,453,985, Nov. 16.
- Fluid heater. O. Muller. 2,456,564, Dec. 14.
- Fluid heating and cooling system, Automatic electric. P. A. Johnson. 2,450,478, Oct. 5.
- Fluid inlet pipe for radial flow elastic fluid turbines. O. A. Wiberg. 2,443,879, June 22.
- Fluid joint. A. J. Taylor. 2,434,629, Jan. 13.
- Fluid line manifold, Detachable. C. J. Keim. 2,447,185, Aug. 17.
- Fluid meter. W. F. Aller. 2,457,297, Dec. 28.
- Fluid meter. C. P. Bergman. 2,449,973, Sept. 28.
- Fluid mixtures, Producing uniform. C. A. Brown. 2,449,766, Sept. 21.
- Fluid motor operated valve. J. E. Whitfield. 2,444,391, June 29.
- Fluid operable short stroke device. V. S. Shaw. 2,437,131, Mar. 2.
- Fluid operable stroke controlling device for fluid pumps. R. S. Conabee. 2,443,301, June 15.
- Fluid-operated apparatus for producing molded articles. P. H. Bilhuber. 2,435,866, Feb. 10.
- Fluid operated clutch. N. F. Adamson. 2,437,670, Mar. 16.
- Fluid operated motor. T. F. Stacy. 2,454,893, Nov. 30.
- Fluid passage, Variable. R. S. Colley. 2,434,835, Jan. 20.
- Fluid power device of the rotary abutment type, Multistage rotary. F. Berry. 2,447,929, Aug. 24.
- Fluid power unit. E. McCormick. 2,442,306, May 25.
- Fluid power unit. Z. D. Ruben. 2,434,747, Jan. 20.
- Fluid pressure actuated motor. I. J. Snader and H. N. Seyferth. 2,438,463, Mar. 23.
- Fluid pressure apparatus. E. M. May. 2,434,668, Jan. 20.
- Fluid pressure brake system for tractor-trailer vehicles. I. E. Wiegiers. 2,441,050, May 4.
- Fluid pressure compounding system. S. Schnell. 2,436,268, Feb. 17.
- Fluid pressure control apparatus. J. W. Rush and W. B. Kirk. 2,433,925, Jan. 6.
- Fluid pressure control device. L. A. Majneri. 2,445,855, July 27.
- Fluid pressure control mechanism. E. R. Fitch. 2,444,190, June 29.
- Fluid pressure control mechanism for airplane deicers. W. A. Eaton. 2,439,458, Apr. 13.
- Fluid pressure device. H. E. Somes and B. R. Purvin. 2,444,474, July 6.
- Fluid pressure mechanism. O. A. Carnahan. 2,441,797, May 18.
- Fluid pressure motor. F. C. Eastman. 2,456,689, Dec. 21.
- Fluid pressure operated brake and the like. H. J. Butler. 2,449,802, Sept. 21.
- Fluid pressure operated curb sirup separator. C. A. Olcott. 2,452,207, Oct. 26.
- Fluid-pressure-operated mechanism. F. C. Eastman. 2,436,424, Feb. 24.
- Fluid-pressure-operated mechanism. F. C. Eastman. 2,456,690, Dec. 21.
- Fluid pressure operated valve. H. V. Williamson. 2,445,163, July 13.
- Fluid pressure responsive apparatus. A. C. Ruge. 2,442,938, June 8.
- Fluid-pressure-responsive element. J. W. Beecher. 2,450,625, Oct. 5.
- Fluid pressure suspension system for vehicles. R. L. J. B. Sanmori. 2,443,433, June 15.
- Fluid pressure switch. W. M. Robison. 2,456,994, Dec. 21.
- Fluid pressure system. J. Kellogg. 2,445,437, July 20.
- Fluid pump. C. C. Buckner. 2,439,448, Apr. 13.
- Fluid pump. C. C. Buckner. 2,456,109, Dec. 14.
- Fluid pump. T. Elleman and K. M. Cloud. 2,452,185, Oct. 26.
- Fluid pump. L. E. Godfriaux. 2,444,159, June 29.
- Fluid pump. F. H. Schwerin. 2,435,326, Feb. 3.
- Fluid pump and control therefor. R. Lapsley. 2,433,954, Jan. 6.
- Fluid seal for fittings. J. C. De Weese. 2,439,244, Apr. 6.
- Fluid seal for inserts. J. Rosan. 2,452,262, Oct. 26.
- Fluid seal for shafts. H. Clayton-Wright. 2,454,036, Nov. 16.
- Fluid separator. P. M. Brister. 2,434,637, Jan. 20.
- Fluid separator. S. Letvin. 2,434,663, Jan. 20.
- Fluid separator. T. B. Stillman. 2,434,677, Jan. 20.
- Fluid stream direction indicator. A. Raspet. 2,445,746, July 20.
- Fluid stream vacuum pump. J. W. Tills. 2,436,704, Feb. 24.
- Fluid system automatic vent valve. J. Hulman. 2,442,361, June 1.
- Fluid-tight joint. W. T. Stephens. 2,436,407, Feb. 24.
- Fluid treating webs of fabrics. S. H. Williams. 2,445,504, July 20.
- Fluid turbine combining impulse and reaction blading, Plural. J. E. Johansson. 2,435,042, Jan. 27.
- Fluid valve. G. J. Koehler. 2,446,334, Aug. 3.
- Fluidized catalyst regeneration process which includes overhead cooling. F. H. Blanding. 2,454,373, Nov. 23.
- Fluidizing process for gasifying carbonaceous solids. P. C. Keith. 2,445,327, July 20.
- Fluids for power generation, Storing. F. W. Gay. 2,433,896, Jan. 6.
- Fluids, Heating. H. R. Swanson. 2,457,096, Dec. 21.
- Fluids, Hydraulic. H. T. Neher and F. J. Glavis. 2,435,950, Feb. 10.
- Fluids, Hydraulic. K. E. Walker. 2,451,999, Oct. 19.
- Fluids, Quenching. B. G. Maguire. 2,442,898, June 8.
- Fluids, Treatment of drilling. T. B. Wayne. 2,452,021, Oct. 19.
- Fluids with comminuted solids, Treatment of. B. F. Wobker. 2,456,035, Dec. 14.

- Fluids with powdered solids, Process and apparatus for contacting. H. Z. Martin. 2,440,482, Apr. 27.
- Fluids with silvered resins, Purifications of. R. B. Barnes and G. P. Ham. 2,434,190, Jan. 6.
- Flume. W. E. Wilson. 2,444,688, July 6.
- Flume for air laid wire. H. G. Jordan. 2,456,284, Dec. 14.
- Fluorenone dielectric composition. F. M. Clark. 2,453,494, Nov. 9.
- Fluorescent and filament lamp reflector unit, Combined. A. Schwinger. 2,451,580, Oct. 19.
- Fluorescent and/or cathode glow lamp and method. C. Morehead and D. S. Gustin. 2,438,181, Mar. 23.
- Fluorescent ballast bracket. R. F. Rowe. 2,450,302, Sept. 28.
- Fluorescent coatings and the like, Method and means for protecting. G. S. Quinn. 2,454,745, Nov. 23.
- Fluorescent-dyed cellulose acetate fabric. G. C. Ward and V. S. Salvin. 2,433,939, Jan. 6.
- Fluorescent hand lamp. A. D. Sobel. 2,435,164, Jan. 27.
- Fluorescent lamp circuit. R. W. Keiser and C. P. Boucher. 2,439,976, Apr. 20.
- Fluorescent lamps, Lamp holder for. G. H. Burt. 2,441,929, May 18.
- Fluorescent lamps, Lamp holder for. G. H. Dansereau. 2,441,871, May 18.
- Fluorescent lamps, Operating. A. P. Foster. 2,443,235, June 15.
- Fluorescent lighting system. C. P. Boucher and R. W. Keiser. 2,439,963, Apr. 20.
- Fluorescent tube lighting system. M. Nathanson. 2,436,399-400, Feb. 24.
- Fluorinated compounds, Halogenation of. P. L. Barrick and R. E. Christ. 2,436,135, Feb. 17.
- Fluorinated dibasic acids and preparing same. A. L. Henne. 2,438,484-5, Mar. 23.
- Fluorinated ethers. E. T. McBee and W. E. Weesner. 2,452,944, Nov. 2.
- Fluorinated products and process. A. M. Whaley. 2,451,185, Oct. 12.
- Fluorination of acyclic olefinic compounds. A. F. Benning and J. D. Park. 2,437,993, Mar. 16.
- Fluorination of carbon tetrachloride. E. T. McBee and Z. D. Welch. 2,443,630, June 22.
- Fluorination of hexachlorobutadiene. C. I. Gochenour and G. D. Kyker. 2,436,357, Feb. 17.
- Fluorine-containing vinyl esters. R. A. Jacobson. 2,443,005, June 8.
- Fluoroacetonitrile, Production of. H. S. Halbedel, S. Z. Cardon, and W. J. Shenk. 2,442,290, May 25.
- Fluoroalkanes, Manufacture of. C. B. Linn and L. Schermerling. 2,451,843, Oct. 19.
- Fluoroalkanes, Preparation of. H. H. Hoehn. 2,436,143, Feb. 17.
- Fluorocarbon compound. J. H. Simons. 2,456,028, Dec. 14.
- Fluorocarbons, Making. J. H. Simons. 2,456,027, Dec. 14.
- Fluorodihalo esters. L. McGinty. 2,454,663, Nov. 23.
- Fluorodinitroethanes. H. B. Hass and A. C. Whitaker. 2,447,504, Aug. 24.
- Fluorohydracrylic acids and their esters. M. S. Raasch. 2,452,791, Nov. 2.
- Fluorohydrocarbons by reacting hydrogen fluoride with acetylenic hydrocarbons. L. F. Salisbury. 2,437,307, Mar. 9.
- Fluorohydrocarbons, Preparation of unsaturated. D. D. Coffman and L. F. Salisbury. 2,451,612, Oct. 19.
- Fluoroprene, Making. L. F. Salisbury. 2,437,308, Mar. 9.
- Fluosulfonic acid and use as condensing agent in production of D. D. T., Recovery of. M. Kulka. 2,447,476, Aug. 7.
- Flush box and toilet construction, Unit-type. S. S. Lenski. 2,455,128, Nov. 30.
- Flush box mechanism. G. H. Sprague. 2,436,679, Feb. 24.
- Flush pin indicator. P. Hoffman. 2,445,176, July 13.
- Flush set, Swivel. W. E. Miller. 2,441,830, May 18.
- Flush tank. S. H. Moyer and L. R. Jensen. 2,437,435, Mar. 9.
- Flush tank valve. H. F. Smith. 2,444,958, July 13.
- Flushing device, Clogged drain. C. Davis. 2,436,634, Feb. 24.
- Flushing device for douche syringes. W. R. Curry. 2,456,257, Dec. 14.
- Flushing device for engine lubricating systems. E. N. Alderman. 2,454,585, Nov. 23.
- Flutter predicting apparatus. M. A. Biot and T. H. Wiancko. 2,448,698, Sept. 7.
- Flux for use in arc welding. L. K. Stringham. 2,435,852, Feb. 10.
- Flux, Soldering. K. K. MacDougall and J. A. Labash. 2,440,592, Apr. 27.
- Flux, Soldering and tinning. T. B. Crone. 2,456,624, Dec. 21.
- Fluxes, Soldering, brazing and welding. L. Cinamon. 2,452,995, Nov. 2.
- Fluxes, Welding. G. W. Harvey. 2,442,892, June 8.
- Fluxing method in soldering. J. F. Dillinger and C. C. Patton. 2,439,159, Apr. 6.
- Fluxion meter. C. A. Hissrich. 2,447,336, Aug. 17.
- Fly catcher. H. M. Linding. 2,434,364, Jan. 13.
- Fly catching device. J. C. Tarbell. 2,437,447, Mar. 9.
- Fly front for garments, Closed edge. F. Ippoliti. 2,452,853, Nov. 2.
- Fly sprays comprising an N-alkyl-cinnamide and D D T. S. I. Gertler and H. L. J. Haller. 2,436,920, Mar. 2.
- Fly sprays comprising an N-alkylphthalimide and D D T. S. I. Gertler and H. L. J. Haller. 2,436,919, Mar. 2.
- Flying fuselage. I. Jerome. 2,453,514, Nov. 9.
- Foam breaker, High-voltage. I. I. Pinkel. 2,450,016, Sept. 28.
- Foam forming apparatus. W. Kubacki and R. M. Urquhart. 2,435,449, Feb. 3.
- Foam in steam generators, Minimizing the production of. R. W. Kell. 2,449,656, Sept. 21.
- Foam prevention in extractive distillation of hydrocarbons with furfural solvent. G. Thodos and C. F. Weinaug. 2,449,427, Sept. 14.
- Foam-reducing silicon-containing compound, Dispersing a. L. C. Bollinger. 2,435,124, Jan. 27.
- Foam suppressing apparatus. W. B. Leaf. 2,438,929, Apr. 6.
- Foaming in an aqueous bath containing foam-inducing constituents, Reduction of. W. L. Denman. 2,439,797, Apr. 20.
- Focus control for television image tubes. M. Cawein. 2,434,196, Jan. 6.
- Focusing of cameras, Automatic. J. Rabinow. 2,456,317, Dec. 14.
- Focusing system. G. L. Grundmann. 2,442,975, June 8.
- Foil, Preparation of silver. F. Rosenthal. 2,439,489, Apr. 13.
- Foldable cabinet. E. Vunovich. 2,442,154, May 25.
- Foldable garment hanger. N. L. Wingate. 2,439,838, Apr. 20.
- Foldable kitchen table. M. E. H. Chapman. 2,456,862, Dec. 21.
- Foldable picture frame. S. M. Ford, Jr. 2,443,234, June 15.
- Folded napkin dispenser. R. T. Frieders. 2,434,206, Jan. 6.
- Folder. G. N. Dobie, Jr. 2,452,231, Oct. 26.
- Folder and manuscript cover, Convertible. E. G. Johnson. 2,445,671, July 20.
- Folder with picture frame and easel, Advertising. T. A. Graham. 2,453,902, Nov. 16.
- Folding and lasting machine. C. Christiansen. 2,446,043, July 27.
- Folding baby seat. E. Quiggle. 2,450,301, Sept. 28.
- Folding basket carrier. S. N. Goldman. 2,434,998, Jan. 27.
- Folding box. E. Barber. 2,450,573, Oct. 5.
- Folding box. A. L. Jackson and H. A. Brown. 2,456,419, Dec. 14.
- Folding box. J. Scher. 2,454,573, Nov. 23.
- Folding breakfast nook. O. V. Kendall. 2,450,515, Oct. 5.
- Folding camera support. D. G. Lewis. 2,453,442, Nov. 9.
- Folding child's vehicle. R. E. Gilmore. 2,455,168, Nov. 30.
- Folding clothes hanger. F. R. Peterson. 2,451,114, Oct. 12.
- Folding dinette table. W. F. Woods. 2,456,037, Dec. 14.
- Folding drying rack. C. W. Swanson. 2,434,891, Jan. 20.
- Folding electric clothes presser, Portable. S. Kronhaus. 2,436,998, Mar. 2.
- Folding infant-carrying vehicle. J. B. Dostal. 2,456,932, Dec. 21.
- Folding machine, Heater. G. G. Schneider and F. L. Donohue. 2,448,916, Sept. 7.
- Folding mechanism, Web. H. W. Faerber. 2,435,881, Feb. 10.
- Folding paper box. W. G. Anderson, Jr. 2,443,713, June 22.
- Folding parcel carrier. C. R. Gese. 2,441,531, May 11.
- Folding picnic table. J. Pierik. 2,454,202, Nov. 16.
- Folding picnic table. R. Wells. 2,452,169, Oct. 26.
- Folding ski. J. P. Beaudin. 2,450,538, Oct. 5.
- Folding table. M. L. Clare. 2,450,827, Oct. 5.
- Folding table. W. P. De Saussure. 2,448,360, Aug. 31.
- Folding table. G. L. Prothro, Sr. 2,436,056, Feb. 17.
- Folding table. A. E. Puls and E. R. Swenson. 2,450,353, Sept. 28.
- Folding vehicle. E. R. Bremer. 2,433,886, Jan. 6.
- Folding, wheeled, shopping bag. G. Simonian. 2,439,992, Apr. 20.
- Follow-up control. S. Godet. 2,437,951, Mar. 16.
- Follow-up control. J. O. Yeida. 2,437,846, Mar. 16.
- Follow-up servomotor. R. J. Lindsey. 2,449,400, Sept. 14.
- Follow-up system, Antihunt. B. A. Somers, R. D. McCoy, and J. R. Lillenthal. 2,452,609, Nov. 2.
- Food accessory substance. W. J. van Wagtenonk. 2,439,914, Apr. 20.
- Food composition containing fusaria. F. F. Nord. 2,450,055, Sept. 28.
- Food composition, Fruit flavored. A. M. Zenzes. 2,447,550, Aug. 24.
- Food, Freezing. F. B. Doyle. 2,450,645, Oct. 5.
- Food freezing apparatus. V. C. Patterson. 2,435,462, Feb. 3.
- Food preparations. S. M. L. Tritton. 2,452,506, Oct. 26.
- Food preserving. E. A. Hayes. 2,444,875, July 6.
- Food preserving apparatus. H. L. Moore. 2,453,530, Nov. 9.
- Food processor gearing. A. Strauss, E. Feltman, M. M. Hunt, and W. D. Harbaugh. 2,438,465, Mar. 23.

- Food product. G. J. Esselen. Re. 22,978, Mar. 2.
 Food product. E. Lilly. 2,455,508, Dec. 7.
 Food product and making the same, Dehydrated. R. W. Arengo-Jones. 2,451,312, Oct. 12.
 Food product and method of production. W. P. M. Grelick. 2,450,335, Sept. 28.
 Food product and producing same. R. Lee. 2,437,104, Mar. 2.
 Food product, Making. C. L. Peterson. 2,440,699, May 4.
 Food products, Concentrating highly colloidal. G. G. Zahm. 2,450,775, Oct. 5.
 Food products and making them. M. M. MacMasters and G. E. Hilbert. 2,442,928, June 8.
 Food-storage cabinet for use in conjunction with refrigerators, Supplemental. R. S. Wyeth. 2,444,887, July 6.
 Food tendering machine. H. C. Pfister. 2,438,184, Mar. 23.
 Food treatment process. M. E. Dunkley. 2,440,676, May 6.
 Food warmer, Electric. A. F. Shafter. 2,443,806, June 22.
 Foods, Canning. J. R. Brehm. 2,434,388, Jan. 13.
 Foot actuated pressure generator. F. A. Matulich. 2,435,928, Feb. 10.
 Foot control accessory for drill presses. J. W. Fried. 2,444,562, July 6.
 Foot for injured or short legs, Prosthetic. M. C. Valenti. 2,446,042, July 27.
 Foot leverer. C. H. Stemmons. 2,437,136, Mar. 2.
 Foot pad. P. D. Rayner. 2,454,836, Nov. 30.
 Foot, Pneumatic artificial. E. L. Strickland. 2,442,151, May 25.
 Foot, Presser. F. J. Ucellini. 2,442,222, May 25.
 Foot propelled vehicle. S. J. Woods. 2,449,266, Sept. 14.
 Footrest and drainage for bathtubs. N. Clark. 2,456,174, Dec. 14.
 Footrest and pedal extension. P. Kaufman and R. Stovall. 2,454,969, Nov. 30.
 Foot section for articulated beds, Patient adjustable. R. R. Freund. 2,452,366, Oct. 26.
 Foot support. M. Johnson. 2,439,625, Apr. 13.
 Foot warmer. J. A. Thompson, Jr. 2,442,026, May 25.
 Foot warmer. E. S. Winn, Sr. 2,434,188, Jan. 6.
 Footwear. R. Maling. 2,438,321, Mar. 23.
 Footwear and corrective sole therefor, Article of. H. L. Whitman. 2,446,448, Aug. 3.
 Footwear and making it. J. S. Kamborian. 2,450,666, Oct. 5.
 Foot wrapper. F. K. Glasgow. 2,449,936, Sept. 21.
 Force gauge. R. D. Mindlin. 2,445,307, July 13.
 Force lasted shoes and making same. J. S. Kamborian. 2,446,286, Aug. 3.
 Force-measuring instrumentality. G. E. McVey. 2,443,049, June 6.
 Forced air circuit refrigerating apparatus. W. M. Baird. 2,437,452, Mar. 9.
 Forceps, Wire applying. B. V. Scheib. 2,455,609, Dec. 7.
 Forearm, Shotgun. G. T. Bradley. 2,447,229, Aug. 17.
 Forging apparatus. J. C. Curtis. 2,443,814, June 22.
 Forging articles, Press. H. T. M. Rice. 2,451,512, Oct. 19.
 Forging machine. W. H. Wineman. 2,450,621, Oct. 5.
 Fork, Hay. G. T. Baker. 2,435,119, Jan. 27.
 Fork, Meat testing. M. Ross. 2,446,956, Aug. 10.
 Fork with ejector, Kitchen. F. Schaefer and L. R. Waters. 2,442,551, June 1.
 Form clamping support. D. Vocisano. 2,446,255, Aug. 3.
 Form, Cylindrical hairspring. W. O. Bennett, Jr. 2,457,631, Dec. 28.
 Form for concrete work. A. C. White. 2,443,846, June 22.
 Form for molding concrete in situ. R. W. Rumble. 2,447,670, Aug. 24.
 Form for molding concrete walls. F. S. Slater. 2,449,725, Sept. 21.
 Form for plastic structural work. J. W. Hart. 2,442,292, May 25.
 Form-securing clamp. R. F. Rosser. 2,452,325, Oct. 26.
 Form selector for denture prosthesis. W. C. Whittemore. 2,449,435, Sept. 14.
 Formaldehyde, Production of. C. A. Hochwalt, C. J. Stehman, and R. W. Sudhoff. 2,434,850, Jan. 20.
 Formation of colors in thiocyanates, Prevention of. W. H. Hill and J. H. F. Veltman. 2,440,717, May 4.
 Formation of curved surfaces of prescribed figure by grinding and/or polishing. C. R. Burch. 2,435,126, Jan. 27.
 Formations, Consolidating. G. G. Wrightsman. 2,434,605, Jan. 13.
 Forming a point at the end of a wire. W. G. Pfann. 2,434,286, Jan. 13.
 Forming a powder from metals, Method and apparatus for. H. R. Forton. 2,451,546, Oct. 19.
 Forming and assembling connecting sleeves. J. M. White. 2,457,796, Dec. 28.
 Forming and changing the cross section of convoluted metal tubing. D. Ingalls and J. H. Petersen. 2,452,125, Oct. 26.
 Forming and ejecting die castings. L. H. Morfin. 2,450,482, Oct. 5.
 Forming and shearing device. E. M. Hunt. 2,436,806, Mar. 2.
 Forming articles, Method of and apparatus for. V. G. Jarman. 2,443,914, June 22.
 Forming bearing structures. R. I. N. Weingart. 2,446,515, Aug. 3.
 Forming compressed wood structures. A. J. Stamm, R. M. Seborg, and M. A. Millett. 2,453,679, Nov. 9.
 Forming dentures from polymerizable acrylic materials. S. Amenta. 2,457,114, Dec. 28.
 Forming device, Charge. L. Lee, II. 2,450,833, Oct. 5.
 Forming device, Charge. F. C. Mock. 2,457,171, Dec. 28.
 Forming die. E. A. Kops. 2,441,245, May 11.
 Forming eyes on wire. I. Diamond. 2,454,997, Nov. 30.
 Forming hollow laminated structures. S. M. Fairchild. 2,452,739, Nov. 2.
 Forming machine. G. O. Conner. 2,439,077, Apr. 6.
 Forming machine. G. O. Conner. 2,440,848, May 4.
 Forming machine, Brush-stem. A. S. Erk. 2,447,499, Aug. 24.
 Forming material. G. D. Rechten, D. J. Ward, and J. H. Watson. 2,455,702, Dec. 7.
 Forming parts from powdered metal. R. P. Seelig. 2,449,515, Sept. 14.
 Forming porous artificial masses. O. A. Battista. 2,439,034, Apr. 6.
 Foundation device for load supporting columns. R. J. Neutra. 2,446,949, Aug. 10.
 Foundation garment. I. Rosner. 2,437,654, Mar. 9.
 Fountain, Automatic poultry. A. S. Didget. 2,446,695, Aug. 10.
 Fountain, Drinking. E. B. Johnson. 2,452,305, Oct. 26.
 Fountain fixture cooled by forced air circuit. E. E. Wilson. 2,438,355, Mar. 23.
 Fountain implement with pivotally mounted dual brush units. R. C. Logan. 2,448,607, Sept. 7.
 Fountain pen cap having a multiple-cylinder, single-axis calendar. S. Gonceli. 2,445,170, July 13.
 Fountain toothbrush with hand-feed valve. G. Ulvick. 2,441,520, May 11.
 4-Alkylmorpholine sulfur trioxide compounds. M. Scalera, C. T. Lester, and E. M. Hardy. 2,454,973, Nov. 30.
 4-alkylquinolines, Preparation of. K. N. Campbell. 2,451,610-11, Oct. 19.
 4-amino-4-methylvaleroalkylamides and preparing them. G. H. Morey. 2,456,590, Dec. 14.
 4-Amino-1,8-naphthalic imide disulfonic acids. M. Scalera and W. S. Forster. 2,455,095, Nov. 30.
 4-amino salicylic acid, Producing a. K.-G. Rosdahl. 2,445,242, July 13.
 4-cyano-2,5-dialkoxyacetanilides. W. H. von Glahn and H. A. Bergstrom. 2,453,692, Nov. 16.
 4-dialkylaminoalkylamino-6-methoxyquinoline. H. A. Shonle and A. M. Van Arendonk. 2,454,949, Nov. 30.
 4,4'-bis(pyrazolone-1-carboxamide and thiocarboxamide) couplers for color photography. A. Bavley. 2,435,550, Feb. 3.
 4-halogenomethyl-1:8-naphthosultones and a process for their manufacture. G. Schetty. 2,451,579, Oct. 19.
 Fowl, Preparing roasted. J. A. Zublin. 2,444,127, June 29.
 Fractionation in presence of radiant energy. C. H. Schlesman. 2,455,812, Dec. 7.
 Fractionation of lacteal liquids. F. K. Daniel. 2,437,080, Mar. 2.
 Frame: See—
 Adjustable picture frame. Heddle frame.
 Antiskid vehicle frame. Hoist frame.
 Collapsible canopy top frame. Novel spectacle frame.
 Collapsible display frame. Photographic film processing frame.
 Collapsible frame. Picture frame.
 Crochet frame. Printing press frame.
 Door frame. Pulpwood saw frame.
 Dryer frame. Ring spinning frame.
 Easel frame. Sack holding frame.
 Easel picture frame. Saw frame.
 Foldable picture frame. Truss side frame.
 Garment bag supporting frame. Weaving frame.
 Window frame.
 Frame and harness for dog baths. F. L. Short. 2,438,979, Apr. 6.
 Frame and sash, Auxiliary. J. H. Kleintop. 2,453,992, Nov. 16.
 Frame and support, Picture. N. Turan. 2,443,645, June 22.
 Frame construction for soft-sided luggage. G. G. Barton. 2,454,985, Nov. 30.
 Frame for automatic printing machines, Contact printing. E. H. Grogan. 2,444,505, July 6.
 Frame for caps. J.-E. and S. Mattsson. 2,445,230, July 13.
 Frame for core strips, Holding. M. W. Perry. 2,455,268, Nov. 30.
 Frame for gauze weaving looms, Needle. M. Banyal. 2,449,100, Sept. 14.
 Frame having pivoted temple connections, Trial. C. A. Ellis. 2,447,936, Aug. 24.
 Frame mounting flexible sheet-like materials. H. A. Marsh. 2,444,520, July 6.
 Frame straightening apparatus for automobiles. M. S. Merrill and L. W. Alfred. 2,442,425, June 1.
 Frame structure. A. B. Edwards, Jr. 2,451,076, Oct. 12.
 Frame structure for ventilating fans. P. E. Hord. 2,448,671, Sept. 7.
 Frame structure of dynamoelectric machines. F. J. Johns. 2,454,180, Nov. 16.

- Frame structure, Tubular. H. L. Kraeft and L. J. Walters. 2,443,008, June 8.
- Frame support and spacer, Honeycomb. I. A. Stoller. 2,446,346, Aug. 3.
- Frames of handbags, Offset axes multiple. J. Ritter. 2,446,435, Aug. 3.
- Franking machine, Postal. K. Oden. 2,456,309, Dec. 14.
- Free-fall aerial container. W. J. Sanderson. 2,450,992, Oct. 12.
- Free-flowing crystalline sulfadiazine, Producing. G. E. Hall, Jr., M. E. Hultquist and L. H. Dhein. 2,443,956, June 22.
- Free piston engine. H. G. Spier. 2,438,134, Mar. 23.
- Freewheeling mechanism, Controlled. A. Kégresse. 2,440,588, Apr. 27.
- Freeze-drying regenerated cellulose. F. C. Wedler. 2,444,124, June 29.
- Freezer control and refrigerating system, Automatic. F. F. Kolz. 2,446,156, July 27.
- Freezer, Pressure type. H. W. Kleist. 2,455,867, Dec. 7.
- Freezing apparatus. A. R. Sherick. 2,446,614, Aug. 10.
- Freezing apparatus, Ice cube. R. E. Tobey. 2,438,466, Mar. 23.
- Freezing high liquid content fruits and vegetables. A. F. Hoffman. 2,453,130, Nov. 9.
- Freezing liquid and apparatus therefor. R. P. Dunmire. 2,447,170, Aug. 17.
- Freight handling device. W. M. Riddick. 2,447,028, Aug. 17.
- Frequency and phase correction in oscillators. M. Morrison. 2,435,751, Feb. 10.
- Frequency changer. H. J. McCreary. 2,455,078, Nov. 30.
- Frequency comparison apparatus. L. F. Mayle. 2,437,609, Mar. 9.
- Frequency control apparatus. H. F. Wilder and A. W. Breyfogel. 2,435,259, Feb. 3.
- Frequency control apparatus and method. A. E. Harrison. 2,444,928, July 13.
- Frequency control, Automatic. G. Guanella. 2,453,988, Nov. 16.
- Frequency control, Automatic. C. R. Kenny. 2,452,575, Nov. 2.
- Frequency control, Automatic. R. J. Shank. 2,445,409, July 20.
- Frequency control of an oscillator of the velocity modulation type. H. M. Stearns. 2,434,293, Jan. 13.
- Frequency control of magnetron oscillators. J. B. Fisk. 2,444,435, July 6.
- Frequency control system, Automatic. M. L. Doelz. 2,445,663, July 20.
- Frequency conversion system. P. T. Nims. 2,447,133, Aug. 17.
- Frequency converter circuit. G. C. Sziklai. 2,457,008, Dec. 21.
- Frequency-determining unit, Multistage plug-in. D. H. Mitchell. 2,439,412, Apr. 13.
- Frequency divider. G. L. Usselman. 2,452,811, Nov. 2.
- Frequency doubling transformer. A. M. MacCallum. 2,446,939, Aug. 10.
- Frequency measuring circuit. R. S. Holmes. 2,457,676, Dec. 28.
- Frequency modulated pulse generator. B. Trevor. 2,444,479, July 6.
- Frequency modulated radio distance measuring system and indicator. R. C. Sanders, Jr. 2,436,672, Feb. 24.
- Frequency modulating and harmonic producer apparatus. W. P. Mason. 2,453,243, Nov. 9.
- Frequency modulation. R. V. Langmuir. 2,454,971, Nov. 30.
- Frequency modulation. D. G. C. Luck. 2,454,933, Nov. 30.
- Frequency modulation. G. L. Usselman. 2,440,621, Apr. 27.
- Frequency modulation. G. L. Usselman. 2,454,954, Nov. 30.
- Frequency modulation at ultra high frequencies. F. L. Burroughs. 2,450,182, Sept. 28.
- Frequency modulation detector circuit. W. E. Bradley. 2,445,996, July 27.
- Frequency-modulation radio-phonograph combination. C. W. Carnahan. 2,444,218, June 29.
- Frequency modulation system. O. H. Davie. 2,445,662, July 20.
- Frequency modulation system. L. E. Norton. 2,453,453, Nov. 9.
- Frequency multiplier network. W. L. Carlson and H. L. Donley. 2,443,094, June 8.
- Frequency multiplier, Rectifier circuit. J. C. Ferguson. 2,440,465, Apr. 27.
- Frequency responsive system. J. R. Schoenbaum. 2,457,278, Dec. 28.
- Frequency selecting switch. R. L. Wolff and W. J. Foy. 2,440,037, Apr. 20.
- Frequency selective system. A. G. Fox. 2,443,612, June 22.
- Frequency shift keying. G. L. Usselman. 2,457,288, Dec. 28.
- Frequency shift keying plus phase modulation. D. W. Pugsley. 2,456,992, Dec. 21.
- Frequency shift pulse time modulation. C. H. McShan. 2,451,347, Oct. 12.
- Frequency stabilization. M. Ziegler. 2,456,763, Dec. 21.
- Frequency stabilization system. H. E. Goldstine. 2,444,194, June 29.
- Frequency subdividing system. V. H. Vogel. 2,445,161, July 13.
- Frequency transformer, Permeability tuned intermediate. W. R. Faust and H. O. Lorenzen. 2,447,002, Aug. 17.
- Fresh green vegetables, Preparing. O. L. Moulthrop. 2,437,859, Mar. 16.
- Friction absorbing device. R. B. Cottrell. 2,444,337, June 29.
- Friction clutch. I. Saks. 2,445,638, July 20.
- Friction clutch. C. B. Spase. 2,436,874, Mar. 2.
- Friction clutch. C. B. Spase. 2,453,945, Nov. 16.
- Friction clutch operating mechanism. R. S. Root. 2,453,344, Nov. 9.
- Friction drive. H. D. Croft. 2,444,017, June 22.
- Friction element. R. E. Spokes. 2,457,003, Dec. 21.
- Friction elements and bond therefor, Making. W. A. Blume and R. E. Spokes. 2,453,188, Nov. 9.
- Friction material, Composition of. T. R. Stenberg. 2,450,171, Sept. 28.
- Friction shock absorber. S. B. Haseltine. 2,444,989, July 13.
- Friction shock absorber for railway draft riggings. G. E. Dath. 2,436,917, Mar. 2.
- Friction shock absorbing mechanism for railway car buffers. G. E. Dath. 2,441,187, May 11.
- Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,446,639, Aug. 10.
- Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,448,139, Aug. 31.
- Friction shock absorbing mechanisms for railway draft riggings. G. E. Dath. 2,440,714, May 4.
- Friction shock absorbing mechanisms for railway draft riggings. G. E. Dath. 2,442,799, June 8.
- Friction supporting device, Adjustable. F. C. Stieber. 2,449,424, Sept. 14.
- Friction top can. L. W. Hills. 2,443,984, June 22.
- Friction-wheel regulating gear. E. Krebs. 2,451,033, Oct. 12.
- Friedel-Crafts condensation of furane and its derivatives with unsaturated triglycerides, Products of the. A. W. Ralston, M. R. McCorkle, and R. J. V. Wal. 2,443,269, June 15.
- Front and rear wheel driven motor vehicle. A. F. Seider. 2,435,021, Jan. 27.
- Front for bathroom cabinet or similar article. W. Fanelli and C. A. Laystrom. Re. 23,055, Dec. 7.
- Front post and windshield construction. K. E. Coppock and G. A. Smith. 2,456,175, Dec. 14.
- Front-surface mirrors, Making. A. Raines, R. W. Boydston, and A. J. Eshner. 2,443,196, June 15.
- Froth flotation of ores employing a water-soluble salt of a cymene sulfonic acid. W. T. Bishop. 2,446,207, Aug. 3.
- Froth flotation of silicious gangue from an alkaline magnetic iron ore pulp with an amine. F. D. DeVaney. 2,450,720, Oct. 5.
- Froth flotation of sulfide ores, Differential. H. L. Gibbs. 2,449,984, Sept. 28.
- Froth level controlling device. W. M. Aubrey. 2,451,144, Oct. 12.
- Frozen-food container. C. R. Symmes. 2,444,861, July 6.
- Frozen food locker plant, Sectional. H. W. Morgan. 2,436,117, Feb. 17.
- Frozen grapefruit, Stabilization of. J. T. R. Nickerson. 2,437,752, Mar. 16.
- Fruit and vegetable juice extractor. J. B. Williams. 2,440,425, Apr. 27.
- Fruit drier. F. C. Gullo. 2,450,590, Oct. 5.
- Fruit gatherer. J. Knapp. 2,436,173, Feb. 17.
- Fruit juice concentrates, Preparing full-flavored. L. G. MacDowell, E. L. Moore, and C. D. Atkins. 2,453,109, Nov. 9.
- Fruit juice dispenser. T. M. Kerr. 2,440,406, Apr. 27.
- Fruit juice extractor. N. C. S. Allen. 2,454,905, Nov. 30.
- Fruit juices, Processing. G. Singleton. 2,450,097, Sept. 28.
- Fruit picker. C. D. Ray. 2,450,812, Oct. 5.
- Fruit picking bag. P. Cronrath. 2,435,921, Feb. 10.
- Fruit picking device, One-hand. I. J. Williams. 2,453,392, Nov. 9.
- Fruit process. K. K. Newsom. 2,444,579, July 6.
- Fruit products, Preparation of dried. R. T. Northcutt and R. T. Northcutt, Jr. 2,435,842, Feb. 10.
- Frying apparatus, French. K. E. Bemis. 2,456,810, Dec. 21.
- Fuel and ignition control. H. T. Jarvis. 2,453,093, Nov. 2.
- Fuel, and thermally working minerals therewith, Flux-forming. V. C. Williams. 2,436,002, Feb. 17.
- Fuel, Antiknock motor. P. Miller. 2,434,578, Jan. 13.
- Fuel, Antiknock motor. S. B. Wiczer. 2,447,926, Aug. 24.
- Fuel burner. W. M. Fulton. 2,444,985, July 13.
- Fuel burner. R. C. Vroom and J. Dunn. 2,446,069, July 27.
- Fuel carbureting means. C. M. Colvin. 2,445,104, July 13.
- Fuel composition. F. Elkan. 2,443,029, June 8.
- Fuel combustion. A. J. Stosick. 2,433,932, Jan. 6.
- Fuel components, Production of motor. S. H. McAllister. 2,456,975, Dec. 21.
- Fuel conditioning device. W. T. Rhoten. 2,436,018, Feb. 17.
- Fuel control. R. E. Fell. 2,441,805, May 18.
- Fuel control apparatus for liquid fuel burners. D. Bradbury and C. A. Meyer. 2,446,523, Aug. 10.

- Fuel control, Combustion responsive. R. W. Johnson. 2,440,405, Apr. 27.
- Fuel control device. G. E. Beardsley, Jr. 2,447,265-6, Aug. 17.
- Fuel control for hot-air heaters. R. W. De Lancey. 2,447,902, Aug. 24.
- Fuel control for power plants. A. Kalitinsky and D. E. Meitzler. 2,447,124, Aug. 17.
- Fuel control system for Diesel engines. J. H. Clark. 2,453,196, Nov. 9.
- Fuel, Diesel engine. R. T. Pollock. 2,438,452, Mar. 23.
- Fuel feeding system. F. C. Mock. 2,447,267, Aug. 17.
- Fuel gauge. M. H. Lerche. 2,447,189, Aug. 17.
- Fuel indicating lighter. A. Harris. 2,454,872, Nov. 30.
- Fuel injection apparatus. A. P. Thomas. 2,446,497, Aug. 3.
- Fuel injection control for free-piston units. R. J. Hooker. 2,441,195, May 11.
- Fuel injection device. R. Huber. 2,449,382, Sept. 14.
- Fuel injection device for internal-combustion engines. E. P. Paxman. 2,445,923, July 27.
- Fuel injection device for internal-combustion engines, Preheated. R. H. Hancock. 2,435,213, Feb. 3.
- Fuel injection mechanism. L. E. Johnson. 2,449,120, Sept. 14.
- Fuel injection means for free piston engines. F. M. Lewis. 2,447,513, Aug. 24.
- Fuel injection nozzle testing device for Diesel engines. H. W. Hanners. 2,436,429, Feb. 24.
- Fuel injection pump. G. W. Baierlein. 2,455,289, Nov. 30.
- Fuel injection pump. D. J. Deschamps, D. C. Clarke and F. E. Ferguson. 2,436,797, Mar. 2.
- Fuel injection pump. H. C. Edwards. 2,455,571, Dec. 7.
- Fuel injection pump. E. M. Flisk. 2,442,488, June 1.
- Fuel injection pump. R. H. Sheppard. 2,438,190, Mar. 23.
- Fuel injecting pump. R. B. Wallace. 2,439,498, Apr. 13.
- Fuel injection system for internal-combustion engines. L. S. Greenland. 2,438,662-3, Mar. 30.
- Fuel injection system for internal-combustion engines. L. S. Greenland. 2,449,468, Sept. 14.
- Fuel injector control dial gauge. R. W. Petersen. 2,449,137, Sept. 14.
- Fuel mixture control. W. F. Stanton. 2,296,8, Jan. 27.
- Fuel, Motor. P. Miller. 2,445,360, July 20.
- Fuel oil filling system. F. L. Boylan. 2,438,800, Mar. 30.
- Fuel pressure ignition control for burner systems. W. A. Ray. 2,437,894, Mar. 16.
- Fuel, Producing motor. W. G. Scharmann and F. T. Barr. 2,436,938, Mar. 2.
- Fuel, Production of motor. M. P. Matuszak. 2,434,000, Jan. 6.
- Fuel pump. T. E. Beacham. 2,451,055, Oct. 12.
- Fuel pump. K. J. De Juhasz and F. J. Villforth, Jr. 2,440,194, Apr. 20.
- Fuel pump. M. Katcher. 2,440,175, Apr. 20.
- Fuel pump. W. E. Leibing. 2,457,571, Dec. 28.
- Fuel pump. J. L. L. A. A. Moulet. 2,446,604, Aug. 10.
- Fuel pump. S. M. Udale. 2,443,570, June 15.
- Fuel pump drive for Diesel engines. R. H. Sheppard. 2,455,275, Nov. 30.
- Fuel pump for internal-combustion engines. G. E. Seals. 2,437,838, Mar. 16.
- Fuel pumping and distributing device. C. F. High. 2,445,266, July 13.
- Fuel regulating means for dual fuel engines. H. F. Shepherd. 2,454,222, Nov. 16.
- Fuel supply control means for combustion apparatus. R. E. Fell and J. W. Miller. 2,438,275, Mar. 23.
- Fuel supply for internal-combustion engines, Additional. D. R. Saucier. 2,443,120, June 8.
- Fuel supply system. F. Barfod. 2,456,603, Dec. 14.
- Fuel supply system. F. Barfod and E. O. Wirth. 2,445,846, July 27.
- Fuel supply system. F. Barfod and E. O. Wirth. 2,452,627, Nov. 2.
- Fuel supply system. F. Barfod and E. O. Wirth. 2,456,604, Dec. 14.
- Fuel supply system. E. O. Wirth and F. Barfod. 2,443,527, June 15.
- Fuel supply system. E. O. Wirth and F. Barfod. 2,456,605, Dec. 14.
- Fuel supply system for aircraft engines. E. Dodson.
- Fuel supply systems for internal-combustion engines. L. L. Lee, II. 2,442,463, June 1.
- 2,441,012, May 4.
- Fuel system. E. O. Wirth. 2,445,098-9, July 13.
- Fuel system, Dual carburetor. A. F. Braun. 2,434,192, Jan. 6.
- Fuel system for aircraft. D. Samiran and J. S. Mills. 2,435,982, Feb. 17.
- Fuel system for aircraft power plants for aircraft propulsion and boundary layer air control. E. A. Stalker. 2,449,022, Sept. 7.
- Fuel system for starting. E. O. Wirth and W. E. Leibing. 2,450,175, Sept. 28.
- Fuel tank. M. M. Cunningham. 2,439,562, Apr. 13.
- Fuel tank. D. J. and J. A. Sausser. 2,446,612, Aug. 10.
- Fuel tank and toolbox combination. S. W. A. Lintern and J. N. H. Christman, Jr. 2,445,275, July 13.
- Fuel tank gage. W. McCandless. 2,437,203, Mar. 2.
- Fuel to prime movers, Automatically controlling the supply of liquid. R. J. Ifield. 2,440,663, Apr. 27.
- Fuel to supercharged internal-combustion engines, Method and apparatus for metering. D. G. Russ. 2,441,977, May 25.
- Fuels and lubricants, Modified. S. Shappirio. 2,441,172, May 11.
- Fuels and their manufacture, High-compression motor. P. Miller. 2,434,577, Jan. 13.
- Fuels for internal combustion engines. W. J. Hale. 2,445,778, July 27.
- Fuels, Motor. W. A. Partridge and H. J. Alty. 2,452,489, Oct. 26.
- Fulcrum for lever mechanisms, Adjustable. F. B. Cope-land. 2,436,916, Mar. 2.
- Full view peep sight. W. W. Hanley. 2,439,086, Apr. 6.
- Fulling mill. F. B. Morrill. 2,442,742, June 1.
- Fumaric acid-conjugated hydrocarbon adducts. L. C. Lane and C. H. Parker, Jr. 2,444,263, June 29.
- Fumaric acid, Manufacture of. L. H. Howland and W. F. Brucksch, Jr. 2,454,885-6, Nov. 23.
- Fumaric nitrile, Preparing. H. A. Pace. 2,438,019, Mar. 16.
- Fumigant comprising sensitized ammonium nitrate and a pesticide, Thermically vaporizable. J. S. Flanders and E. Jones. 2,440,082, Apr. 20.
- Fumigant containing polystyrene, Liquid organic. E. C. Britton. 2,441,553, May 18.
- Fumigating and cleaning apparatus. Fur. N. Root. 2,436,333, Feb. 17.
- Fumigating package. A. L. Galloway. 2,449,695, Sept. 21.
- Fungicidal and bactericidal compositions containing 1-(4'-isopropylbenzyl)-piperazine. F. B. Zienty and G. W. Steahly. 2,451,645, Oct. 19.
- Fungicidal compositions. P. J. Carlisle and W. S. Hine-gardner. 2,452,429, Oct. 26.
- Fungicidal compositions. J. W. Heuberger. 2,457,674, Dec. 28.
- Fungus-proofing composition. P. G. Benignus. 2,457,025, Dec. 21.
- Funnel for casting explosive charges. C. F. Schneider. 2,435,610, Feb. 10.
- Funnel, Self-centering. S. C. Nelson. 2,446,301, Aug. 3.
- Fur buffing machine. F. Luckower. 2,445,623, July 20.
- Fur coat construction. M. J. Schiffrin. 2,436,489, Feb. 24.
- Fur fabric, Artificial. M. J. Schiffrin. 2,449,416, Sept. 14.
- Fur pelt or skin stretching apparatus. C. H. Donner. 2,439,419, Apr. 13.
- Fur treating process. W. Page. 2,443,475, June 15.
- Furfural, Inhibiting polymerization of. J. C. Hillyer and D. A. Nicwander. 2,440,442, Apr. 27.
- Furfural, Inhibiting polymerization of. W. A. Schulze and J. C. Hillyer. 2,440,451, Apr. 27.
- Furfural purification. G. Thodos. 2,446,728, Aug. 10.
- Aug. 31.
- Furfural recovery. C. K. Buell and C. F. Weinaug. 2,436,502, Feb. 24.
- Furfuryl acrylate, Making. C. E. Rehberg and C. H. Fisher. 2,433,866, Jan. 6.
- Furfuryl-alcohol, Conversion of. E. Farber. 2,445,137, July 13.
- Furfuryl alcohol-phenolic resins. A. P. Dunlop and E. A. Reineck. 2,453,704, Nov. 16.
- Furfuryl alcohol with an hydroxybenzene, Condensation of polymerized. A. P. Dunlop and E. A. Reineck. 2,456,628, Dec. 21.
- Furnace: See—
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| Annealing furnace. | Pot furnace. |
| Car-bottom furnace. | Reverberatory furnace. |
| Electric furnace. | Smelting furnace. |
| Heat-treating furnace. | Surface combustion crack- |
| Jet ejector furnace. | ing furnace. |
| Metal furnace. | Tobacco curing furnace. |
| Open-flame heated con- | |
| tinuous furnace. | |
- Furnace. R. E. Christian and A. W. Widerstedt. 2,444,805, July 6.
- Furnace. R. L. Hasche. 2,442,460, June 1.
- Furnace and operating same. F. H. Loftus. 2,438,812, Mar. 30.
- Furnace and operating the same, Industrial. G. G. Lloyd. 2,439,309, Apr. 6.
- Furnace arch and wall structure. W. H. Boyd. 2,457,201, Dec. 28.
- Furnace baffle. J. S. Wallis and J. W. Throckmorton. 2,455,201, Nov. 30.
- Furnace blast, Preheating. C. F. Ramseyer and C. M. Cosman. 2,446,388, Aug. 3.
- Furnace control system, Electric arc. D. T. Gundersen and P. Glass. 2,447,066, Aug. 17.
- Furnace hot-water heater. F. J. Gorman. 2,434,267, Jan. 13.
- Furnace lining structure. S. A. Komorowski. 2,451,679, Oct. 19.
- Furnace, Metallurgical. C. E. Thomas, J. S. Felter, and H. J. Ness. 2,456,469, Dec. 14.
- Furnace roof or arch with self-adjusting mounting for thermal expansion. J. E. Pluck. 2,444,365, June 29.
- Furnace structure, Transverse flux induction heating. R. M. Baker, G. R. Monroe, and R. R. Reed. 2,448,010.
- Furnace supporting member, Water-cooled. W. E. Schmidt. 2,436,452, Feb. 24.
- Furnace with flue cleaner, Heat conserving air heating. F. H. Elliott. 2,444,499, July 6.

- Furnace with selectively controlled radiator structure, Air-heating. C. S. Stout. 2,439,109, Apr. 6.
- Furniture. L. P. Come. 2,452,838, Nov. 2.
- Furniture. E. H. Hunter. 2,444,991, July 13.
- Furniture. R. E. Lippenberger. 2,439,690, Apr. 13.
- Furniture, Folding camping. F. M. Lindner. 2,448,377, Aug. 31.
- Furniture, Multiple unit. P. H. James. 2,440,544, Apr. 27.
- Furniture unit, Convertible. A. M. Richardson. 2,456,794, Dec. 21.
- Fuse. R. H. Earle. 2,441,692, May 18.
- Fuse. C. C. Fawcett and J. J. Hart. 2,452,558, Nov. 2.
- Fuse. E. J. Fix. 2,448,022, Aug. 31.
- Fuse. J. C. Gillette and B. H. Tabb, Jr. 2,452,562, Nov. 2.
- Fuse. J. C. Gillette and B. H. Tabb, Jr. 2,453,107, Nov. 2.
- Fuse. J. D. Jordan. 2,443,041, June 8.
- Fuse. L. K. Liljegren. 2,450,899, Oct. 12.
- Fuse. H. J. Nichols. 2,441,989, May 18.
- Fuse. H. J. Nichols. 2,455,603, Dec. 7.
- Fuse. W. E. Thibodeau. 2,434,971, Jan. 27.
- Fuse. E. H. Yonkers. 2,453,395-6, Nov. 9.
- Fuse. E. H. Yonkers. 2,453,688, Nov. 9.
- Fuse and demand meter, Combined. W. O. Schultz. 2,452,872, Nov. 2.
- Fuse and indicator, Electric. W. F. Skeats. 2,442,216, May 25.
- Fuse. Bomb. J. B. MacLean and M. E. Schlenker. 2,449,170, Sept. 14.
- Fuse casing, Renewable. R. Schoeppell. 2,446,886, Aug. 10.
- Fuse clamp. E. W. Landmeier. 2,448,267, Aug. 31.
- Fuse, Current limiting. C. L. Schuck. 2,439,674, Apr. 13.
- Fuse, Delay. J. C. Gillette and B. H. Tabb, Jr. 2,436,385, Feb. 24.
- Fuse, Delay arming antidisturbance. J. Taylor. 2,455,958, Dec. 14.
- Fuse, Detonating. D. M. McFarland. 2,445,032, July 13.
- Fuse, Double. N. Werber. 2,437,310, Mar. 9.
- Fuse elements, Short delay. J. C. W. Frazer and O. G. Bennett. 2,434,067, Jan. 6.
- Fuse for antitank mines. J. B. Traylor. 2,436,837, Mar. 2.
- Fuse for electrical apparatus immersed in a dielectric liquid, Protective. J. K. Hodnette. 2,439,931, Apr. 20.
- Fuse for projectiles. P. J. Dawson. 2,446,268, Aug. 3.
- Fuse, Magnetic. P. J. Eliomarkakis. 2,434,551, Jan. 13.
- Fuse, Mechanical time. J. J. Hart. 2,450,894, Oct. 12.
- Fuse, Mechanical time. B. B. Patton. 2,435,979, Feb. 17.
- Fuse link. E. H. Yonkers. 2,453,397, Nov. 9.
- Fuse puller. A. R. Marler. 2,454,878, Nov. 30.
- Fuse, Renewable. F. G. von Hoorn. 2,449,827, Sept. 21.
- Fuse, Restorable blowout indicating. J. E. Kostur. 2,444,200, June 29.
- Fuse-setting apparatus. V. P. Harvey. 2,450,375, Sept. 28.
- Fuse setting apparatus. D. W. Molins, V. P. Harvey, J. A. Mason, and G. F. W. Powell. 2,451,764, Oct. 19.
- Fuse setting mechanism. O. R. Haas. 2,438,165, Mar. 23.
- Fuse setter and rammer. A. Dabrasky, W. V. Goodhue, and G. M. Taylor. 2,442,401, June 1.
- Fuse, Threaded electric. M. A. Garibay. 2,443,134, June 8.
- Fuse, Time. R. H. Whitehead. 2,453,822, Nov. 16.
- Fuse unit. A. H. Powell. 2,448,389, Aug. 31.
- Fused wall outlet box. J. J. Nicolazzo. 2,435,794, Feb. 10.
- Fusion welding involving use of initial layer of finely divided metal. E. F. Wilson, J. C. Grubb, and F. A. Fowler. 2,441,176, May 11.
- Fuze. I. S. Chenoweth. 2,436,378, Feb. 24.
- Fuze. P. H. Thompson. 2,435,415, Feb. 3.
- Fuze, Fast burning delay. G. A. Morris and J. Louden. 2,441,248, May 11.
- Fuze firing pin, Inertia actuated magnetic. J. F. McCaslin. 2,436,396, Feb. 24.
- Gaff-weight hook. J. A. Rominski. 2,446,720, Aug. 10.
- Gage: See—
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| Absolute pressure gauge. | Internal bore gauge. |
| Adjustable automatic sawtable gauge. | Internal micrometer gauge. |
| Bore gauge. | Internal thread gauge. |
| Continuous air gage. | Multiple snap gauge. |
| Electric strain gage. | Pencil grip gauge. |
| Electromagnetic gauge. | Pivoted jaw gauge. |
| Fuel tank gage. | Raker sharpening gauge. |
| Gauge. | Screw thread gauge. |
| Hardness and thickness gauge. | Taper thread gauge. |
| | Tool positioning gauge. |
- Gage assembly, Strain. L. M. Tint. 2,440,706, May 4.
- Gaging apparatus for adjusting gage blocks of the adjustable type. H. V. Törnebohm. 2,440,646, Apr. 27.
- Gages, Making strain. E. E. Simmons, Jr. 2,434,628, Jan. 13.
- Gale hood. H. H. Mishel. 2,436,724, Feb. 24.
- Galvanic coating process. A. L. Tarr, G. W. Oxley, and F. C. Fyke. 2,444,174, June 29.
- Galvanometer mounting. G. R. Greenslade. 2,442,355, June 1.
- Galvanometer movable coil support. M. E. Morrow. 2,439,576, Apr. 13.
- Game. W. G. Hare and C. B. Roebuck, Jr. 2,453,907, Nov. 16.
- Game. J. E. Kirkpatrick. 2,441,074, May 4.
- Game. M. R. Roberts. 2,454,478, Nov. 23.
- Game. G. T. Ullenberg. 2,442,251, May 25.
- Game. D. Wasserman. 2,452,341, Oct. 26.
- Game, Amusement. J. C. Koci. 2,435,141, Jan. 27.
- Game apparatus. H. C. Dunfee. 2,430,125, Sept. 28.
- Game apparatus. M. F. Heuser. 2,437,189, Mar. 16.
- Game apparatus, Baseball. H. A. Markussen. 2,457,390, Dec. 28.
- Game apparatus, Pocket football. E. A. Spause. 2,454,891, Nov. 30.
- Game, Baseball. S. Cantor. 2,434,195, Jan. 6.
- Game, Baseball. M. C. Meyer. 2,457,168, Dec. 28.
- Game, Baseball. C. E. Siberts. 2,448,837, Sept. 7.
- Game board. T. Briscoe. 2,442,194, May 25.
- Game board and playing pieces therefor. A. H. Wheeler. 2,456,098, Dec. 14.
- Game board holder. H. Solomon. 2,436,273, Feb. 17.
- Game device. J. G. Mason. 2,444,167, June 29.
- Game disk, Rotating. M. Gewirtzman. 2,435,885, Feb. 10.
- Game of the ball and mallet type. N. M. Parke. 2,451,770, Oct. 19.
- Game or toy. N. R. Keyers. 2,433,995, Jan. 6.
- Game pocket, Removable. R. E. Carter. 2,448,416, Aug. 31.
- Game pointer, Rotating. C. G. Rosenberger. 2,454,479, Nov. 23.
- Game projectile. M. C. Myers. 2,436,174, Feb. 17.
- Game, Sailing. J. C. Powers, Jr. 2,455,519, Dec. 7.
- Game, Simulated baseball box score. G. E. Noel. 2,448,151, Aug. 31.
- Game, Sliding block. G. Mikula, Jr. 2,456,884, Dec. 21.
- Gamma-acetopropanol and gamma-valerolactone, Preparing. L. P. Kyrides and F. B. Zienty. 2,444,301, June 29.
- Gamma-acetyl pimelic acid and diesters thereof. A. B. Boese, Jr. 2,438,961, Apr. 6.
- Gamma globulins from human blood serum, Recovering. J. W. Williams and H. F. Deutsch. 2,437,060, Mar. 2.
- Gantry. L. C. Oertle. 2,449,501, Sept. 14.
- Gantry structure. W. M. Huston. 2,440,199, Apr. 20.
- Gantry structure. R. E. Smith and L. H. Workman. 2,436,337, Feb. 17.
- Garage door operation. A. J. Swanson and J. R. Gardner. 2,452,501, Oct. 26.
- Garbage can cover. N. L. Johnson and J. D'Andrea. 2,447,944, Aug. 24.
- Garbage can holder. P. Wetzel. 2,448,563, Sept. 7.
- Garbage can liner. J. C. Foreman. 2,433,945, Jan. 6.
- Garbage disposal device. H. Jordan. 2,442,812, June 8.
- Garden and apparatus for separating the soils and plants therein. I. Hill and W. Nelson. 2,436,770, Feb. 24.
- Garden hose nozzle support. G. J. Reeh. 2,442,904, June 8.
- Garden stake with chamber for plant growth. W. L. Gould. 2,435,539, Feb. 3.
- Garment: See—
- Body garment.
- Garment. W. W. Artzt. 2,437,988, Mar. 16.
- Garment. E. Buchler. 2,450,631, Oct. 5.
- Garment. M. Kay. 2,441,274, May 11.
- Garment. T. Kotzin. 2,455,588, Dec. 7.
- Garment. R. H. MacCloskey. 2,446,482, Aug. 3.
- Garment. B. O. Mathews. 2,440,752, May 4.
- Garment. M. S. Newcombe. 2,434,714, Jan. 20.
- Garment. H. B. Northrup. 2,434,809, Jan. 20.
- Garment. R. E. Richman. 2,454,208, Nov. 16.
- Garment. P. O'L. Whisnant. 2,445,096, July 13.
- Garment and collar combination. R. Spector. 2,451,364, Oct. 12.
- Garment and making same. A. G. Neel. 2,444,404-5, June 29.
- Garment and making same, Paper. S. Trokie and H. McKechnie. 2,436,060, Feb. 17.
- Garment and making the same. W. W. Artzt and E. Lesavoy. 2,437,989, Mar. 16.
- Garment article and making same. F. M. Schwartz. 2,437,974, Mar. 16.
- Garment, Baby. M. L. Neal. 2,451,300, Oct. 12.
- Garment bag supporting frame. M. J. Kraft. 2,442,364, June 1.
- Garment, Body. H. E. Saxon. 2,436,610, Feb. 24.
- Garment, Body supporting. E. A. Hendricks. 2,442,894, June 8.
- Garment, Bust molding and uplifting. M. E. Wittner. 2,456,552, Dec. 14.
- Garment, Child's. A. A. Goldstein. 2,436,106, Feb. 17.
- Garment, Child's. H. R. Leuthy. 2,440,721, May 4.
- Garment, Child's. M. H. Sunseri. 2,446,394, Aug. 3.
- Garment, Child's. L. H. De Vries. 2,445,909, July 27.
- Garment, Child's outer. L. A. Forkish. 2,436,165, Feb. 17.
- Garment, Child's sleeping. G. E. Joyce. 2,444,652, July 6.
- Garment clamp. Y. Amber. 2,452,891, Nov. 2.
- Garment cleaning machine. E. W. Pickett, Jr., and D. E. McMullen. 2,437,478, Mar. 9.
- Garment combination, Infant's sleeping. L. L. Steigerwald. 2,455,884, Dec. 7.
- Garment, Convertible athletic. L. Mintzes. 2,440,868, May 4.
- Garment conveyer. A. J. Pohlers. 2,449,669, Sept. 21.
- Garment, Elastic. N. B. Reed. 2,441,443, May 11.
- Garment, Emergency rain. V. E. Walston. 2,444,761, July 6.

- Garment finishing device. J. C. Shaw and H. E. Blettner. 2,454,888, Nov. 30.
- Garment finishing machine. J. H. Richa. 2,436,731, Feb. 24.
- Garment for animals, Protective. L. A. Miller. 2,443,831, June 22.
- Garment for infants, Bed. I. Holloway. 2,439,658, Apr. 13.
- Garment, Foundation. H. G. Karcher. 2,444,829, July 6.
- Garment hanger. J. F. Appleman. 2,452,346, Oct. 26.
- Garment hanger. J. G. Bryn. 2,434,142, Jan. 6.
- Garment hanger. P. Friedman. 2,444,345, June 29.
- Garment hanger. M. A. Glavies. 2,441,407, May 11.
- Garment hanger. H. Goldlust. 2,457,776, Dec. 28.
- Garment hanger. W. F. Helwig. 2,450,512, Oct. 5.
- Garment, Self-adjusting. H. S. Heilbronner. 2,456,190, Dec. 14.
- Garment hanger. J. S. Johnston. 2,435,084, Jan. 27.
- Garment hanger. P. S. Kempf. 2,455,066, Nov. 30.
- Garment hanger. W. R. Kohl. 2,448,673, Sept. 7.
- Garment hanger. L. L. Lesavoy. 2,436,314, Feb. 17.
- Garment hanger. B. Levith. 2,455,258, Nov. 30.
- Garment hanger. K. R. O'Grady. 2,457,486, Dec. 28.
- Garment hanger. C. L. Pandeale. 2,448,234, Aug. 31.
- Garment hanger. A. Piotrowski. 2,447,204, Aug. 17.
- Garment hanger. H. E. Reynolds. 2,454,944, Nov. 30.
- Garment hanger. W. Richerzhagen. 2,448,394, Aug. 31.
- Garment hanger. J. A. Schmitt. 2,448,282, Aug. 31.
- Garment hanger. A. G. Wahl. 2,435,111, Jan. 27.
- Garment hanger. A. G. Wahl. 2,451,788, Oct. 19.
- Garment hanger. E. Weibel. 2,448,754, Sept. 7.
- Garment hanger. J. E. Whitman. 2,435,859, Feb. 10.
- Garment hanger. G. S. Wilson. 2,452,513, Oct. 26.
- Garment hanger. R. H. Wollin. 2,439,355, Apr. 6.
- Garment hanger support. J. P. Johnson and L. C. Teague. 2,453,919, Nov. 16.
- Garment, Infant's. D. Catizone. 2,451,807, Oct. 19.
- Garment, Infant's. N. C. Oswald. 2,441,900, May 18.
- Garment, Lady's. A. Licht. 2,438,062, Mar. 16.
- Garment-making apparatus. J. Abrams. 2,448,287, Aug. 31.
- Garment, Maternity. R. M. Mahoney. 2,454,287, Nov. 23.
- Garment, Pant type. H. L. Redmond. 2,435,945, Feb. 10.
- Garment protector. B. Forcheimer. 2,434,461, Jan. 13.
- Garment protector. D. Topjian. 2,438,771, Mar. 30.
- Garment provided with sleeves. R. Jamieson. 2,438,171, Mar. 23.
- Garment, Slipover. E. A. Smicker. 2,439,149, Apr. 6.
- Garment spotting apparatus. D. O. Goodwin and B. J. Yanchenko. 2,435,439, Feb. 3.
- Garment spotting apparatus. B. J. Yanchenko. 2,445,592, July 20.
- Garment stand. W. O. Fought, Jr. 2,454,148, Nov. 16.
- Garment steaming and drying apparatus. J. C. Shaw. 2,453,730, Nov. 16.
- Garment stretching and pressing machine. I. Primus. 2,436,121, Feb. 17.
- Garment supporter. P. Lazare. 2,436,581, Feb. 24.
- Garment supporting device for ironing boards. A. M. Harvey. 2,456,411, Dec. 14.
- Garment, Two-purpose body. G. M. Hart. 2,436,430, Feb. 24.
- Garment, Upper. F. Seelye. 2,441,909, May 18.
- Garment, Waistline control. L. Shulman. 2,457,071, Dec. 21.
- Garment, Waterproof outer. J. T. Callahan and J. A. Gilbertson. 2,438,429, Mar. 23.
- Garment with detachable shoulder pad. L. Pinkus. 2,436,054, Feb. 17.
- Garment, Women's. R. U. Garson. 2,442,803, June 8.
- Garter. G. C. Mason. 2,441,545, May 11.
- Garter. P. J. Stiger. 2,449,425, Sept. 14.
- Garter construction. B. D. Miskimen. 2,446,018, July 27.
- Gas analysis, Microwave. W. D. Hersberger. 2,457,673, Dec. 28.
- Gas analyzer. C. Johnson. 2,449,485, Sept. 14.
- Gas analyzer, Constant flow. V. Guillemin, Jr. 2,449,067, Sept. 14.
- Gas analyzer, Infrared. R. E. Kidder and J. W. Berry. 2,443,427, June 15.
- Gas and hot air turbine system, Exhaust. R. Birrmann. 2,443,717, June 22.
- Gas and steam turbine arrangement, Combustion. A. G. Forsyth. 2,447,696, Aug. 24.
- Gas bomb. J. H. Hammond, Jr. 2,453,842, Nov. 16.
- Gas-borne material, Drying and disintegrating. A. H. Manning and O. Heller. 2,435,927, Feb. 10.
- Gas burner. A. H. Greaves. 2,450,790, Oct. 5.
- Gas burner. E. H. Mueller. 2,450,483, Oct. 5.
- Gas burner. E. H. Mueller. 2,450,680, Oct. 5.
- Gas burner supporting stand. G. Vorbusch. 2,447,925, Aug. 24.
- Gas cock, Safety. R. B. Baldwood. 2,444,889, July 6.
- Gas cocks, Making. H. E. Tantz. 2,446,496, Aug. 3.
- Gas control valve. R. W. Johnson and C. E. Zarwell. 2,457,378, Dec. 28.
- Gas discharge lamp. M. Pennybacker. 2,440,832, May 4.
- Gas discharge lamp. M. Pennybacker. 2,451,043, Oct. 12.
- Gas dispenser. J. A. Heidbrink, W. E. Michaelson, and W. W. Hay. 2,435,040, Jan. 27.
- Gas dispensing system, Liquefied. L. J. White. 2,449,350, Sept. 14.
- Gas diffusion device for storage batteries. H. P. Murphy. 2,452,066, Oct. 26.
- Gas distributing safety device. S. Rattay. 2,438,619, Mar. 30.
- Gas filled flexible containers, Making. S. Bergstein. 2,442,161, May 25.
- Gas filled machine. De W. S. Snell and L. P. Grobel. 2,454,979, Nov. 30.
- Gas filled tube. H. G. Busignies and L. A. de Rosa. 2,444,427, July 6.
- Gas flame regulator. F. B. Cole. 2,456,864, Dec. 21.
- Gas furnace with electrically ignited pilot. A. V. Halda. 2,442,168, May 25.
- Gas generator. W. M. Buehl and C. B. Shepherd. 2,455,975, Dec. 14.
- Gas generator. N. K. Koebel. 2,436,309, Feb. 17.
- Gas generator. J. A. Starr. 2,446,309, Aug. 3.
- Gas generator for combustible farm wastes. H. E. McCordic. 2,441,161, May 11.
- Gas generators and collectors, Arrangement of. A. Kalitinsky. 2,441,196, May 11.
- Gas heater. E. G. Peterson and D. P. Graham. 2,446,059, July 27.
- Gas holder. J. M. Crom. 2,441,660, May 18.
- Gas holders, Painting of. L. B. Donovan. 2,451,158, Oct. 12.
- Gas in cells of aircraft, Indicating the state of. C. S. Hall. 2,450,954, Oct. 12.
- Gas metallurgy, Noble. G. R. Burkhardt. 2,450,081, Sept. 28.
- Gas meter prover apparatus. T. Oakley, M. J. Westenhaver, and R. E. Eggmann. 2,448,616, Sept. 7.
- Gas mixer. O. E. Schlachter. 2,443,933, June 22.
- Gas operation of firearms action slides. S. W. Marshall, Jr. 2,449,560, Sept. 21.
- Gas porting device for shotguns. R. M. Cutts. 2,453,121, Nov. 9.
- Gas producer. A. L. Galusha. 2,440,940, May 4.
- Gas producer, Electrothermic. P. L. J. Miquet and M. P. Perron. 2,447,809, Aug. 24.
- Gas purification and dehydration process. E. R. McCartney. 2,435,089, Jan. 27.
- Gas reactor. H. Bender, R. P. Obrecht, and H. E. Kling. 2,441,528, May 11.
- Gas sampling apparatus. J. D. Collett, Jr. 2,452,224, Oct. 26.
- Gas sampling device. W. K. Neuman and H. M. Slosberg. 2,457,707, Dec. 28.
- Gas storage and dispensing system, Liquefied. L. J. White. 2,449,352, Sept. 14.
- Gas treating apparatus. L. F. Marek. 2,450,289, Sept. 28.
- Gas turbine apparatus. S. Way. 2,448,561, Sept. 7.
- Gas turbine, Continuous combustion contraflow. A. R. Howell. 2,441,488, May 11.
- Gas turbine lubricating oil cooling and air inlet deicing system. R. E. Weiler. 2,435,990, Feb. 17.
- Gas turbine plant. T. J. Putz and K. R. Stearns. 2,443,054, June 8.
- Gas turbine, Steam and combustion. P. Horsdal. 2,456,417, Dec. 14.
- Gas turbines, Starting. B. O. Austin and O. C. Walley. 2,443,648, June 22.
- Gas turboelectric locomotive. H. Weier. 2,437,011, Mar. 2.
- Gas welding rod. J. T. Eash. 2,457,215, Dec. 28.
- Gases and particle form solid material, Method and apparatus for contacting. J. A. Crowley, Jr., and C. V. Hornberg. 2,441,311, May 11.
- Gases and solids, Method and apparatus for contacting. E. L. Sinclair. 2,441,335, May 11.
- Gases, Converting hydrocarbon. L. P. Evans. 2,448,257, Aug. 31.
- Gases from artificial silk and the like, Collection of. W. Ufnowski. 2,451,890, Oct. 19.
- Gases, Production of industrial or power. M. Stein-schlaeger. 2,434,444, Jan. 13.
- Gases with particle form solid contact materials, Method and apparatus for contacting. L. P. Evans, C. V. Hornberg, and F. E. Ray. 2,434,202, Jan. 6.
- Gaseous discharge device. P. W. Stutsman. 2,443,205, June 15.
- Gaseous discharge device. N. B. Wales, Jr. 2,443,407, June 15.
- Gaseous discharge lamp circuit. A. E. Feinberg. 2,452,026, Oct. 19.
- Gaseous electrical space discharge devices and circuits therefor. P. W. Stutsman. 2,444,072, June 29.
- Gaseous fuel burner. R. H. Solem. 2,442,062, May 25.
- Gaseous fuel burner. R. H. Solem. 2,457,505, Dec. 28.
- Gaseous mixtures, Separation of. R. B. Anderson. 2,437,288, Mar. 9.
- Gasket. E. K. Clark. 2,439,923, Apr. 20.
- Gasket. C. D. Laidley. 2,439,306, Apr. 6.
- Gasket and static seal, Packing. J. S. Aber. 2,437,586, Mar. 9.
- Gasket cement containing polyvinyl butyral and polyvinyl acetate, Hardening type. C. M. White. 2,443,993, June 22.
- Gasket, Composite compressible. W. R. Price. 2,442,311, May 25.
- Gasket, Radio shielding sealing. A. A. Pierson, Jr. 2,454,567, Nov. 23.

- Gasket, Spiral wound. S. S. Lippincott. 2,457,694, Dec. 28.
- Gasket, Spiral wound. W. R. Price. 2,442,312-13, May 25.
- Gasoline and other hydrocarbons from coconut oil and related animal and vegetable oils and fats, Producing. S. Petroff and A. E. Prats. 2,437,438, Mar. 9.
- Gasolines, Production of high octane. J. R. Bates. 2,434,634, Jan. 20.
- Gastroscope. P. F. Salisbury. 2,453,862, Nov. 16.
- Gate: *See*—
- Automatic gate. Resilient gauging gate.
 - End gate. Speed controlled motor-driven gate.
 - Hopper gate.
 - Race starting gate.
- Gate. P. E. Van Horn. 2,434,447, Jan. 13.
- Gate holder. W. Sugg. 2,443,279, June 15.
- Gate operating means. I. B. McKeown. 2,455,018, Nov. 30.
- Gates of die castings, Trimming. L. H. Morin. 2,435,505, Feb. 3.
- Gatherer for silage harvesters. H. G. Good. 2,456,404, Dec. 14.
- Gauge: *See*—
- Absolute pressure gauge. Ionization - type vacuum gauge.
 - Adjustable automatic saw-table gauge. Lens marking gauge.
 - Air pressure gauge. Liquid gauge.
 - Bar type high range gauge. Liquid level gauge.
 - Bore gauge. Long-base strain or distance gauge.
 - Brake shoe adjusting gauge. Magnetic field gauge.
 - Cap strip gauge. Maximum load indicating gauge.
 - Cartridge rim gauge. Micrometer bore gauge.
 - Comparator gauge. Micrometer depth gauge.
 - Continuous air gauge. Multiple diameter gauge.
 - Dip stick gauge. Multiple snap gauge.
 - Duplex micrometer gauge. Pencil grip gauge.
 - Electric pressure strain gauge. Photoelectric ring gauge.
 - Electric strain gage. Pivoted jaw gage.
 - Electrical micrometer gauge. Pressure gauge.
 - Electromagnetic gauge. Push and pull load gauge.
 - Extensometer or strain gauge. Raker sharpening gauge.
 - Force gauge. Saw gauge.
 - Fuel gauge. Screw thread gauge.
 - Fuel injector control dial gauge. Shock gauge.
 - Fuel tank gage. Strain gauge.
 - Gage. Taper thread gauge.
 - Hardness and thickness gauge. Thread ring gauge.
 - Internal bore gauge. Thrust gauge.
 - Internal micrometer gauge. Tube gauge.
 - Internal thread gage. Vaginal gauge.
 - Gauge. A. C. Scinta. 2,447,282, Aug. 17. Varilength tandem self-aligning gauge.
 - Gauge and making same, Metal foil type strain. W. D. Van Dyke and P. A. Dennis. 2,457,616, Dec. 28. Water gauge.
 - Gauge assembly, Pressure. L. Hornbostel. 2,440,718, May 4. Work gauge.
 - Gauge center of gravity and gross weight meter, Strain. P. M. Magruder and W. W. Bender, Jr. 2,443,045, June 8.
 - Gauge circuits, Ionization. G. R. Nagel and M. E. Johnson. 2,455,437, Dec. 7.
 - Gauge dynamometer, Ring type resistance strain. L. D. Statham. 2,453,551, Nov. 9.
 - Gauge for checking the centerline of elongate parts. E. C. Moss. 2,455,516, Dec. 7.
 - Gauge for crosscut saws, Length. W. B. Roddenbery, Jr. 2,434,472, Jan. 13.
 - Gauge for liquefied petroleum gas tanks, Slip tube. J. R. Holicer. 2,450,142, Sept. 28.
 - Gauge for measuring and indicating the hardness of various substances. W. F. Shore. 2,453,042, Nov. 2.
 - Gauge for measuring or checking the effective diameters of screw threads. E. G. D. Gabbey. 2,443,820, June 22.
 - Gauge for setting up work in balancing machines, Centering. H. E. Krueger. 2,434,661, Jan. 20.
 - Gauge for spark plugs, Gap. L. A. Habicht and H. H. Vogel. 2,439,363, Apr. 6.
 - Gauge of dial indicator type, Contour and depth. B. Egor. 2,439,565, Apr. 13.
 - Gauge or indicator, Liquid proportioning. W. C. J. Smith. 2,451,882, Oct. 19.
 - Gauge system for measuring small variations in dimensions. B. E. Lenehan. 2,443,661, June 22.
 - Gauging apparatus for controlling a grinding operation. W. H. Blessing. 2,447,558, Aug. 24.
 - Gauging apparatus, Pneumatic. F. L. Rupley. 2,457,401, Dec. 28.
 - Gauging-device actuated light-beam responsive selecting apparatus. E. F. Martinec. 2,439,406, Apr. 13.
 - Gauging device, Screw-thread. G. W. Hughes. 2,443,858, June 22.
 - Gauging device, Size. W. F. Aller. 2,446,071, July 27.
 - Gauging dispensing device, Article. G. A. Kruse. 2,439,475, Apr. 13.
 - Gauging head, Electric. J. J. Neff. 2,452,862, Nov. 2.
 - Gear: *See*—
 - Aircraft landing gear. Milling machine control gear.
 - Airplane landing gear. Railway car draft gear.
 - Arresting gear. Railway draft gear.
 - Ball-bearing worm gear. Reversing gear.
 - Bevel gear. Steerable vehicle running gear.
 - Friction-wheel regulating gear. Steering gear.
 - Hand and power operated steering gear. Valve gear.
 - Induction generator starting gear. Vehicle running gear.
 - Marine reversing gear. Vehicle tandem axle running gear.
 - Gear and brake for aircraft, Landing. R. W. Brown. 2,435,465, Feb. 3.
 - Gear and locking device, Lawn mower. F. E. Thompson. 2,438,980, Apr. 6.
 - Gear box for accessories on board aircraft, Multidrive. C. R. Waseige. 2,454,293, Nov. 23.
 - Gear casing, Variable angle. H. C. Heinsohn, Jr. 2,445,828, July 27.
 - Gear changing mechanism for shaping machines. G. Davenport. 2,447,317, Aug. 17.
 - Gear-cutting machine. O. F. Bauer. 2,444,551, July 6.
 - Gear drive for printing and other machines. K. W. Jones. 2,449,852, Sept. 21.
 - Gear finishing. M. B. Mentley. Re. 23,053, Nov. 30.
 - Gear fixed to a machine frame, Intermediate. A. Bachler. 2,442,112, May 25.
 - Gear for aircraft, Retractable landing. E. E. Wallace. 2,448,064, Aug. 31.
 - Gear for flying boats, Mooring. H. Knowler. 2,447,945, Aug. 24.
 - Gear for hydraulic pumps, Control. T. E. Beacham.
 - Gear housing. R. E. Rambo and J. E. Pastoret. 2,438,020, Mar. 16.
 - Gear housing, Worm. H. J. Lounsbery. 2,441,640, May 18.
 - Gear measuring device. B. V. Malmberg. 2,445,402, July 20.
 - Gear mechanism. J. Dunlop. 2,436,798, Mar. 2.
 - Gear mechanism, Reducing. F. Miller. 2,439,521, Apr. 13.
 - Gear mounting. H. J. Kent. 2,451,342, Oct. 12.
 - Gear pump structure. E. S. Witchger. 2,434,133, Jan. 6.
 - Gear reduction units, Selective. C. W. Drought. 2,436,746, Feb. 24.
 - Gear shaving machine. L. W. Falk, W. P. Schmitter, and G. P. Maurer. 2,452,520, Oct. 26.
 - Gearshift, Concentric steering column. M. Jovanovich and J. J. Wharam. 2,455,179, Nov. 30.
 - Gear shifting mechanism for grain drills or the like. W. A. Hyland. 2,437,094, Mar. 2.
 - Gear testing apparatus. W. O. Bennett, Jr. 2,444,016, June 22.
 - Geared adjustment means. H. M. Barber. 2,448,292, Aug. 31.
 - Gearing, Adjustable. J. T. Gondek. 2,444,773, July 6.
 - Gearing and control, Engine starter. J. E. Buxton. 2,455,328, Nov. 30.
 - Gearing, Anti-backlash. S. W. Larson. 2,440,901, May 4.
 - Gearing, Antifriction worm. H. S. Hoffar. 2,455,487, Dec. 7.
 - Gearing connecting oppositely rotating shafts. H. S. Eagle. 2,451,723, Oct. 19.
 - Gearing control by electrical machines, Differential. L. A. Trofimov. 2,441,604, May 18.
 - Gearing, Engine starter. J. E. Buxton. 2,446,808, Aug. 10.
 - Gearing, Engine starter. J. E. Buxton. 2,455,327, Nov. 30.
 - Gearing, Engine starter. R. G. Dickens. 2,457,213, Dec. 28.
 - Gearing, Engine starter. J. J. Digby. 2,444,284, June 29.
 - Gearing, Engine starter. B. W. Jones. 2,457,239, Dec. 28.
 - Gearing, Engine starter. D. L. Miller. 2,450,246, Sept. 28.
 - Gearing, Engine starter. D. L. Miller. 2,455,339, Nov. 30.
 - Gearing, Engine starter. R. J. Oliver. 2,444,109, June 29.
 - Gearing, Epicyclic variable-speed. W. Brown. 2,441,989, May 25.
 - Gearing, Mixing machine. L. F. Thiel. 2,457,612, Dec. 28.
 - Gearing, Pin tooth. F. J. Woditsch. 2,448,164, Aug. 31.
 - Gearing, Variable leverage. N. Trbojevidch. 2,447,104, Aug. 17.
 - Gearing, Variable leverage. E. Wildhaber. 2,436,276, Feb. 17.
 - Gears, Controlling variable speed. H. F. Hobbs. 2,446,087, July 27.
 - Gears, Feed device for hydraulically operated change-speed. A. Kégresse. 2,440,589, Apr. 27.
 - Gears, Machine for finishing. L. H. Turner, O. F. Bauer, and L. C. Michelson. 2,445,649, July 20.
 - Geiger counter improvement. A. F. Reid. 2,442,314, May 25.
 - Gel bodies, Method and apparatus for production of. H. M. Weir. 2,455,843, Dec. 7.
 - Gel catalyst. M. J. See and J. C. Bailie. 2,455,445, Dec. 7.

- Gel catalyst, Preparation of co-precipitated. R. E. Burk and E. C. Hughes. 2,451,471, Oct. 19.
- Gel, Insulating. E. L. Sargent and R. C. Wilson, Jr. 2,448,280, Aug. 31.
- Gel manufacture. L. T. Hartlove. 2,455,764, Dec. 7.
- Gel spheroids, Preparation of hollow. E. L. Sargent. 2,449,253, Sept. 14.
- Gelatin or glue from hides and other collagen or ossein-containing material, Production of. J. Kenyon and V. Silberstein. 2,453,630, Nov. 9.
- Gelatin-silver halide photographic elements containing higher fatty alcohols. W. H. Dimsdale and K. J. Challis. 2,454,043, Nov. 16.
- Gelation process involving supersonic treatment. C. H. Schlesman. 2,457,091, Dec. 21.
- Gels, Production of. H. A. Shabaker. 2,442,784, June 8.
- Gem. M. Grain. 2,447,407, Aug. 17.
- Gem grinding and polishing tool. A. Pastore. 2,450,984, Oct. 12.
- Generating complex signals, Method and system for electronically. H. C. Curl and J. D. Kleinkauf. 2,455,472, Dec. 7.
- Generating mechanism, Rate. E. E. Garrett and W. F. Conable. 2,446,754, Aug. 10.
- Generating plant for the drive of vehicles, Electric. O. Schläpfer. 2,451,242, Oct. 12.
- Generating system. T. J. Wilson. 2,453,885, Nov. 16.
- Generating system, Oscillation. M. Morrison. 2,443,691, Generation system. W. R. Wood and E. E. Gaudet. 2,444,799, July 6.
- Generator: See—
- Acetylene generator.
 - Adjustable generator.
 - Cavity resonator electric wave generator.
 - Cross-field generator.
 - Double pulse generator.
 - Electrical alternating current generator.
 - Electrical light impulse generator.
 - Electrically operated generator.
 - Electron tube impulse generator.
 - Electronic saw-tooth pulse generator.
 - Electronic saw-tooth wave generator.
 - Electronic steam generator.
 - Foot actuated pressure generator.
 - Frequency modulated pulse generator.
 - Gas generator.
 - Harmonic generator.
 - High-frequency generator.
 - Impulse generator.
 - Magnetic sweep generator.
 - Modulated saw-tooth sweep generator.
 - Modulated-signal generator.
 - Oscillation generator.
 - Polyphase oscillation generator.
 - Pulse generator.
 - Pulse-modulated oscillation generator.
 - Resistance sine wave generator.
 - Saw-tooth voltage generator.
 - Saw-tooth wave generator.
 - Scanning reference generator.
 - Self-regulating electric steam generator.
 - Square wave generator.
 - Steam generator.
 - Subharmonic generator.
 - Surge generator.
 - Thermoelectric generator.
 - Time base sweep and intensifier pulse generator.
 - Torsional oscillation generator.
 - Ultra high frequency magnetron generator.
 - Ultraviolet ray generator.
 - Wave generator.
 - Welding generator.
- Generator and cathode construction for electricity of ultra high frequency. J. M. Carter. 2,456,861, Dec. 21.
- Generator and control, Current regulating. W. R. Harris. 2,447,648, Aug. 24.
- Generator and modulator system, Pulse. W. D. Houghton. 2,441,418, May 11.
- Generator circuit. W. A. Miller. 2,447,082, Aug. 17.
- Generator control, Electric steam. M. Eaton. 2,453,211, Nov. 9.
- Generator for pipe lines. J. H. Wood, Jr. 2,436,683, Feb. 24.
- Generator for producing periodic currents. L. Dewan. 2,440,935, May 4.
- Generator for ultra high frequencies, Tunable. D. G. Clifford and E. Pawlishen. 2,454,306, Nov. 23.
- Generator of periodically varying electric currents. P. K. Chatterjee and L. W. Houghton. 2,434,907, Jan. 27.
- Generator vacuum tube and cathode structure therefor, Ultra high frequency. J. W. McNall. 2,450,763, Oct. 5.
- Generator ventilation, Dual. C. A. Atwell and E. O. Mueller. 2,454,120, Nov. 16.
- Generator with automatic amplitude control, Saw-tooth. M. E. Ames, Jr., and D. E. Sunstein. 2,448,069, Aug. 31.
- Generator with automatic amplitude control, Saw-tooth. D. E. Sunstein. 2,448,070, Aug. 31.
- Generator with fluid cooling, Thermoelectric. S. K. Malek and M. R. Laing. 2,456,070, Dec. 14.
- Generator with pilot burner, Thermoelectric. H. T. Sparrow. 2,454,229, Nov. 16.
- Geochemical prospecting. N. P. Stevens and R. M. Squires. 2,451,885, Oct. 19.
- Geological exploration system. D. H. Clewell. 2,454,911, Nov. 30.
- Geometrical instrument. F. Vancura. 2,443,364, June 15.
- Geometrical measuring means for determining inflation pressure of loaded pneumatic tires. J. A. Beckett and S. S. Berry. 2,435,644, Feb. 10.
- Geophysical exploration by microwaves. M. Muskat and N. D. Coggeshall. 2,455,940, Dec. 14.
- Geophysical exploration of boreholes by microwaves. N. D. Coggeshall and M. Muskat. 2,455,942, Dec. 14.
- Geophysical explorations, Making. L. F. Athy. 2,452,515, Oct. 26.
- Geophysical prospecting. R. M. Squires. 2,451,883, Oct. 19.
- Geophysical prospecting in boreholes by microwaves. M. Muskat and N. D. Coggeshall. 2,455,941, Dec. 14.
- Germ preparation, Wheat. M. P. Crynis. 2,450,123, Sept. 28.
- Getter. G. H. Lockwood and D. F. Way. 2,449,786, Sept. 21.
- Getter structure. A. J. King. 2,437,097, Mar. 2.
- Getter structure for electron discharge tubes. B. F. Steiger. 2,433,962, Jan. 6.
- Gin, Cotton. J. E. Melton. 2,441,203, May 11.
- Gin, Linter. H. C. Graebe. 2,438,047, Mar. 16.
- Gin, Pole. J. A. Baker. 2,439,122, Apr. 6.
- Girdle and pantie, Combination. A. S. McAllister. 2,437,830, Mar. 16.
- Girdle, Panty. J. E. Robbins. 2,455,272, Nov. 30.
- Girdle, Posture. J. Israel. 2,443,316, June 15.
- Girth for women, Auxiliary. G. J. Leversee. 2,445,144, July 13.
- Glands, Fabricating packing. O. Jacobsen. 2,448,147, Aug. 31.
- Glare reducing device. C. B. Rearick. 2,445,153, July 13.
- Glare screen. L. A. Bell. 2,456,484, Dec. 14.
- Glare screen. M. Constant. 2,445,473, July 20.
- Glass and making same. H. R. Moulton. 2,434,281, Jan. 13.
- Glass articles, Molding. H. K. Richardson. 2,442,860, June 8.
- Glass beads, Forming. S. W. Neidorf. 2,436,819, Mar. 2.
- Glass, Blue. W. H. Armistead. 2,434,139, Jan. 6.
- Glass building block. N. C. Dryden. 2,449,458, Sept. 14.
- Glass channel retainer, Automobile door. C. C. Faust. 2,449,210, Sept. 14.
- Glass, Colored. W. H. Armistead. 2,433,882, Jan. 6.
- Glass composition. C. E. Leberknight and E. C. Ostrander. 2,454,607, Nov. 23.
- Glass cutting apparatus. W. Owen. 2,435,154, Jan. 27.
- Glass fabrics, Decoration of. C. M. Marberg. 2,450,902, Oct. 12.
- Glass fiber reinforced plastics. E. White, R. Steinman, and L. P. Biefeld. 2,446,119, July 27.
- Glass fibers, Making. G. Slayter. 2,455,908, Dec. 7.
- Glass fibers, Manufacture of. P. Ebaugh. 2,457,775, Dec. 28.
- Glass fibers, Method and apparatus for making fine. G. Slayter and E. Fletcher. 2,450,363, Sept. 28.
- Glass, Fluoroborate. K. Sun. 2,456,033, Dec. 14.
- Glass, Forming. W. A. Weyl. 2,434,303, Jan. 13.
- Glass furnace and operation. J. H. McKelvey and J. W. Rogers. 2,448,451, Aug. 31.
- Glass handling device. W. A. Philbin. 2,452,392, Oct. 26.
- Glass having low power factor. W. H. Armistead. 2,449,099, Sept. 14.
- Glass holding device. J. T. Miller. 2,455,599, Dec. 7.
- Glass manufacture. W. A. Weyl and H. S. Williams. 2,455,719, Dec. 7.
- Glass, Ophthalmic. W. H. Armistead. Re. 23,049, Nov. 23.
- Glass, Ophthalmic. W. H. Armistead. 2,433,883, Jan. 6.
- Glass, Optical. W. H. Armistead. 2,435,995, Feb. 17.
- Glass, Optical. P. F. De Paolis. 2,434,146-9, Jan. 6.
- Glass, Phosphate. J. E. Stanworth. 2,441,853, May 18.
- Glass sealing method and machine. R. K. Hansen. 2,452,652, Nov. 2.
- Glass, Silicoborate. K.-H. Sun and T. E. Callair. 2,439,192, Apr. 6.
- Glass surface against alkali attack, Protection of. W. F. West, L. R. Bacon, and T. H. Vaughn. 2,447,297, Aug. 17.
- Glass to form sheets, Rolling of. M. L. Devol. 2,444,731, July 6.
- Glass to metal seal in electrical devices. R. Gordon. 2,446,277, Aug. 3.
- Glass topped tennis table. W. G. Dieter. 2,447,743, Aug. 24.
- Glass tubing joint. H. A. Meneses. 2,453,669, Nov. 9.
- Glassware, Producing. C. W. Carlson. 2,446,359, Aug. 8.
- Glass with silica, Coating. J. A. Heany. 2,442,976, June 8.
- Glass wool and product resulting therefrom, Treating. H. H. Greger and R. F. Remler. 2,444,347, June 29.
- Glasses, Absorption. W. F. Brown. 2,444,976, July 13.
- Glasses and making same, Fluorescent silicate. H. P. Hood. 2,440,048, Apr. 20.
- Glazing and caulking material. P. L. McKee. 2,454,821, Nov. 30.
- Glazing apparatus. H. V. Schweitzer. 2,435,931, Feb. 10.
- Glazing circuitous passages, Method and apparatus for. A. E. Hoch. 2,447,337, Aug. 17.
- Glazing machine, Doughnut. M. J. Gendusa. 2,451,940, Oct. 19.
- Glazing unit. H. K. Moore. 2,441,831, May 18.
- Glide path for ground training, Automatic simulated two pointer. C. W. Muller. 2,448,544, Sept. 7.
- Glide path system for aircraft. H. P. Williams. 2,436,846, Mar. 2.
- Glide unit for furniture, Detachable. S. B. Hendrickson. 2,454,739, Nov. 23.
- Glider and cargo pickup. E. N. Kemler. 2,434,701, Jan. 20.

- Glider, Bomb carrying. L. J. Marhoefer. 2,433,998, Jan. 6.
- Glider, Circularly swung captive. J. A. A. Messier. 2,436,014, Feb. 17.
- Glider for furniture legs, Adjustable. A. R. Pura. 2,457,723, Dec. 28.
- Glider pickup apparatus. H. B. Cowgill, Jr. 2,433,893, Jan. 6.
- Glider sled. O. J. Lidberg. 2,450,285, Sept. 28.
- Glider tow indicator. C. F. Scott, G. Carlson, and E. H. Rugg. 2,451,244, Oct. 12.
- Global wheel. C. Y. Jones. 2,448,222, Aug. 31.
- Glove. J. Burkholz. 2,443,375, Feb. 15.
- Glove. B. Lembeck. 2,435,890, Feb. 10.
- Glove. E. C. Lindfelt. 2,447,951, Aug. 24.
- Glove. V. Wallis. 2,443,938, June 22.
- Glove and making the same. L. Levine. 2,434,044, Jan. 6.
- Glove and making the same, Seamless knit ambidextrous. A. C. Ackerman. 2,441,611, May 18.
- Glove, Baseball. H. B. Latina. 2,434,170-1, Jan. 6.
- Glove, Boxing. J. Golomb. 2,446,758, Aug. 10.
- Glove, Boxing. E. S. Moilanen. 2,451,685, Oct. 19.
- Glove drying apparatus, Surgical. I. D. Fenwick. 2,440,398, Apr. 27.
- Glove, Golf. J. D. Cole. 2,456,678, Dec. 21.
- Glove, Golf. E. W. Lapell. 2,436,755, Feb. 24.
- Glove, Lined rubber. W. F. Grant. 2,446,921, Aug. 10.
- Glove, Rubber. H. Malm. 2,451,758, Oct. 19.
- Glove turning machine. S. Suftko. 2,434,816, Jan. 20.
- Glove, Welding. R. Bakke. Sept. 7.
- Gloves and like articles, Making rubber. W. W. De Laney and C. J. Crowley. 2,434,035, Jan. 6.
- Glow discharge switch. D. J. H. Admiraal. 2,449,632, Sept. 21.
- Glucosides of polyoxy compounds with cyclopentane-polyhydrophenanthrene ring system as have at least one free oxy group in the sterine skeleton, Production of such. I. Bennekou. 2,455,214, Nov. 30.
- Glue composition containing vetich seed meal. G. Widmer and W. Hertner. 2,451,186, Oct. 12.
- Glue converter. F. C. Zimmerman. 2,441,610, May 18.
- Glue dispenser. F. C. Rodman and J. E. Engel. 2,457,733, Dec. 28.
- Glutamic acid-free protein hydrolysate and the production thereof. H. S. Olcott and J. C. Lewis. 2,434,715, Jan. 20.
- Glyceride oil refining with foots softening agent. B. Clayton. 2,437,075, Mar. 2.
- Glyceride oils, Hydrobleaching and hardening. W. J. Paterson. 2,437,705-6, Mar. 16.
- Glyceride oils with activated magnesium oxide, Treating. W. W. Moyer and R. A. Marmor. 2,454,937, Nov. 30.
- Glyceride oxidation inhibited by 5-pentadecyl resorcinol. H. M. Barnes. 2,448,207, Aug. 31.
- Glyceride rearrangement. E. W. Eckey. 2,442,539, June 1.
- Glycerides for use in edible fats, Treatment of. E. W. Eckey. 2,442,532, June 1.
- Glycerides, Modification of. E. W. Eckey. 2,442,535, June 1.
- Glycerides, Treatment of. E. W. Eckey. 2,442,533, June 1.
- Glycerol, Recovery of. G. I. Keim, J. Ross, and J. H. Percy. 2,444,296, June 29.
- Glycerol substitutes. K. H. W. Tuerck and H. J. Lichtenstein. 2,443,843, June 22.
- Glyceryl ether of hydrogenated cardanol. M. T. Harvey. 2,434,797, Jan. 20.
- Glycidyl esters. E. B. Kester and H. M. Preusser. 2,448,602, Sept. 7.
- Glycidyl ethers. K. E. Marple. 2,453,634, Nov. 9.
- Glycinamides, Substituted. W. F. Bruce and J. Seifter. 2,449,638, Sept. 21.
- Glycolic acid process, Continuous. M. T. Shattuck. 2,443,482, June 15.
- Glycolic ethers of hydroxylated interpolymers and their preparation. D. D. Coffman. 2,434,145, Jan. 6.
- Glycols, Stabilization of. E. C. Britton and A. R. Sexton. 2,441,795, May 18.
- Glycols, Stabilizing. E. C. Britton and A. R. Sexton. 2,441,794, May 18.
- Gocart, Collapsible. B. R. Hall. 2,455,119, Nov. 30.
- Gocart, Folding. H. A. Fiene. 2,450,373, Sept. 28.
- Goal. Hockey. L. B. Lindsay. 2,449,708, Sept. 21.
- Goggle. F. W. Maurer. 2,435,653, Feb. 10.
- Goggle, Protective. H. F. Shindel. 2,456,334, Dec. 14.
- Goggle with detachable lens. C. W. Cochran. 2,444,498, July 6.
- Goggles. J. E. Hansen. 2,443,422, June 15.
- Goggles, Headgear. C. E. Bowers. 2,445,203, July 13.
- Gold- and silver-bearing ores, residues, and other products. Treatment of. A. F. B. Norwood. 2,454,336, Nov. 23.
- Golf bag shape retaining insert. G. S. Thommen. 2,435,479, Feb. 3.
- Golf bag stand. D. Matthews. 2,449,171, Sept. 14.
- Golf ball tee. L. S. Harvey. 2,457,670, Dec. 28.
- Golf balls, Making practice. W. Grobner. 2,450,474, Oct. 5.
- Golf cart, Folding. H. F. Holcomb. 2,452,929, Nov. 2.
- Golf club. M. B. Reach. 2,457,177, Dec. 28.
- Golf club. W. R. Stone. 2,447,967, Aug. 24.
- Golf club. J. Verderber. 2,455,150, Nov. 30.
- Golf club, Adjustable. W. B. Watkins. 2,451,262, Oct. 12.
- Golf club carrier. A. W. Mall. 2,435,893, Feb. 10.
- Golf club grips. A. P. Robinson. 2,437,404, Mar. 9.
- Golf club head. E. P. Kearsley and E. J. Marciniak. 2,457,084, Dec. 21.
- Golf club, Putter type. J. R. and M. L. B. Sternberg. 2,445,718, July 20.
- Golf cup. G. F. Wales. 2,457,759, Dec. 28.
- Golf game and instructional apparatus. H. C. Dunfee. 2,453,745, Nov. 16.
- Golf game, Pitch and chip. M. D. May. 2,455,185, Nov. 30.
- Golf instructor. A. D. Sheffer. 2,455,707, Dec. 7.
- Golf practice device. W. N. Promen. 2,450,162, Sept. 28.
- Golf practice device. W. S. Seeley, Jr. 2,441,647, May 18.
- Golf putting device. O. A. Cavins. 2,456,813, Dec. 21.
- Golf putting practice apparatus, Indoor. L. C. Thomas. 2,453,605, Nov. 9.
- Golf swing indicator. A. M. Newman and R. V. Miller. 2,445,839, July 27.
- Golf target unit, Simulated. M. L. Richardson. 2,456,322, Dec. 14.
- Golf tee. H. N. Andreasen, Sr. 2,451,311, Oct. 12.
- Golf tee. S. G. Isserstedt. 2,456,511, Dec. 14.
- Golf tee. J. C. Seager. 2,455,705, Dec. 7.
- Golf teeing apparatus. J. F. Shouse. 2,450,206, Sept. 28.
- Golf training and recording apparatus. R. Crowley. 2,457,351, Dec. 28.
- Gopher trap. J. M. Abeel. 2,436,985, Mar. 2.
- Governing arrangement with servomotor. F. Wiesen-danger. 2,439,325, Apr. 6.
- Governor. R. E. Boyden and E. P. Drake. 2,442,456, June 1.
- Governor. R. R. Dulong. 2,450,037, Sept. 28.
- Governor. W. T. Fox, Jr. 2,445,321, July 20.
- Governor. R. M. Heintz. 2,442,170, May 25.
- Governor. W. E. Leibing. 2,450,199, Sept. 28.
- Governor. F. A. Zimmerman. 2,438,734, Mar. 30.
- Governor apparatus. M. Gottlieb. 2,441,811, May 18.
- Governor, Centrifugal. L. De Marco. 2,454,913, Nov. 30.
- Governor, Centrifugal speed. D. F. Warner. 2,446,861, Aug. 10.
- Governor, Centrifugally operated electric. J. T. Janette. 2,455,335, Nov. 30.
- Governor construction. J. L. Moody. 2,434,001, Jan. 6.
- Governor, Electrically controlled. C. A. Leonard. 2,454,659, Nov. 23.
- Governor, Engine. M. Mallory. 2,444,139, June 29.
- Governor for power driven air supply units. E. H. Simpson. 2,434,675, Jan. 20.
- Governor for railway vehicles, Speed. H. B. Taylor. 2,457,748, Dec. 28.
- Governor, Speed. F. W. Merrill. 2,456,979, Dec. 21.
- Governor, Speed. I. J. Snader. 2,456,746, Dec. 21.
- Governor, Speed. I. J. Snader. 2,456,748, Dec. 21.
- Governor, Speed. I. J. Snader and A. G. Forsyth. 2,456,747, Dec. 21.
- Governor, Speed. H. E. Warren. 2,454,902, Nov. 30.
- Governor (speed responsive type). W. W. Peterson. 2,454,565, Nov. 23.
- Governor, Springless. C. L. Bossmeyer. 2,433,885, Jan. 6.
- Governor, Velocity. R. Reger. 2,452,208, Oct. 26.
- Governor, Wind electric. R. A. Foulston. 2,454,440, Nov. 23.
- Governor with switch control. W. J. Williams. 2,457,192, Dec. 28.
- Gown, Safety. E. H. H. Rogers. 2,439,101, Apr. 6.
- Grab for lifting materials. S. H. Priestman. 2,445,002, July 13.
- Grade builder blade mounting. H. H. Washbond. 2,452,408, Oct. 26.
- Grading ruler, Pattern. B. Rothblum. 2,450,769, Oct. 5.
- Gradiometer, Magnetic. C. H. Fay. 2,440,503, Apr. 27.
- Graduating and measuring device for shoe lasts. H. G. Clausing. 2,456,815, Dec. 21.
- Grain blender. E. R. Evans. 2,455,572, Dec. 7.
- Grain drier. R. J. Sr., and H. Staples. 2,453,278, Nov. 9.
- Grain elevator and treating apparatus. E. T. and A. E. Johnson. 2,453,016, Nov. 2.
- Grain loading screw, Vertically adjustable. B. Stromberg. 2,434,445, Jan. 13.
- Grain, Prevention of deterioration of. C. G. P. Feachem. 2,434,204, Jan. 6.
- Grain trimming device. A. L. Carila. 2,453,408, Nov. 9.
- Graining machine. E. A. Casson. 2,440,931, May 4.
- Granular alumina, Obtaining. C. L. Faust. 2,436,509, Feb. 24.
- Granulating machine. A. T. Gardner. 2,448,214, Aug. 31.
- Granules, Making. C. W. Cuno. 2,439,650, Apr. 13.
- Granules of a dry water-soluble salt of carboxymethyl cellulose, Coated. M. Landers. 2,445,226, July 13.
- Graphic privacy system. J. V. L. Hogan and H. C. Ressler. 2,437,255, Mar. 9.
- Grapple. W. B. Baker and H. Rees. 2,435,265, Feb. 3.
- Grapple. J. Breslav. 2,445,019, July 13.
- Grapple. W. R. Girus. 2,452,452, Oct. 26.
- Grapple. A. M. Deiters. 2,457,135, Dec. 28.
- Grapple for lifting milk cans. R. A. Kreutzler. 2,447,073, Aug. 17.
- Grapple, Hoist. M. A. Long. 2,441,026, May 4.
- Grasp device. W. A. Williams. 2,447,300, Aug. 17.
- Grass catcher, Automatic. B. E. De Vol. 2,440,934, May 4.
- Grate. G. R. Munro and G. Pelikan. 2,444,362, June 29.

- Grate for kitchen ranges. E. H. Williams and P. F. Tunke. 2,440,035, Apr. 20.
- Grater, Food. L. D. Richards. 2,447,714, Aug. 24.
- Grating and making the same. T. Collins. 2,437,186, Mar. 2.
- Grating structure. R. Wisely. 2,454,583, Nov. 23.
- Graveling wells. E. P. Hayes and A. D. Garrison. 2,452,654, Nov. 2.
- Grease- and moisture-proof coated paperboard, Making. S. Bergstein. 2,443,221, June 15.
- Grease composition. P. R. McCarthy. 2,457,582, Dec. 28.
- Grease composition. J. F. McGrogan. 2,457,586, Dec. 28.
- Grease composition. G. M. McNulty and J. C. Zimmer. 2,433,861, Jan. 6.
- Grease composition. R. L. Merker. 2,456,642, Dec. 21.
- Grease composition. J. C. Zimmer and G. W. Duncan. 2,444,970, July 13.
- Grease composition, Lubricating. A. Beerbower and J. C. Zimmer. 2,449,580, Sept. 21.
- Grease compositions. J. C. Zimmer and A. J. Morway. 2,436,347, Feb. 17.
- Grease compositions. W. A. Zisman and G. M. Hain. 2,448,567, Sept. 7.
- Grease compositions, Block. P. R. McCarthy. 2,450,149, Sept. 28.
- Grease compositions, Stabilized. J. G. Detwiler. 2,443,026, June 8.
- Grease gun charger. F. F. and R. D. Funk. 2,443,981, June 22.
- Grease-gun head construction. E. P. Sundholm. 2,436,701, Feb. 24.
- Grease interceptor. S. J. Grum. 2,453,219, Nov. 9.
- Grease, Lithium base. O. P. Puryear and H. V. Ashburn. 2,450,254, Sept. 28.
- Grease, Lubricating. A. J. Morway and J. C. Zimmer. 2,453,153, Nov. 9.
- Grease, Shear-resistant. H. V. Ashburn, R. S. Barnett, and O. P. Puryear. 2,450,221, Sept. 28.
- Grease, Texture-stable lithium base. H. V. Ashburn and O. P. Puryear. 2,450,219, Sept. 28.
- Grease, Texture-stable lithium base. H. V. Ashburn and O. P. Puryear. 2,450,220, Sept. 28.
- Greases and making the same, Lubricating. H. M. Fraser. 2,455,892, Dec. 7.
- Greases, Block. G. W. Murray and C. D. Thayer. 2,449,312, Sept. 14.
- Greases, Lubricating. H. G. Smith, M. L. Hill, and C. M. Peck. 2,442,828, June 8.
- Greases, Novel. F. J. Licata. 2,448,720, Sept. 7.
- Greases, Production of. A. A. Bondi. 2,445,935, July 27.
- Greases, Rust-inhibiting. E. T. White and R. C. Robinson. 2,450,321, Sept. 28.
- Greases, Shear-resistant. H. V. Ashburn, R. S. Barnett, and O. P. Puryear. 2,450,222, Sept. 28.
- Grease, Synthetic. E. R. White and D. Harman. 2,451,895, Oct. 19.
- Greases, Water-proofing of lubricating. R. A. Butcosk. 2,445,936, July 27.
- Green peas, Treatment of. M. E. Dunkley. 2,437,155, Mar. 2.
- Grenade. F. Short. 2,447,036, Aug. 17.
- Grenade device, Tree suspension. C. R. Weinert. 2,447,971, Aug. 24.
- Grenade, Hand. T. Petersén. 2,437,001, Mar. 2.
- Grenade launcher. J. C. Garand. 2,455,361, Dec. 7.
- Grenade mine. L. K. Liljegen and J. W. Moseman, Jr. 2,453,715, Nov. 16.
- Grid cap. H. Wilkie. 2,453,172, Nov. 9.
- Grid construction. Z. J. Atlee. 2,457,626, Dec. 28.
- Grid-controlled rectifier circuit. H. J. McCreary. 2,451,344, Oct. 12.
- Grid controlled rectifier tube. C. P. Smith. 2,443,121, June 8.
- Grid for fluid fuel stoves. E. J. Thomes. 2,444,862, July 6.
- Grid for Gelger-Mueller tubes, Protective. H. Metten. 2,452,524, Oct. 26.
- Grid for ice trays. R. L. Hallock. 2,449,743, Sept. 21.
- Grid structure. W. B. Reed. 2,452,069, Oct. 26.
- Grid structure for electron discharge tubes. W. H. Bussey. 2,447,796, Aug. 24.
- Grid structure in electron discharge devices. A. J. Gerner. 2,434,494, Jan. 13.
- Grid winding machine, Automatic. G. G. Schneider and P. L. Donohue. 2,441,228, May 11.
- Grids, Making. J. W. Skehan. 2,451,360, Oct. 12.
- Grids, Method and apparatus for winding. R. Denmark. 2,438,113, Mar. 23.
- Grill, Broiler. I. K. Bennett. 2,439,283, Apr. 6.
- Grill, Hamburger. C. C. Rone. 2,453,385, Nov. 9.
- Grill or stove, Outdoor convertible. S. A. Pospisil. 2,435,323, Feb. 3.
- Grille. W. W. Singleton. 2,434,232, Jan. 6.
- Grille, Outlet. G. R. Goldthwaite. 2,456,058, Dec. 14.
- Grinder. L. O. French. 2,445,138, July 13.
- Grinder, Adjustable internal expansion. S. R. Keller. 2,448,600, Sept. 7.
- Grinder, Adjustable internal expansion. S. R. Keller. 2,455,065, Nov. 30.
- Grinder and polisher, Internal. H. H. Talboys. 2,442,624, June 1.
- Grinder, Car wheel. E. E. Swanee. 2,456,753, Dec. 21.
- Grinder, Centerless. H. S. Indge. 2,439,303, Apr. 6.
- Grinder, Form relief. P. A. Saari and H. A. Rugg. 2,447,138, Aug. 17.
- Grinder having a perforated disc, a presser plate, and a rotary knife, Food. E. V. Taylor. 2,439,028, Apr. 6.
- Grinder, Lens edge. R. C. Uhlemann. 2,437,567, Mar. 9.
- Grinder machine. E. F. Hager. 2,453,573, Nov. 9.
- Grinder machine of the endless work-piece type. L. Illmer and V. R. Pallas. 2,441,243, May 11.
- Grinder, Needle. F. Crossman, E. A. Southam, and G. J. Ruhl. 2,457,644, Dec. 28.
- Grinder, Pipe. R. P. Dorian. 2,455,742, Dec. 7.
- Grinder, Pipe. O. R. Hall. 2,455,762, Dec. 7.
- Grinder, Portable crank journal. W. F. Emory. 2,447,117, Aug. 17.
- Grinder, Rotor. J. H. Hoern and C. G. Pardee. 2,456,060, Dec. 14.
- Grinder, Sickle blade. L. O. Greeley. 2,456,827, Dec. 21.
- Grinder, Surface. J. W. Parker. 2,456,079, Dec. 14.
- Grinder, Tungsten carbide tool. F. P. Slater. 2,457,283, Dec. 28.
- Grinder, Valve seat. J. S. Klein, Jr. 2,434,463, Jan. 13.
- Grinder, Valve seat. W. A. Kuhlman. 2,454,068, Nov. 16.
- Grinding and lapping, Method and apparatus for. J. C. Wilson. 2,436,466, Feb. 24.
- Grinding and polishing machine. C. Delafontaine and F. W. Kotler. 2,454,597, Nov. 23.
- Grinding apparatus. H. E. Blasier. 2,445,557, July 20.
- Grinding apparatus. J. C. Curtis. 2,448,019, Aug. 31.
- Grinding apparatus. W. O. Dennis. 2,437,850, Mar. 16.
- Grinding apparatus. A. E. Hamilton. 2,442,042, May 25.
- Grinding apparatus and process. L. Duncan. 2,436,252, Feb. 17.
- Grinding apparatus mounted on an overhanging shaft. A. C. Lind and R. E. Klein. 2,440,051, Apr. 20.
- Grinding apparatus with upper gyratory drive. G. N. Rowley. 2,456,150, Dec. 14.
- Grinding compositions. J. Y. Snyder. 2,443,698, June 22.
- Grinding device, Lathe. J. B. Koett. 2,453,020, Nov. 2.
- Grinding fixture. T. Teclu. 2,451,588, Oct. 19.
- Grinding fixture, Perforator. T. Eckert. 2,449,459, Sept. 14.
- Grinding fixture, Threading tool. R. F. Grieco. 2,448,309, Aug. 31.
- Grinding machine. J. A. Elmes and H. F. Johnson. 2,445,391, July 20.
- Grinding machine. C. G. Flygare, E. D. La Fleur, and H. A. Silven. 2,436,561, Feb. 24.
- Grinding machine. J. I. Garside. 2,455,004, Nov. 30.
- Grinding machine. G. M. Green. 2,442,683, June 1.
- Grinding machine. G. F. Johnson. 2,434,245, Jan. 13.
- Grinding machine. S. E. Schroeder. 2,448,551, Sept. 7.
- Grinding machine. J. G. Thompson. 2,435,059, Jan. 27.
- Grinding machine. W. Umbdenstock. 2,445,194, July 13.
- Grinding machine. P. H. Walther. 2,436,535, Feb. 24.
- Grinding machine. J. H. Worthen. 2,441,784, May 18.
- Grinding machine and footstock thereof. E. Bugatti. 2,456,252, Dec. 14.
- Grinding machine and other rotary abrasive or cutting machine. E. C. Fielding. 2,435,622, Feb. 10.
- Grinding machine attachment, Centerless. A. F. Madison. 2,440,148, Apr. 20.
- Grinding machine, Ball. H. A. Toulmin, Jr. 2,438,239, Mar. 23.
- Grinding machine, Cam. H. W. Brown. 2,452,989, Nov. 2.
- Grinding machine, Crankpin. F. W. Foudy. 2,455,002, Nov. 30.
- Grinding machine, Crankpin. E. D. La Fleur. 2,454,186, Nov. 16.
- Grinding machine, Cylindrical. H. A. Silven. 2,448,283, Aug. 31.
- Grinding machine, Cylindrical. H. A. Silven. 2,453,678, Nov. 9.
- Grinding machine, Drill. W. Umbdenstock. 2,452,702-3, Nov. 2.
- Grinding machine for operating upon workpieces. H. N. Seyferth. 2,439,106, Apr. 6.
- Grinding machine for work pieces each having a hollow spherical section, Contour. C. E. White. 2,451,137, Oct. 12.
- Grinding machine, Gear. I. J. Gruenberg and S. G. Brady. 2,456,410, Dec. 14.
- Grinding machine, Internal. C. C. Stevens. 2,457,743, Dec. 28.
- Grinding machine, Knife blade. H. W. Barnard, C. O. Johnson, and F. P. Carey. 2,456,482, Dec. 14.
- Grinding machine, Portable pin. F. S. Floeter. 2,457,359, Dec. 28.
- Grinding machine with automatic crush dressing mechanism. L. F. Polk. 2,457,318, Dec. 28.
- Grinding machine with wheel dresser. J. W. Rundt. 2,447,478, Aug. 17.
- Grinding machines, Arrangement in. K. W. J. Hjelmblad. 2,452,123, Oct. 26.
- Grinding, Method and apparatus for. H. W. Wagner and G. J. Wickstrom. 2,434,679, Jan. 20.
- Grinding or like machines. H. Livingstone and W. E. Rogers. 2,437,106, Mar. 2.
- Grinding or polishing of gears or other work. S. S. Cook and L. M. Douglas. 2,443,227, June 15.
- Grinding propeller shanks. F. A. Gruetjen. 2,452,926, Nov. 2.

- Grinding tool. P. Weynand. 2,443,489, June 15.
 Grinding wheel. L. F. Carr. 2,438,203, Mar. 23.
 Grinding wheel. L. H. Metzger, W. B. Muse, and F. J. Pease. 2,455,597, Dec. 7.
 Grinding wheel dresser. L. O. Greeley. 2,437,599, Mar. 9.
 Grinding wheel dresser. E. A. Overstedt. 2,439,263, Apr. 6.
 Grinding wheel dresser. A. Smith. 2,452,398, Oct. 26.
 Grinding wheel dressing tool. F. M. Bley. 2,442,453, June 1.
 Grinding wheel spindle positioning and reciprocating mechanism. L. A. Kasperson. 2,444,010, June 22.
 Grinding wheel truing apparatus. C. G. Flygare. 2,443,789, June 22.
 Grinding wheels, especially on grinding machines, Mounting of. E. Bugatti. 2,451,658, Oct. 19.
 Grip. R. I. Sanderson. 2,450,094, Sept. 28.
 Grip and holder, Electrode. I. M. Matson. 2,453,244, Nov. 9.
 Grip clasp for fishing rods. H. S. Bozorth, Jr. 2,443,946, June 22.
 Grip for auto tires, Skidless steel. L. Paraskevas. 2,448,730, Sept. 7.
 Grip for fishing rod handles, Rear. R. A. Thompson, E. E. Eriksson, and J. Carlson. 2,454,529, Nov. 23.
 Grip for insulators, Conductor. H. S. Sines. 2,438,233, Mar. 23.
 Grip for kitchen utensils. G. A. Novak. 2,457,394, Dec. 28.
 Grip for portable fire extinguishers, Squeeze. F. B. Allen. 2,454,621, Nov. 23.
 Grip for steel drums or the like. L. Poglein. 2,439,907, Apr. 20.
 Grip for tensile testing machines, Wedge. J. Miklowitz. 2,447,660, Aug. 24.
 Grip mechanism for testing machines. R. I. Sanderson and E. R. Trostle. 2,449,955, Sept. 21.
 Grip nut. E. M. Giles. 2,454,443, Nov. 23.
 Grip, Safety type ski towrope. G. Makaroff. 2,446,710, Aug. 10.
 Gripper for square bottomed paper bag forming machines, Side. A. O. Sohn. 2,450,309, Sept. 28.
 Gripper, Golf club. P. H. Gerrits. 2,447,328, Aug. 17.
 Gripper mechanism. R. H. Lawson. 2,454,876, Nov. 30.
 Gripper mechanism for printing presses. W. W. Davidson, N. Trydal, and F. J. Breman. 2,436,765, Feb. 24.
 Gripping device for automatic lathes. A. Bechler. 2,443,220, June 15.
 Gripping device for bed clothing. O. A. Huber. 2,435,082, Jan. 27.
 Gripping means for game balls. A. Park. 2,448,731, Sept. 7.
 Gripping means for hydraulic ram type of metal shaping presses. B. Lermont. 2,441,707, May 18.
 Gripping means for removing trees. J. W. MacClatchie. 2,440,180, Apr. 20.
 Gripping unit for mop shaking machines, Mop. C. Turnpseed. 2,453,948, Nov. 16.
 Grips for handles, Producing. A. J. Turner. 2,446,622, Aug. 10.
 Grips for perforated records, Woven sensing. J. W. Armbruster. 2,448,759, Sept. 7.
 Grips for perforated records, Woven sensing. J. W. Armbruster. 2,448,760, Sept. 7.
 Grit blending and spreading machine. C. A. Fritch. 2,445,027, July 13.
 Grooved caps, Method and apparatus for making. L. G. Zesbaugh. 2,442,527, June 1.
 Grooved slip ring. D. Sprague. 2,446,673, Aug. 10.
 Grooves in pasteboard sheets, Machine for pressing. A. K. A. Johansson. 2,446,594, Aug. 10.
 Grooving machine. P. A. Abe. 2,441,915, May 18.
 Grooving machine, Shoe shank. A. Rayon. 2,449,321, Sept. 14.
 Grommet, Rubber. E. V. Schneider. 2,456,087, Dec. 14.
 Ground connecting device. A. H. Naef. 2,449,313, Sept. 14.
 Ground-fault protective relaying system. S. L. Goldsborough. 2,445,429, July 20.
 Ground line bond. F. G. Ridgers and C. W. Cassels. 2,434,123, Jan. 6.
 Ground speed indicator. C. S. Franklin. 2,442,765, June 8.
 Ground speed indicator. F. F. Hauptman. 2,434,694, Jan. 20.
 Grounding system for gas tank welders. W. A. Sandberg. 2,439,371, Apr. 6.
 Grout projecting apparatus. J. M. Crom. 2,444,811, July 6.
 Grouting device. R. S. Stephens. 2,440,921, May 4.
 Growth poisoning sewer joint. R. F. Therrien. 2,449,731, Sept. 21.
 Guanamine compounds, A. Grün. 2,447,175-7, Aug. 17.
 Guanidine nitrate, Purification of. C. E. Funk, Jr. 2,454,644, Nov. 23.
 Guanamines and their manufacture, High Molecular. J. Guanamines, Preparing. D. E. Nagy. 2,446,980, Aug. 10.
 Binder. See Journal box and dust guard.
 Guard attachment for ironing boards, Clothes. F. P. Hammell. 2,454,381, Nov. 23.
 Guard, Broiler pan. C. A. Pierson. 2,456,988, Dec. 21.
 Guard, Caster. G. Voss and V. G. Ellis. 2,450,062, Sept. 28.
 Guard, Chip. J. Paraschuck. 2,451,574, Oct. 19.
 Guard, Crib and bed. B. Newman. 2,455,340, Nov. 30.
 Guard device for lock mechanism. N. J. Ressetar. 2,439,099, Apr. 6.
 Guard for electric cord take-up reels, Dust. B. J. Tamarin. 2,443,701, June 22.
 Guard for fastening inserting machines, Driver. R. H. Lawson. 2,455,371, Dec. 7.
 Guard for fishhooks, Weed. H. M. Helmark. 2,450,796, Oct. 5.
 Guard for power take-off shafts of tractors, Protective. R. W. Lidington. 2,451,440, Oct. 12.
 Guard for presses and the like, Safety. H. E. Dickerman. 2,443,726, June 22.
 Guard for presses, Safety. P. J. Murcko. 2,440,111, Apr. 20.
 Guard, Lamp. F. M. Pike. 2,448,582, Sept. 7.
 Guard, Leg. L. L. Bredin. 2,434,064, Jan. 6.
 Guard, Machine-tool. E. J. Kearney. 2,443,734, June 22.
 Guard means for fluorescent lights. E. Schneiderman and D. Tamburi. 2,448,236, Aug. 31.
 Guard, Noninterlocking bumper. H. R. Conner. 2,453,362, Nov. 9.
 Guard, Pilot burner. A. C. Schickler. 2,434,627, Jan. 13.
 Guardrail, Safety. F. Schaefer. 2,449,326, Sept. 14.
 Guard, Safety. N. Siegel. 2,440,728, May 4.
 Guard, Sanitary cow. J. L. Cleveland. 2,453,302, Nov. 9.
 Guard, Saw. L. C. Hall. 2,439,568, Apr. 13.
 Guard, Shoe cleaning. H. Cronin. 2,436,953, Mar. 2.
 Guard, Splash. G. Martinelli and H. M. McMann. 2,456,206, Dec. 14.
 Guard, Switch terminal. E. N. Jacobi. 2,445,949, July 27.
 Guard, Trailer ball bolt. E. L. Walkowiak. 2,446,347, Aug. 3.
 Guide, Adjustable dead lever. A. F. Coulter. 2,448,419, Aug. 31.
 Guide, Applicator's. E. Parkhurst. 2,446,950, Aug. 10.
 Guide, Band. L. Hornbostel. 2,439,251, Apr. 6.
 Guide band blade. A. A. Kottmann and F. Rohlfing. 2,434,884, Jan. 20.
 Guide bar mounting for knitting machines, Thread. G. O. Young. 2,451,187, Oct. 12.
 Guide construction for movable tank tops. F. L. Plummer. 2,450,986, Oct. 12.
 Guide for braider carriers, Yarn. J. P. King. 2,437,539, Mar. 9.
 Guide for commode tanks, Spring type. L. E. Phelps. 2,450,609, Oct. 5.
 Guide for correcting typewriting. R. L. Pyner. 2,444,673, July 6.
 Guide for drill chucks. H. J. Willmott. 2,450,066, Sept. 28.
 Guide for gun barrels, Cleaner rod. H. F. Pearson and L. T. Bentzien. 2,447,869, Aug. 24.
 Guide for running flexible material. J. B. Lyle. 2,442,817, June 8.
 Guide for step-by-step switches, Split ring cord. V. F. Miller. 2,457,588, Dec. 28.
 Guide for templates, Auxiliary roller. E. F. Krohn. 2,456,789, Dec. 21.
 Guide for typewriters or like machines, Ribbon. D. H. Collins. 2,442,232, May 25.
 Guide for typewriters or like machines, Ribbon. A. E. Davis. 2,442,233, May 25.
 Guide for typewriters or like machines, Ribbon. L. C. Myers. 2,442,245, May 25.
 Guide for typewriters or like machines, Ribbon. L. C. Myers and W. Graepel. 2,442,244, May 25.
 Guide for vehicle bodies, Window. J. H. Roethel. 2,447,990, Aug. 24.
 Guide, Frenum. J. A. Freel. 2,437,812, Mar. 16.
 Guide, Index. C. E. Jones. 2,435,221, Feb. 3.
 Guide, Magnetic cap. D. W. Thomas. 2,440,030, Apr. 20.
 Guiding means for shoe sewing machines, Work. F. Ashworth. 2,435,193, Feb. 3.
 Guide mechanism. H. D. Haley. 2,434,210, Jan. 6.
 Guide, Parking. H. B. Squires. 2,452,161, Oct. 26.
 Guide, Ram. H. Terhune. 2,455,875, Nov. 16.
 Guide, Strand. S. S. Rowe. 2,434,227, Jan. 6.
 Guide, Surgical pin. D. F. Pincock. 2,434,431, Jan. 13.
 Guide, Thread. V. E. Gonsalves. 2,448,217, Aug. 31.
 Guide, Thread. S. C. Nelson. 2,440,151, Apr. 20.
 Guide, Tool. S. F. Dudrick. 2,448,361, Aug. 31.
 Guide, Typewriter paper. B. Rubin. 2,434,866, Jan. 20.
 Guide, Window glass channel. D. C. Bailey. 2,446,516, Aug. 10.
 Gum breaking machine. C. E. Melhorn. 2,453,805, Nov. 16.
 Gum, Chewing. E. P. Fenimore. 2,438,551, Mar. 30.
 Gummed units, Running direct process. H. L. Dempsey. 2,449,770, Sept. 21.
 Gumming machine. W. C. Marsh. 2,444,878, July 6.
 Gun and cartridge, Well casing perforating. I. J. McCullough. 2,456,977, Dec. 21.
 Gun and gunner's chair mounting. J. S. Smithson. 2,434,724, Jan. 20.
 Gun, Automatic air pressure. I. A. Goldman. 2,442,648, June 1.
 Gun barrel and stock, Interchangeable. A. J. Pope. 2,447,091, Aug. 17.

- Gun barrel lock. C. G. Swebilus. 2,437,137, Mar. 2.
 Gun battery with ammunition feed means. J. C. Trotter. 2,444,884, July 6.
 Gun charger, Semiautomatic hydraulic-electric. J. M. Boshka, G. A. Goepfrich, and F. V. Kuznitz. 2,440,071, Apr. 20.
 Gun control compensating mechanism. F. W. Cunningham. 2,457,532, Dec. 28.
 Gun counter-recoil assist mechanism. F. F. Ruau. 2,444,852, July 6.
 Gun, Grease. M. O. Engseth. 2,435,647, Feb. 10.
 Gun, Injector. C. A. Martin. 2,442,703, June 1.
 Gun mount. M. C. Spencer. 2,452,076, Oct. 26.
 Gun mount for land and water vehicles. H. W. Evans. 2,441,874, May 18.
 Gun mount, Mobile. W. H. D'Ardenne, W. Devore, R. W. Wolf, and T. E. Boyd. 2,439,564, Apr. 13.
 Gun perforator. W. E. Neal. 2,436,118, Feb. 17.
 Gun primer mechanism. J. R. Oliver. 2,457,266, Dec. 28.
 Gun recoil mechanism. D. L. Meyers and A. A. Kester. 2,442,371, June 1.
 Gun recoil spring surge dampener. V. F. Lucht. 2,454,818, Nov. 30.
 Gun, Recoilless. L. V. S. Blacker. 2,456,812, Dec. 21.
 Gun, Recoilless. W. B. Pope. 2,438,297, Mar. 23.
 Gun sight. S. H. Crossman. 2,445,314, July 20.
 Gun sight. R. H. Jefferies. 2,433,909, Jan. 6.
 Gun sight. E. C. Neal. 2,444,844, July 6.
 Gun sight. E. B. Rogers. 2,445,087, July 13.
 Gun sight. W. E. P. Schulz. 2,436,453, Feb. 24.
 Gun sight control, Electrical. P. R. Wheeler. 2,455,963, Dec. 14.
 Gun sight having a plurality of illuminated reticles. L. H. Brown. 2,453,697, Nov. 16.
 Gun sight, Multiple reticle collimating. L. H. Brown. 2,450,712, Oct. 5.
 Gun sight reticle producing apparatus, Portable. S. P. Leeper. 2,455,372, Dec. 7.
 Gun sight training device. A. Blood and A. P. Glenney. 2,442,748, June 8.
 Gun sighting and training apparatus. B. D. Willis. 2,446,816, Aug. 3.
 Gun-sling. F. P. Sloan. 2,446,197, Aug. 3.
 Gun, Soldering. F. Dunham. 2,452,360, Oct. 26.
 Gun, Spray. W. M. Spreng. 2,448,159, Aug. 31.
 Gunstock, Adjustable. E. R. Wittman. 2,453,394, Nov. 9.
 Gunstock, Collapsible auxiliary. H. G. Howard. 2,441,487, May 11.
 Gun, Stud welding. A. M. Candy. 2,451,152, Oct. 12.
 Gun, Stud-welding. A. P. Varela. 2,439,830, Apr. 20.
 Gun, Suction. G. Washington, Jr. 2,451,593, Oct. 19.
 Gun supporting mechanism. J. C. Christian. 2,454,502, Nov. 23.
 Gun trap. H. B. Koch and J. U. Lehn. 2,456,957, Dec. 21.
 Gun tubes, breech rings and coupling means therefor. W. Summerbell. 2,445,339, July 20.
 Gun turret. C. D. Knowlton. 2,457,242, Dec. 28.
 Gun, Welding. H. V. Beronius. 2,456,106, Dec. 14.
 Gun, Welding. C. Senn. 2,457,608, Dec. 28.
 Gunnery training apparatus. F. Waller, W. R. Dresser, and R. R. Swain. 2,445,982, July 27.
 Guns, Operating electron. J. Hillier. 2,444,700, July 6.
 Guns, Sighting device for air-target. W. C. L. Haubroe. 2,441,147, May 11.
 Gusset, Zipped-in underarm. W. T. Previdi. 2,447,989, Aug. 24.
 Gutter for automobile windows. Rain. R. V. Martin. 2,451,399, Oct. 12.
 Gutter, Sink strainer. L. M. Campbell. 2,441,752, May 18.
 Gypsum board and like gypsum products and products of such process, Making. C. H. Cuppett. 2,442,321, May 25.
 Gyroscopic impact ball mill. L. G. Symons. 2,433,872, Jan. 6.
 Gyroscopic screen. F. J. Berry. 2,456,248, Dec. 14.
 Gyro assembly, Self-compensating. B. B. K. Morse. 2,448,905, Sept. 7.
 Gyro-controlled stabilizing system. J. W. Dawson. 2,433,837, Jan. 6.
 Gyrocompass, Stabilized. W. Bolster. 2,441,556, May 18.
 Gyro, Directional. J. E. Lundberg. 2,451,230, Oct. 12.
 Gyro for aviation trainers, Simulated directional. G. Lowkrantz. 2,443,076, June 8.
 Gyro top. W. T. Pearson. 2,435,364, Feb. 3.
 Gyro, Two-axis rate. G. H. Stoner. 2,452,335, Oct. 26.
 Gyroscope controlling means. R. Haskins, Jr. 2,446,180, Aug. 3.
 Gyroscope construction. F. P. Strother. 2,446,727, Aug. 10.
 Gyroscope erecting and caging mechanism. R. Alkan. 2,441,307, May 11.
 Gyroscope erection system. H. G. Hamilton. 2,438,213, Mar. 23.
 Gyroscope precessor and follow-up. E. J. Poltras and J. D. Tear. 2,456,020, Dec. 14.
 Gyroscope stabilizing mechanism. C. T. Davenport. 2,439,418, Apr. 13.
 Gyroscope system. G. L. H. Herondelle. 2,457,150, Dec. 28.
 Gyroscopes, Caging mechanism for. J. Kissel. 2,441,157, May 11.
 Gyroscopic control apparatus for air and other craft. J. P. Brown. 2,440,713, May 4.
 Gyroscopic flight indicating instrument. T. O. Summers, Jr. 2,437,175, Mar. 2.
 Gyroscopic flight instrument. S. Kellogg. 2nd. 2,452,473, Oct. 26.
 Gyroscopic instrument. F. D. Braddon and L. F. Beach. 2,450,875, Oct. 12.
 Gyroscopic instrument. M. G. Greenland. 2,435,581, Feb. 10.
 Hacksaw. L. A. Wieland. 2,448,286, Aug. 31.
 Hacksaw, Multiple blade. T. Donnelly. 2,450,942, Oct. 12.
 Hairbrush, Electric. T. S. Morris. 2,446,236, Aug. 3.
 Hair brushing device. G. Maniglia. 2,447,953, Aug. 24.
 Hair clamp. I. G. Wagle. 2,452,814, Nov. 2.
 Hair clip. F. C. Ghisletta. 2,449,845, Sept. 21.
 Hair clip. A. Linder. 2,444,519, July 6.
 Hair clippers, Holder and sterilizer for. J. Schultz. 2,441,229, May 11.
 Hair curl pin. D. O. Cross. 2,457,303, Dec. 28.
 Hair curler. E. Eppich. 2,450,542, Oct. 5.
 Hair curler. T. C. Grant. 2,452,456, Oct. 26.
 Hair curler. L. King. 2,454,459, Nov. 23.
 Hair curler. I. Meohas. 2,436,523, Feb. 24.
 Hair curler. R. J. Mott. 2,438,618, Mar. 30.
 Hair curler. A. A. Norin and F. D. Reynolds. 2,456,645, Dec. 21.
 Hair curler. D. B. Redward and C. J. Peterson. 2,450,560, Oct. 5.
 Hair curler. V. J. Rodite. 2,441,904, May 18.
 Hair curler and clip assembly. E. J. Saucier. 2,443,544, June 15.
 Hair curler, Ringlet. F. Interrante. 2,449,301, Sept. 14.
 Hair curling device. P. T. Colocchia. 2,452,225, Oct. 26.
 Hair curling device. F. Susi. 2,457,414, Dec. 28.
 Hair curling device. H. C. Whittaker. 2,435,664, Feb. 10.
 Hair cutting machine with adjustable cut regulator. F. Majer. 2,445,530, July 20.
 Hair dressing, Abietate ester. A. L. Omohundro and E. C. Fanto. 2,440,555, Apr. 27.
 Hairdressing accessory. J. A. Sewol. 2,444,378, June 29.
 Hair dressing device. E. L. Kline. 2,446,424, Aug. 3.
 Hairdressing instrument. J. Giarratano. 2,443,729, June 22.
 Hairdressing ring. S. Kovacs and D. J. Fulkerson. 2,445,071, July 13.
 Hair drier. R. R. Austin. 2,453,179, Nov. 9.
 Hair drier. R. L. Bauer. 2,456,669, Dec. 21.
 Hair drier. O. D'Emilio. 2,449,205, Sept. 14.
 Hair drier. A. G. Thomas. 2,437,366, Mar. 9.
 Hair drier. T. W. Watkins. 2,444,481, July 6.
 Hair fillet, Ornamental. J. T. Webster. 2,455,715, Dec. 7.
 Hair net. N. L. Solomon. 2,453,043, Nov. 2.
 Hair, Permanently waving. E. G. McDonough and V. M. McGoldrick. 2,434,279, Jan. 13.
 Hairpin. E. H. Butler. 2,437,502, Mar. 9.
 Hairpin. W. H. Rothe. 2,439,436, Apr. 13.
 Hairpin dispenser. C. Frank. 2,441,352, May 11.
 Hairpin holder. A. K. Stevens. 2,452,400, Oct. 26.
 Hairpin opener. E. W. Turner. 2,445,373, July 20.
 Hairpin receptacle. A. E. Rosenthal. 2,436,607, Feb. 24.
 Hair retainers, Making. L. T. Sawyer. 2,450,448, Oct. 5.
 Half-tone relief imbibition matrices, Producing. R. E. Rice. 2,446,193, Aug. 3.
 Halide emulsions, Photographic silver. R. K. Blake. 2,449,836, Sept. 21.
 Halides, Manufacture of lead. H. S. Davidson and L. J. Gagliano. 2,447,742, Aug. 24.
 Halo nitroparaffin modified aminoplasts. M. J. Scott. 2,457,405, Dec. 28.
 Halo nitroalcohol modified aminoplasts. M. J. Scott. 2,457,406, Dec. 28.
 Halocycloalkanes, Production of. L. Schmerling. 2,447,139, Aug. 17.
 Halogen derivatives of polymerized methyl pentadiene, Solid. J. D. Calfee and R. M. Thomas. 2,447,610, Aug. 24.
 Halogen from coumarone indene polymers, Removing. H. M. Stanley, F. E. Salt, and J. F. Williams. 2,448,127, Aug. 31.
 Halogenated condensation products. J. B. Niederl. 2,435,014, Jan. 27.
 Halogenated fluoroalkanes, Preparation of highly. P. R. Austin. 2,449,360, Sept. 14.
 Halogenated hydrocarbons and their preparation. W. E. Hanford, and R. M. Joyce, Jr. 2,440,800, May 4.
 Halogenated hydrocarbons, Catalytic oxidation of. W. E. Vaughan and F. F. Rust. 2,446,797, Aug. 10.
 Halogenated olefins, Production of. G. H. Morey and B. F. Taylor. 2,453,089, Nov. 10.
 Halogenated pyran compounds and production thereof. D. G. Jones and J. G. M. Bremner. 2,455,776, Dec. 7.
 Halogenophenylthio-2,3-epoxypropanes, and halogenophenylthio-2,3-propanediols. E. W. Bousquet. 2,434,099, Jan. 6.
 Halogenopyrimidine derivatives. F. H. S. Curd, M. I. Hall, E. C. Owen, F. L. Rose, and G. A. P. Tuey. 2,443,304, June 15.
 Halter for cattle, Breaking lead. J. G. Lawrence. 2,457,246, Dec. 28.
 Halter (for women). S. D. Koret. 2,437,541, Mar. 9.
 Hamburger apportioning, forming, and wrapping machine. K. E. Bemis. 2,452,218, Oct. 26.

- Hammer attachment for rotary drills. J. J. Mohr. 2,442,140, May 25.
- Hammer, Dental and surgical. W. A. Arnesen, B. Hertweck, and S. W. Doty. 2,437,014, Mar. 2.
- Hammer, Drop. T. C. Cooke. 2,449,454, Sept. 14.
- Hammer, Drop. R. P. Fitzgerald. 2,449,647, Sept. 21.
- Hammer, Electric. C. Brown and W. F. Parke. 2,448,210, Aug. 31.
- Hammer, Electric. B. W. Snodgrass. 2,434,725, Jan. 20.
- Hammer, Power. R. Worth. 2,447,886, Aug. 24.
- Hammer, Shock absorbing. A. H. Heinrich. 2,451,217, Oct. 12.
- Hammer, stamp, and the like, Drop. F. Emanuel. 2,450,189, Sept. 28.
- Hammer, Stapling. N. R. Libert. 2,441,120, May 4.
- Hammering device. W. C. Wymer. 2,456,662, Dec. 21.
- Hand and power operated steering gear. F. M. Brown. 2,433,826, Jan. 6.
- Handbag for baby accessories, Waterproof foldable. I. Holland. 2,447,940, Aug. 24.
- Handbag frame assembly. S. Giordano. 2,437,597, Mar. 9.
- Handbag, Lady's. M. Ackerman. 2,448,404, Aug. 31.
- Handbag lock. A. Konelsky. 2,453,021, Nov. 2.
- Handbag provided with removable, washable cover. E. A. Czup. 2,437,382, Mar. 9.
- Hand beading tool. E. A. Forcier. 2,453,126, Nov. 9.
- Hand brake. S. B. Haseltine. 2,451,028, Oct. 12.
- Hand brake. H. J. Lounsbury. 2,439,941, Apr. 20.
- Hand brake. R. J. Olander. 2,453,255, Nov. 9.
- Hand brake. K. Williams. 2,457,764, Dec. 28.
- Hand brake for railway cars. K. Williams. 2,437,491, Mar. 9.
- Hand cultivating and weeding tool. L. B. Miller. 2,446,512, Aug. 3.
- Hand cultivating tool. L. M. Coles. 2,452,732, Nov. 2.
- Hand device for slicing or shredding vegetables and other foodstuffs. H. Simpson. 2,443,873, June 22.
- Hand dryer. H. W. McLeckie. 2,438,762, Mar. 30.
- Hand finishing tool. W. H. Andrews. 2,435,335, Feb. 3.
- Handgrip for fishing lines. D. Meinzinger. 2,448,384, Aug. 31.
- Hand guard for welding apparatus. J. J. Sandrik. 2,438,792, Mar. 30.
- Hand-held power tool. W. F. Allenby. 2,436,540, Feb. 24.
- Hand loom. F. Havice. 2,444,162, June 29.
- Hand-operated abrading and polishing tool. W. J. Lund. 2,437,827, Mar. 16.
- Hand operated leather punching machine. G. P. Carlock. 2,449,108, Sept. 14.
- Hand-operated loom. J. Tiefenthal. 2,437,716, Mar. 16.
- Hand-operated rotary fruit juice extractor. O. Binzel. 2,443,129, June 8.
- Hand piece, Dental. M. Staunt. 2,445,891, July 27.
- Handpiece, Dental engine. R. C. Angell. 2,448,758, Sept. 7.
- Hand press. A. Alk. 2,448,288, Aug. 31.
- Hand rail and reed holder. A. A. Gordon. 2,439,688, Apr. 13.
- Hand shield for cooking utensils. F. E. Ellwood. 2,436,507, Feb. 24.
- Hand tool assembly, Motor. R. Schumann. 2,452,268, Oct. 26.
- Hand tool for cutting out hinge recesses. C. L. Parcell. 2,440,208, Apr. 20.
- Hand truck for heavy articles. W. R. Theg. 2,438,726, Mar. 30.
- Handle: See—
- Auxiliary tool handle. Pot handle.
 - Bicycle handle. Service handle.
 - Casket handle. Shopping bag handle.
 - Container handle. Steering handle.
 - Detachable handle. Table cutlery handle.
 - Fishing rod handle. Tool handle.
 - Mattress handle.
 - Paint brush extension handle.
- Handle and closure means for flexible receptacles, Combined. E. Lebenhart. 2,444,996, July 13.
- Handle and closure means for handbags, Combination. L. Krupp. 2,437,099, Mar. 2.
- Handle and hold-down bracket, Battery. W. F. Donkin. 2,453,835, Nov. 16.
- Handle and valve actuator, Liquid dispenser. T. Bailey. 2,445,101, July 13.
- Handle assembly casting rod. M. M. Culver. 2,456,681, Dec. 21.
- Handle assembly, Door. B. S. Floraday. 2,446,753, Aug. 10.
- Handle assembly, Pessary and manipulating. G. L. De Bray and A. Morgan. 2,452,229, Oct. 26.
- Handle bar. A. Gazda. 2,456,267, Dec. 14.
- Handle bar and seat attachment, Bicycle. W. G. Darden. 2,448,867, Sept. 7.
- Handle construction, Swinging loop. H. H. McCarl. 2,444,056, June 29.
- Handle for cardboard and fibre boxes and the like. R. Van Rosen. 2,434,630, Jan. 13.
- Handle for coffee makers. L. Reichold. 2,434,122, Jan. 6.
- Handle for hand saws, Adjustable-adjustable. I. Kolodner and J. Munves. 2,435,225, Feb. 3.
- Handle for knives, hatchets, etc., Detachable. L. H. Basham. 2,439,071, Apr. 6.
- Handle for portable blowers. C. W. Lanter. 2,455,786, Dec. 7.
- Handle for portable drills, Pressure-regulating and retaining. J. T. Richards. 2,441,444, May 11.
- Handle for portable electric tools, Switch. J. A. Perham. 2,450,380, Sept. 28.
- Handle for retracting breech bolts, Detachable operating. T. R. Robinson, Jr. 2,454,885, Nov. 30.
- Handle for utensils, Hinged. W. Josselyn. 2,444,447, July 6.
- Handle, knob, and mounting structure. G. Duefrene. 2,440,170, Apr. 20.
- Handle means and file guide for saw files, Combined. F. C. Brothers. 2,448,702, Sept. 7.
- Handle operated brake. W. T. Watson. 2,435,255, Feb. 3.
- Handle, Pot. J. B. Galliano. 2,450,193, Sept. 28.
- Handle structure, Flatiron. F. E. Finlayson. 2,443,448, June 15.
- Handle structure for cooking utensils. M. R. Bodell. 2,442,454, June 1.
- Handling a contact mass. T. P. Simpson. 2,436,780, Feb. 24.
- Handling and joining cooperating members. R. Potter. 2,450,987, Oct. 12.
- Handling apparatus. K. P. Billner. 2,455,650, Dec. 7.
- Handling bottles, etc. R. A. Bierwirth. 2,443,886, June 22.
- Hand weaving device. H. M. Zippel. 2,452,011, Oct. 19.
- Handy scaffold bracket. H. J. Steffes. 2,451,179, Oct. 12.
- Hanger: See—
- Adjustable coat and two pants hanger.
 - Bent-wire clothes hanger.
 - Cable hanger.
 - Cam-acting garment hanger.
 - Clothes hanger.
 - Collapsible coat hanger.
 - Door hanger.
 - Double reversible film developing hanger.
 - Dry rack or hanger.
 - Fish net hanger.
 - Foldable garment hanger.
 - Garment hanger.
 - Liner hanger.
 - Mirror hanger.
 - Paint can hanger.
 - Picture hanger.
 - Pipe hanger.
 - Plate hanger.
 - Polish rod hanger.
 - Resilient shaft hanger.
 - Safety soap and washcloth hanger.
 - Sash hanger.
 - Shade and curtain hanger.
 - Shoulder pad filler garment hanger.
 - Spring hanger.
 - Strap hanger.
 - Suit hanger.
 - Trouser hanger.
 - Wiring channel hanger.
- Hanger. T. R. Benda. 2,445,758, July 27.
- Hanger. F. L. Buxton. 2,454,908, Nov. 30.
- Hanger. L. Glassheim. 2,441,191, May 11.
- Hanger. H. D. Gorne. 2,452,120, Oct. 26.
- Hanger. W. R. Wilhelm. 2,441,051, May 4.
- Hanger and creaser, Trousers. H. C. Nelson. 2,437,437, Mar. 9.
- Hanger and necktie rack, Combined coat. W. R. Grant. 2,455,478, Dec. 7.
- Hanger bracket. U. S. Logan. 2,447,128, Aug. 17.
- Hanger bracket for faucets. C. H. Root. 2,446,142, July 27.
- Hanger device for garments. S. Meyer. 2,447,132, Aug. 17.
- Hanger for brooms, tools, and the like. J. A. Kane. 2,447,862, Aug. 24.
- Harness for chairs, Baby. G. M. Fitzpatrick. 2,449,741, Sept. 21.
- Hanger for cream separators or like machines, Hinged motor. W. M. Scircle. 2,456,088, Dec. 14.
- Hanger for frames, Adjustable. D. H. Bratburd. 2,450,465, Oct. 5.
- Hanger for garments, wearing apparel, etc. A. Stevenson. 2,439,529, Apr. 13.
- Hanger for vehicles, Clothes. J. V. Auskelis and J. H. Martino. 2,454,368, Nov. 23.
- Hanging means, Picture. O. H. Hedstrom. 2,451,554, Oct. 19.
- Hanging shoeshine kit bag. J. Hoishman. 2,441,415, May 11.
- Hardening apparatus, Heating or flame. H. B. Gilson. 2,440,716, May 4.
- Hardening of soil and the like. R. M. Hodgson. 2,437,387, Mar. 9.
- Hardness and thickness gauge. T. Groff. 2,435,348, Feb. 3.
- Hardness penetrator. C. V. Kent. 2,436,435, Feb. 24.
- Hardness testing device. S. Christensen, W. G. Rosenberg, and J. D. Swift. 2,452,833, Nov. 2.
- Hardware article. G. V. Jakeway and I. S. Keeler. 2,433,993, Jan. 6.
- Harmonic generator. J. C. Tellier and H. H. Wilson, Jr. 2,455,824, Dec. 7.
- Harmonica. J. Messner. 2,442,370, June 1.
- Harness, Baby. B. I. Smith. 2,434,968, Jan. 27.
- Harness, Dog. J. T. Warren. 2,437,628, Mar. 9.
- Harness for suspension bridges, Stabilizing. M. R. Wolfard. 2,433,878, Jan. 6.
- Harness, Loom. J. J. Kaufmann. 2,445,070, July 13.
- Harness motions. L. D. Cobb. 2,437,349, Mar. 9.
- Harness motions. E. C. Nichols. 2,455,263, Nov. 30.
- Harness, Quick releasable parachute. R. Taaty. 2,447,824, Aug. 24.
- Harness, Parachute. J. Gregory. 2,436,167, Feb. 17.
- Harness, Pickup parachute. H. Wilson. 2,448,066, Aug. 31.
- Harness, Shoulder. W. Lambert. 2,441,115, May 4.

- Harness, Tail set. E. B. Ogan. 2,450,379, Sept. 28.
 Harp, Lamp. K. Berger. 2,435,954, Feb. 17.
 Harpoon construction. J. T. Crandall. 2,448,864, Sept. 7.
 Harvester. M. H. Kimball. 2,441,244, May 11.
 Harvester and straw buncher, Combine. W. F. Reisenweber. 2,448,737, Sept. 7.
 Harvester, Beet. C. W. Walz, C. T. Rasmussen, and R. D. Griff. 2,438,627, Mar. 30.
 Harvester, Celery. W. C. Silva. 2,436,831, Mar. 2.
 Harvester, Comb-type cotton. W. M. Wallace. 2,445,162, July 13.
 Harvester, Corn. R. C. Ferguson. 2,444,561, July 6.
 Harvester, Corn. E. J. Schaaf and E. F. Greedy. 2,434,124, Jan. 6.
 Harvester, Corn. A. B. Welty. 2,440,791, May 4.
 Harvester-loader. A. R. Wurtele. 2,439,278, Apr. 6.
 Harvester, Row crop silage. K. J. Van Sickle. 2,442,520, June 1.
 Harvester, Sugar beet. H. C. Rassmann. 2,437,709, Mar. 16.
 Harvester, Vegetable. O. Lapointe. 2,453,714, Nov. 16.
 Harvester with topper and ejector. H. E. Hall. 2,435,350, Feb. 3.
 Harvesting machine, Beet. L. B. Karaang. 2,438,289, Mar. 23.
 Harvesting machine for onions. J. Chizek and F. J. Gast. 2,456,863, Dec. 21.
 Harvesting mechanism. J. E. Love. 2,438,065, Mar. 16.
 Hassock. J. M. Smiler. 2,449,017, Sept. 7.
 Hat. L. Knoble, Sr. 2,442,816, June 8.
 Hat. H. Shrager and B. Shinberg. 2,455,619, Dec. 7.
 Hat. G. H. Simon. 2,439,700, Apr. 13.
 Hat and rainfall collector, Combination. B. S. Boeringer. 2,443,848, June 22.
 Hatband, Adjustable. E. K. Kuenstner. 2,440,407, Apr. 27.
 Hat band, Adjustable. F. Ostolaza and G. E. Holmes. 2,445,922, July 27.
 Hat construction. M. Lampert. 2,446,705, Aug. 10.
 Hat construction and sweatband therefor. J. L. Pearson. 2,439,984, Apr. 20.
 Hat construction, Interchangeable. A. I. Josephs. 2,436,434, Feb. 24.
 Hat form, Adjustable. A. Moebes. 2,450,521, Oct. 5.
 Hat, Lady's plastic. S. Behr. 2,441,788, May 18.
 Hatrack, Wire. E. J. Ajax. 2,444,322, June 29.
 Hat rest or the like, Separable. J. E. Ledure. 2,456,964, Dec. 21.
 Hat support. G. P. Economakis. 2,442,723, June 1.
 Hats, Blocking. A. Reinsberg. 2,441,332, May 11.
 Hatch beam track, Rolling. J. G. Deegan. 2,435,190, Feb. 3.
 Hatch cover. J. K. Collings. 2,457,129, Dec. 28.
 Hatch cover. E. Groppe. 2,447,906, Aug. 24.
 Hatch cover lock and headrest, Combined. R. E. Birdsall. 2,436,374, Feb. 24.
 Hatching device. G. Baer. 2,453,356, Nov. 9.
 Hauling device. P. Lofshult. 2,442,273, May 25.
 Hay buck, Power. F. L. Selak. 2,448,631, Sept. 7.
 Haymaking machine. P. M. Thorns. 2,437,007, Mar. 2.
 Head and clothing protector. R. Brenner. 2,447,561, Aug. 24.
 Head and socket separable safety fastener. L. H. Hopewell. 2,449,167, Sept. 14.
 Head band connector. F. Ostolaza and G. E. Holmes. 2,445,921, July 27.
 Headband construction, Adjustable. R. L. Malcom. 2,437,748, Mar. 16.
 Headband construction, Adjustable. R. L. Malcom. 2,438,409, Mar. 23.
 Head cover. D. and A. Lester. 2,445,487, July 20.
 Head-down persuader. A. P. Schneider. 2,440,878, May 4.
 Headress. F. Whitney. 2,456,352, Dec. 14.
 Head for abrasive disks, Supporting. E. H. Tott. 2,454,726, Nov. 23.
 Head for cable insulating machine, Taping. C. O. Bruestle. 2,447,841, Aug. 24.
 Head for golf clubs. N. S. Campbell. 2,452,100, Oct. 26.
 Head for nut runners and the like, Accumulative impacting. N. E. Sims, Jr. 2,440,834, May 4.
 Head for pressure fluid tanks, Discharge. F. A. Dodelin. 2,441,011, May 4.
 Head for sanding machines, Rotary. J. C. Hammontree. 2,453,222, Nov. 9.
 Head for ski pole rings, Swivel. S. Werner. 2,450,063, Sept. 28.
 Head for venetian blinds. C. J. Van Buren. 2,435,373, Feb. 3.
 Head for wire recorders, Recording and reproducing. M. Camras. 2,435,871, Feb. 10.
 Headgear for optical devices. H. D. Hurt. 2,445,355, July 20.
 Headlamp control, Automobile. J. Clive. 2,450,370, Sept. 28.
 Headlight and supporting means therefor. L. H. Washington. 2,438,196, Mar. 23.
 Headlight, Gravity actuated dirigible. W. Le Clair. 2,445,835, July 27.
 Headlight, Mining machine. A. L. Lee. 2,445,072, July 13.
 Headlight structure, Dirigible. K. A. Herrington. 2,434,766, Jan. 20.
 Headrest. J. A. and R. J. Conradt. 2,452,103, Oct. 26.
 Headrest. F. G. Martin. 2,446,483, Aug. 3.
 Headrest. F. N. O'Dea. 2,434,007, Jan. 6.
 Headrest and backrest in a beach or lawn chair, Combination. H. H. Collins. 2,450,783, Oct. 5.
 Head-protecting cap. E. Mauro. 2,442,052, May 25.
 Head spacing apparatus for container closing machines. W. C. Fromer. 2,444,502, July 6.
 Headstock and centering rest assembly. R. G. Le Tourneau, C. Graham, and H. G. Huth. 2,435,451, Feb. 3.
 Head support for hair driers. K. B. Spring. 2,446,962, Aug. 10.
 Headwear. N. J. and E. Albert. 2,449,633, Sept. 21.
 Headwear. E. Wittcoff. 2,451,140, Oct. 12.
 Heads for paper winding reels, Adjustable. L. Leas. 2,449,398, Sept. 14.
 Hearing aid. F. A. Gabbert. 2,445,425, July 20.
 Hearing aid. S. F. Lybarger. 2,444,302, June 29.
 Hearing aid and heat deflector for hair driers. G. K. Edwards and M. H. Zachrich. 2,449,460, Sept. 14.
 Hearse. W. H. Pfeiffer. 2,454,566, Nov. 23.
 Heart testing machine of a beam reflector type. W. O. Jones. 2,445,672, July 20.
 Hearth, Grid. H. F. Jackson. 2,434,852, Jan. 20.
 Heat-actuated pendular motor. J. Lorphelin. 2,442,466, June 1.
 Heat control for plastics extruders, Internal two-zone. R. M. Wiley and E. V. Dettmer. 2,449,355, Sept. 14.
 Heat controlled apparatus for preparing pads, Automatic. P. G. Polhemus. 2,446,989, Aug. 10.
 Heat detection device. J. Evans. 2,437,085, Mar. 2.
 Heat dissipation for electronic tube apparatus. E. Hansen and G. O. Davis. 2,453,433, Nov. 9.
 Heat engine. E. G. Baker. 2,444,764, July 6.
 Heat engine. F. Nettel. 2,439,748, Apr. 13.
 Heat exchange apparatus. J. E. Mason and C. White. 2,453,718, Nov. 16.
 Heat exchange apparatus. J. E. Woods. 2,437,287, Mar. 9.
 Heat exchange core and air duct. D. W. Christensen. 2,434,988, Jan. 27.
 Heat exchange element. F. R. Higley. 2,444,825, July 6.
 Heat exchange method and apparatus. H. J. De N. McCollum. 2,441,279, May 11.
 Heat exchanger. J. W. Brown, Jr. 2,449,052, Sept. 14.
 Heat exchanger. R. E. Buckholdt. 2,445,471, July 20.
 Heat exchanger. W. Gloyer. 2,439,208, Apr. 6.
 Heat exchanger. F. P. Haurahan. 2,445,115, July 13.
 Heat exchanger. M. H. McTurk. 2,453,448, Nov. 9.
 Heat exchanger. W. M. Simpson. 2,456,455, Dec. 14.
 Heat exchanger. F. J. O'Sullivan and W. B. du Pont. 2,452,391, Oct. 26.
 Heat exchanger and reaction thrust apparatus. C. de Ganahl. 2,454,310, Nov. 23.
 Heat exchanger, Multitubular. E. Villiger and E. Benninger. 2,451,786, Oct. 19.
 Heat exchangers, Making. W. Bisch. 2,443,295, June 15.
 Heat exchanging airplane propeller. I. B. Osofsky. 2,455,313, Nov. 30.
 Heat exchanging apparatus. L. B. Schibbye. 2,449,822, Sept. 21.
 Heat insulating device for coke oven doors removed by door handling machines. R. E. Exum. 2,442,349, June 1.
 Heat insulator for heating grilles. A. S. Feinberg. 2,434,763, Jan. 20.
 Heat polymerizable N-vinyl pyrrole compositions, Stabilized. W. O. Ney. 2,449,951, Sept. 21.
 Heat-pressure operated warning switch. M. L. Michaelson. 2,454,288, Nov. 23.
 Heat pump control device. E. N. Kemler, W. C. Pease, III, and S. Oglesby, Jr. 2,441,885, May 18.
 Heat reclamation attachment for heating furnaces. J. A. Hilkene. 2,452,852, Nov. 2.
 Heat recovery system for catalytic conversion processes. C. S. Reed and A. H. Schutte. 2,448,550, Sept. 7.
 Heat regenerator, Chimney type. W. J. Irwin. 2,446,420, Aug. 3.
 Heat regulating iron. C. H. Sparklin. 2,457,185, Dec. 28.
 Heat-resistant copolymer of styrene and parachloro-alpha methylstyrene. J. P. Kispersky and R. B. Seymour. 2,439,213, Apr. 6.
 Heat responsive switch. A. Warsher. 2,452,511, Oct. 26.
 Heat-sealable labels, Applying. R. A. Farrell and C. L. Wagner. 2,446,414, Aug. 3.
 Heat-sealed valve bag. C. H. Hartman. 2,437,693, Mar. 16.
 Heat-sealing apparatus. A. A. Gardner and J. G. McCormack. 2,451,728, Oct. 19.
 Heat sealing method. H. F. Waters. 2,437,057, Mar. 2.
 Heat sealing shrinkable films, Method and apparatus for. H. A. Rohdin. 2,441,940, May 18.
 Heat-sealing the seams of paper bags. A. M. Bojanower. 2,453,889, Nov. 16.
 Heat storing hot-air circulating apparatus. L. L. Wartes. 2,438,834, Mar. 30.
 Heat to or from material on band conveyors, Transferring. W. H. Allen. 2,437,492, Mar. 9.
 Heat transfer device for refrigerating apparatus. Capillary. R. S. Gaugler. 2,448,261, Aug. 31.
 Heat transfer device with capillary condensate drain. A. O. Brothers. 2,433,825, Jan. 6.
 Heat transfer media. W. H. Daudt. 2,444,555, July 6.
 Heat transfer with granular solid, Process and apparatus for. E. Utterback. 2,445,092, July 13.

- Heat-treated rivets, Handling. J. H. Eades. 2,446,166, Aug. 3.
- Heat-treating apparatus. F. O. Hess. 2,435,923, Feb. 10.
- Heat-treating apparatus. H. E. Somes. 2,449,089, Sept. 14.
- Heat-treating furnace. H. Dobrin. 2,446,642, Aug. 10.
- Heat-treating machine. W. F. Butler. 2,448,514, Sept. 7.
- Heat-treating materials. J. W. Hubbard. 2,443,620, June 22.
- Heat-treating metallic annulus. H. L. Mueller. 2,445,150, July 13.
- Heat-treatment for copper-nickel-cobalt permanent magnet alloys. J. D. Seaver. 2,437,563, Mar. 9.
- Heat-treatment of low grade coal, Method and apparatus for the. H. E. Becker. 2,438,199, Mar. 23.
- Heat-treatment of plural oxide gels. M. M. Marisic. 2,448,270, Aug. 31.
- Heated cathode, Indirectly. R. E. Trimble. 2,436,907, Mar. 2.
- Heated form for progressively casting clay walls in place. D. Whittenberg. 2,442,738, June 1.
- Heated roller bearing. R. B. Smith. 2,443,403, June 15.
- Heater: See—
- Air-circulating heater. Immersion heater.
- Bed heater. Intermittent combustion not-air heater.
- Blower type radiant heater. Internal-combustion aircraft-type heater.
- Circulating gas heater. Internal-combustion engine heater.
- Combined illuminating and radiating type heater. Internal-combustion hot-air heater.
- Dairy water heater. Lens heater.
- Deaerating heater. Magazine-type heater.
- Direct fuel fired unit air heater. Moist pack heater.
- Domestic electric heater. Nonpulsating internal-combustion heater.
- Electric air circulating heater. Oscillating fan heater.
- Electric air heater. Portable liquid heater.
- Electric circulating heater. Pulverized fuel burning gas heater.
- Electric circulating space heater. Radial flow forced-air heater.
- Electric clamp-on heater. Rapid electric fluid heater.
- Electric cooking heater. Sectional hot-air heater.
- Electric heater. Self-propelled circulating heater.
- Electric hot-water heater. Self-supporting, self-adjusting electric water heater.
- Electric room heater. Solar water heater.
- Electric water heater. Steam injection type water heater.
- Electrical conductance heater. Thermostatically controlled electric heater.
- Engine cooling liquid heater. Tubular hot-air heater.
- Feedwater heater. Water heater.
- Finned electric air heater.
- Flask heater.
- Fluid heater.
- Furnace hot-water heater.
- Gas heater.
- Immersible electrical heater.
- Heater. E. V. Bergstrom. 2,445,554, July 20.
- Heater. E. V. Bergstrom. 2,446,805, Aug. 10.
- Heater. B. De Lorenzo. 2,445,316, July 20.
- Heater. O. L. Garretson. 2,445,059, July 13.
- Heater. E. Utterback. 2,444,274, June 29.
- Heater and circulator. Air. F. R. Higley and E. H. Ryden. 2,443,911, June 22.
- Heater and control means therefor. Space. K. S. Jensen. 2,457,377, Dec. 28.
- Heater and drier, Portable. J. H. Leather. 2,456,881, Dec. 21.
- Heater and head output indicator therefor. Space. E. M. Douthat. 2,435,342, Feb. 3.
- Heater and making same, Coreless induction. B. Ronay. 2,457,179, Dec. 28.
- Heater and making same, Electric. W. R. Tuttle. 2,456,343, Dec. 14.
- Heater construction. L. N. Walter. 2,437,573, Mar. 9.
- Heater exchanger header construction. D. W. Christensen. 2,443,703, June 22.
- Heater exhaust system. L. A. Williams, Jr. 2,448,132, Aug. 31.
- Heater for burning coal and other solid fuel, Smokeless. W. A. Stuckey and M. Gregurich. 2,456,570, Dec. 14.
- Heater for carburetors, Electrical induction. W. N. Dickerson and L. D. Gonzales. 2,441,312, May 11.
- Heater for cooking containers, Combustion tube. R. T. Keating. 2,452,472, Oct. 26.
- Heater for flowing fluid, Electric. P. P. Horni. 2,444,508, July 6.
- Heater for heating air, Internal-combustion. H. J. De N. McCollum. 2,451,851, Oct. 19.
- Heater for hydrocarbon fluids. C. S. Reed. 2,454,943, Nov. 30.
- Heater for livestock watering tanks. G. A. Rietz. 2,454,091, Nov. 16.
- Heater for vapor heating jacket, or the like, Immersion. J. R. Shields. 2,434,016, Jan. 6.
- Heater for water tanks and the like, Clamp-on electric. O. G. Vogel and F. E. Kirk. 2,452,214, Oct. 26.
- Heater having a heating chamber and flue, Storage water. C. Z. Alexander. 2,440,998, May 4.
- Heater having variable output with constant temperature, Combustion air. S. E. Heymann and W. A. Marshall, Jr. 2,454,511, Nov. 23.
- Heater, including means to prevent fuel-contamination of the ventilating air, Aircraft. S. E. Heymann. 2,454,512, Nov. 23.
- Heater, stove, and burner, particularly adapted for use in making field laboratory tests. H. E. Bent. 2,448,412, Aug. 31.
- Heater with air-heating tubes, Internal-combustion. H. J. De N. McCollum. 2,451,628, Oct. 19.
- Heater with expandable fuel reservoir, Internal-combustion. H. J. De N. McCollum. 2,440,447, Apr. 27.
- Heater with fuel vaporizer and air mixer, Hot-air. T. Y. Korsgren. 2,443,707, June 22.
- Heater with nozzle heating means, Internal-combustion. L. A. Williams, Jr. 2,455,207, Nov. 30.
- Heater with ram anti-icing means, Ram operated aircraft. H. J. D. McCollum. 2,443,262, June 15.
- Heater with selective indirect draft, Hot-air. F. B. Gambin. 2,439,972, Apr. 20.
- Heater with wick burner, Aircraft. J. I. Trimble and W. M. Myler, Jr. 2,445,341, July 20.
- Heaters and making, Electric space. J. E. Smith. 2,450,921, Oct. 12.
- Heating and cooling system. R. S. Elberty, Jr. 2,442,201, May 25.
- Heating and cooling system for houses. A. De Lore. 2,435,875, Feb. 10.
- Heating and quenching apparatus. J. H. Loux. 2,438,064, Mar. 16.
- Heating and spraying device. I. P. Denysen. 2,434,911, Jan. 27.
- Heating and ventilating apparatus. H. A. Pietsch. 2,453,382, Nov. 9.
- Heating and ventilating apparatus for vehicles. H. J. Findley. 2,445,392, July 20.
- Heating and ventilating unit, Electric. R. H. Taylor. 2,449,755, Sept. 21.
- Heating apparatus. D. D. Peebles. 2,452,260, Oct. 26.
- Heating apparatus and control, Electric. J. W. Harrison. 2,447,649, Aug. 24.
- Heating apparatus, High-frequency dielectric. R. M. Baker. 2,456,611, Dec. 21.
- Heating apparatus, High-frequency dielectric. B. Cassen. 2,449,451, Sept. 14.
- Heating apparatus, High-frequency induction. R. E. Cox. 2,454,039, Nov. 16.
- Heating apparatus, Hot food table. B. J. Freed. 2,453,425, Nov. 9.
- Heating apparatus, Induction. J. R. Johnson. 2,439,517, Apr. 13.
- Heating apparatus, Transverse flux induction. G. E. Stoltz. 2,448,062, Aug. 31.
- Heating apparatus with provision for utilizing combustion gases. R. C. Jiménez. 2,447,252, Aug. 17.
- Heating apparatus with work conveyor, Induction. R. Lee. 2,456,962, Dec. 21.
- Heating attachment for lamps. L. M. Roberts. 2,448,326, Aug. 31.
- Heating by centrifugal compression, Process and apparatus for. J. R. Roebuck. 2,451,873, Oct. 19.
- Heating coil, Induction. R. J. Stanton and C. Lowry. 2,452,162, Oct. 26.
- Heating control system. V. G. Vaughan and J. O. Moorehead. 2,446,677, Aug. 10.
- Heating device and making the same, Electric. P. W. Plummer. 2,448,388, Aug. 31.
- Heating device, Canned food. V. E. C. and D. E. Martin. 2,447,077, Aug. 17.
- Heating device, Convection type electrical. R. B. Shannon. 2,452,875, Nov. 2.
- Heating device, Regenerative. J. F. Crews. 2,435,424, Feb. 3.
- Heating element. H. Lee. 2,456,201, Dec. 14.
- Heating element and support therefor. B. Spieth. 2,438,767, Mar. 30.
- Heating element, Electric. A. F. Shafter. 2,457,608, Dec. 28.
- Heating element support. H. A. Mulvany. 2,449,712, Sept. 21.
- Heating furnace and operating the same, Continuous. W. A. Morton. 2,451,349, Oct. 12.
- Heating means for centrifugal baskets. P. van Riel. 2,435,023, Jan. 27.
- Heating of continuously moving metal strip with pulsating magnetic flux, Induced. R. M. Baker. 2,448,012, Aug. 31.
- Heating of emulsions, Dielectric. P. W. Schutz and E. K. McMahon. 2,446,557, Aug. 10.
- Heating plant. S. Ria. 2,450,561, Oct. 5.
- Heating plant and furnace. J. A. Kreuser. 2,438,407, Mar. 23.
- Heating stacked bodies, Method of and apparatus for. J. Kniveton. 2,454,253, Nov. 16.
- Heating system. F. C. Broderick. 2,455,040, Nov. 30.
- Heating system. R. W. De Lancey. 2,447,901, Aug. 24.
- Heating system. W. W. Hallinan. 2,455,250, Nov. 30.
- Heating system. J. La Raus. 2,448,988, Sept. 7.
- Heating system. R. B. Marshall. 2,434,574-5, Jan. 13.
- Heating system. J. C. Sharp. 2,439,270, Apr. 6.
- Heating system. S. W. Traylor, Jr. 2,434,086, Jan. 6.
- Heating system. L. A. Williams, Jr. 2,443,940, June 22.
- Heating system, Automotive battery. G. R. Furman. 2,440,369, Apr. 27.
- Heating system, Drier. R. D. Cheesman. 2,448,770, Sept. 7.

- Heating system, Electric oven. F. H. McCormick. 2,442,900, June 8.
- Heating system, Fireplace. H. T. Wright. 2,453,954, Nov. 16.
- Heating system for a plurality of objects, responsive to temperature and position thereof, Electric. L. L. Johnson. 2,440,476, Apr. 27.
- Heating system for cooking appliances, Electric. V. Weber. 2,435,641, Feb. 10.
- Heating system for ovens, Electric. F. H. McCormick. 2,434,467, Jan. 13.
- Heating system for vehicles, Low-pressure steam. H. Appel. 2,437,673, Mar. 16.
- Heating system, High-frequency induction. H. W. Anderson. 2,450,623, Oct. 5.
- Heating system, Hot-water. F. C. Broderick. 2,455,039, Nov. 30.
- Heating system, Stoker controlled. O. R. Schwantes. 2,452,329, Oct. 26.
- Heating system, Water. R. C. Newhouse. 2,443,359, June 15.
- Heating unit. H. Lee. 2,456,202, Dec. 14.
- Heating unit, Convactor. A. G. Dixon. 2,456,492, Dec. 14.
- Heating unit, Electric. S. J. Temple. 2,455,102, Nov. 30.
- Heating unit, Electrical. H. M. Parmley. 2,457,065, Dec. 21.
- Heating unit fastener. M. A. Feinstein. 2,456,823, Dec. 21.
- Heavy duty electrode holder. N. A. Birch. 2,443,592, June 22.
- Heavy-duty electrode holder. M. Wells. 2,455,325, Nov. 30.
- Heddle frame. R. P. Drake. 2,445,107-8, July 13.
- Heddle release mechanism. B. A. Peterson. 2,447,274, Aug. 17.
- Heel adapter, Spring. J. P. Warrington. 2,444,865, July 6.
- Heel adjuster, Flexible. D. H. Hardy. 2,446,369, Aug. 3.
- Heel, Antisplash. C. O. Walper. 2,452,883, Nov. 2.
- Heel. Arch support. A. H. Gilman. 2,435,677, Feb. 10.
- Heel attaching. J. F. Leahy. 2,447,512, Aug. 24.
- Heel brace. F. A. Melchionna. 2,440,412, Apr. 27.
- Heel construction, Ski boot. A. Guindon. 2,449,294, Sept. 14.
- Heel counter reenforcement. J. Agostinelli. 2,456,102, Dec. 14.
- Heel, Detachable. F. M. Mancuso. 2,439,310, Apr. 6.
- Heel, Detachable. H. Simonetti. 2,449,914, Sept. 21.
- Heel for footwear. A. H. Kerngood. 2,444,777, July 6.
- Heel for footwear, Attachable and replaceable. E. J. Moffatt. 2,435,723, Feb. 10.
- Heel for footwear, Spring. H. H. Smith and W. Milk. 2,441,039, May 4.
- Heel mounting. D. K. McLennan. 2,441,828, May 18.
- Heel rest for automobile floor mats. J. C. Edwards. 2,444,342, June 29.
- Heelpiece for boots and shoes. E. Bier. 2,446,627, Aug. 10.
- Heel, Rotatable rubber. B. Gilowitz. 2,447,905, Aug. 24.
- Heel, Rubber. T. van der Veen. 2,457,015, Dec. 21.
- Heel with exchangeable heelpiece, Shoe. G. E. Johansson. 2,440,404, Apr. 27.
- Height computing apparatus. G. W. Fyler. 2,444,770-1, July 6.
- Helical spring. A. Raspet. 2,441,166-7, May 11.
- Helical spring actuated sliding side jaw wrench. R. H. Schlote. 2,447,094, Aug. 17.
- Helical spline torque indicator. P. P. Newcomb. 2,444,363, June 29.
- Helicopter. R. G. Hoppes. 2,445,354, July 20.
- Helicopter. N. N. Solovioff and N. G. Kling. 2,450,491, Oct. 5.
- Helicopter, Axial flow. L. H. Leonard. 2,444,781, July 1.
- Helicopter lifting screw operating mechanism. A. A. Locke. 2,437,165, Mar. 2.
- Helicopter rotor control. W. S. Hoover. 2,435,080, Jan. 27.
- Helicopter rotor mounting and drive. C. G. Pullin. 2,440,225, Apr. 20.
- Helicopter roundabout. W. L. West. 2,451,006, Oct. 12.
- Helicopter steering surface control. E. L. Kirchoff. 2,437,324, Mar. 9.
- Helicopter with coaxial rotors. V. Bendix. 2,456,485, Dec. 14.
- Helicopter with jet-driven lift rotor employing boundary layer air. E. A. Stalker. 2,443,936, June 22.
- Helicopter with one or more rotors having controllable ailerons. F. Landgraf. 2,443,393, June 15.
- Helicopter with tiltable rotors, Multirotor. C. R. Buchet. 2,452,728, Nov. 2.
- Helmet. H. C. Harding. 2,457,554, Dec. 28.
- Helmet. C. H. Myers and W. P. Yant. 2,455,797, Dec. 7.
- Helmet, Hair drier. B. Kritzer. 2,456,788, Dec. 21.
- Helmet, Welder's. M. N. Anderson. 2,440,596, Apr. 27.
- Helmets, Making protective. H. Goldsmith. 2,451,483, Oct. 19.
- Hem marker. S. O. Orthwin. 2,446,319, Aug. 3.
- Hemmed material and making the same. C. Seaman. 2,437,976, Mar. 16.
- Heptane isomerization. B. L. Everling. 2,443,607, June 22.
- Herbicidal composition. A. L. Flenner. 2,450,543, Oct. 5.
- Herbicide. C. D. Fitzgerald and G. E. Lynn. 2,435,676, Feb. 10.
- Herbicides. J. H. Davidson. 2,435,204, Feb. 3.
- Hermetically sealed joint. H. B. Johnson and L. L. Werner. 2,448,031, Aug. 31.
- Hernia truss. C. R. Carpenter. 2,453,195, Nov. 9.
- Hesperidin, Recovery of. W. E. Baier. 2,442,110, May 25.
- Heterocyclic bases, Manufacture of. F. Bergel, A. L. Morrison, and H. Rinderknecht. 2,446,803, Aug. 10.
- Heterocyclic compounds, Preparation of. J. H. Boothe. 2,444,002, June 22.
- Heterocyclic compounds, Production of. J. G. M. Bremner and D. G. Jones. 2,450,108, Sept. 28.
- Heterocyclic nitrogen compounds, Purification of. J. W. Waldron. 2,454,019, Nov. 16.
- Heterocyclic organic compounds, Preparing. R. B. Angier. 2,442,836-7, June 8.
- Heterocyclic substituted phenacylpyridines and preparing the same. J. M. Smith, Jr. 2,442,865, June 8.
- Heteropolymer of isopropenyl acetate and maleic anhydride. C. C. Unruh and W. O. Kenyon. 2,452,165, Oct. 26.
- Hexachlorobutadiene, Making. E. T. McBee and L. W. Devaney. 2,454,820, Nov. 30.
- Hexachloroethane, Distillation of. R. G. Heitz and C. F. Oldershaw. 2,445,526, July 20.
- Hexachlorethane, Preparation of. W. H. Vining and O. W. Cass. 2,440,731, May 4.
- Hexahydrobenzyl ester. J. E. Bludworth and D. P. Easter. 2,441,183, May 11.
- Hexamethylene tetramine, Manufacture of. P. Schideler and C. P. Davis. 2,449,040, Sept. 7.
- High chair tray slide. E. W. North and R. A. Stone. 2,440,224, Apr. 20.
- High density beam tube. K. Spangenberg, L. M. Field, and R. Helm. 2,436,833, Mar. 2.
- High dielectric composition and making same. E. Wainer. 2,436,839, Mar. 2.
- High dielectric material. E. Wainer. 2,452,532, Oct. 26.
- High efficiency resonant circuit. W. W. Hansen. Re. 23,019, July 27.
- High-frequency apparatus. T. J. Boerner and J. W. Sanborn. 2,439,682, Apr. 13.
- High-frequency apparatus. S. F. Varian and L. F. Sorg. 2,439,831, Apr. 20.
- High-frequency cable. A. J. Warner. 2,438,956, Apr. 6.
- High-frequency cable and balancing the same. S. B. Pickles. 2,440,290, Apr. 27.
- High-frequency cavity resonator apparatus. A. M. Gurewitsch. 2,443,907, June 22.
- High-frequency coil. H. Walker. 2,439,277, Apr. 6.
- High-frequency dielectric heating apparatus. F. G. Albin. 2,442,451, June 1.
- High-frequency electric field heating. R. G. Rowe. 2,436,732, Feb. 24.
- High-frequency electrical transmission line. W. W. Salisbury. 2,437,482, Mar. 9.
- High-frequency electronic device. R. J. Bondley. 2,444,418, July 6.
- High-frequency energy leakage suppressor. H. A. Wheeler. 2,456,803, Dec. 21.
- High-frequency filter structure. W. W. Hansen. 2,438,913, Apr. 6.
- High-frequency generating apparatus. D. E. Watts and J. Vahle, Jr. 2,446,032, July 27.
- High-frequency generator. P. D. Zottu. 2,438,595, Mar. 30.
- High-frequency heating. E. Mittlemann. 2,453,529, Nov. 9.
- High-frequency ignition systems, Suppressor for. A. C. Wall. 2,443,060, June 8.
- High-frequency induction heating. J. P. Jordan. 2,444,259, June 29.
- High-frequency multiplier system. G. E. Pihl. 2,433,865, Jan. 6.
- High-frequency progressive bonding apparatus for plastic materials. E. S. Welch, Jr. 2,446,623, Aug. 10.
- High-frequency radiant energy apparatus. G. L. Tawny. 2,437,281, Mar. 9.
- High-frequency radiation system. C. E. McClellan. 2,438,343, Mar. 23.
- High-frequency terminating impedance. W. W. Hansen. 2,438,915, Apr. 6.
- High-frequency translating apparatus. L. C. Peterson. 2,442,662, June 1.
- High-frequency tuned amplifying circuit. A. Van Der Ziel and M. J. O. Strutt. 2,444,864, July 6.
- High-frequency tuning device. A. T. Nordsieck. 2,437,889, Mar. 16.
- High-frequency tuning unit. K. E. Vaughn. 2,445,700, July 20.
- High-frequency variable inductance. J. L. Bowers. 2,453,113, Nov. 9.
- High-frequency wave transmitting apparatus. E. F. W. Alexanderson. 2,438,735, Mar. 30.
- High-low gas valve. H. W. Anderson. 2,448,654, Sept. 7.
- High melting point waxes, Producing. E. Stossel. 2,443,840, June 22.
- High molecular weight products of ethylene. W. E. Hanford and J. R. Roland. 2,457,229, Dec. 28.
- High-power microwave discharge tube. P. L. Spencer. 2,437,279, Mar. 9.

- High-power oscillator tube. J. E. Gorham. 2,454,279, Nov. 23.
- High-pressure contact switch. H. W. Graybill. 2,453,011, Nov. 2.
- High-pressure coupling. G. E. Franck. 2,447,060, Aug. 17.
- High-pressure four-way valve. A. V. Fioretta. 2,436,425, Feb. 24.
- High-pressure modulator tube. E. G. F. Arnott, C. M. Slack, and C. E. Dawley. 2,456,854, Dec. 21.
- High-pressure modulator tube. C. M. Slack and C. E. Dawley. 2,438,191, Mar. 23.
- High-pressure petroleum gas dispensing method and apparatus. J. R. Holicer. 2,449,118, Sept. 14.
- High-speed bearing. R. W. Schuck. 2,447,671, Aug. 24.
- High-speed searcher using gas discharged tubes. D. A. Christian. 2,434,989, Jan. 27.
- High temperature alloy. L. E. Osman. 2,442,209, May 25.
- High-temperature cleaning of steel strip, including removing ferrous chloride therefrom. R. W. Hodil. 2,437,528, Mar. 9.
- High-tension electric cable. C. E. Bennett. 2,457,436, Dec. 28.
- High vacuum pump. A. H. Rosenthal. 2,435,548, Feb. 3.
- High voltage condenser. B. B. Minnium. 2,449,308, Sept. 14.
- High-voltage rectifying tube. M. J. Snijders. 2,450,770, Oct. 5.
- Higher alkoxy-silicon halides. A. J. Barry. 2,438,736, Mar. 30.
- Higher fatty acids, Separation of. E. W. Colt. 2,443,184, June 15.
- Highway and street traffic marking and method and apparatus for making same. W. A. Phillips. 2,438,764, Mar. 30.
- Highway signal. J. E. Waters. 2,456,849, Dec. 21.
- Highway traffic guard. E. V. Camp. 2,438,991, Apr. 6.
- Highway warning signal. H. B. Wheeler. 2,457,512, Dec. 28.
- Hinge. J. J. Glanz. 2,437,192, Mar. 2.
- Hinge. G. W. Henry. 2,452,851, Nov. 2.
- Hinge, Bracelet. E. H. Lundsten. 2,456,969, Dec. 21.
- Hinge, Cabinet door. L. C. Rockwell. 2,443,516, June 15.
- Hinge connection, Airplane. F. B. Johnson. 2,445,399, July 20.
- Hinge construction, Davenport. B. N. Miller. 2,444,230, June 29.
- Hinge construction for toilet seats. P. J. Sperzel. 2,448,330, Aug. 31.
- Hinge construction for toilet seats. P. J. Sperzel. 2,450,209, Sept. 28.
- Hinge construction in molded receptacle. P. J. Graham. 2,435,272, Feb. 3.
- Hinge, Door checking. A. J. Swanson. 2,434,524, Jan. 13.
- Hinge for eyepiece and temple for spectacles. L. Applebaum. 2,435,918, Feb. 10.
- Hinge for refrigerator cars, Drip pan. E. S. Cisco. 2,452,101, Oct. 26.
- Hinge, Lid and tray supporting. R. A. Stone. 2,439,494, Apr. 13.
- Hinge, Lighting fixture. R. M. Runge. 2,440,186, Apr. 20.
- Hinge, Lock. W. H. Harbison. 2,441,318, May 11.
- Hinge, Molded plastic receptacle. P. J. Graham. 2,442,873, June 8.
- Hinge mounting. O. C. Eckel. 2,441,221, May 11.
- Hinge, Rotator. D. F. McCullar. 2,441,430, May 11.
- Hinge, Sofa bed. M. R. Boiu. 2,447,683, Aug. 24.
- Hinge structure. H. J. Benson. 2,440,817, May 4.
- Hinged back collapsible chair. A. A. Marks. 2,453,027, Nov. 2.
- Hinged joint. A. E. House. 2,440,823, May 4.
- Hitch. G. W. Daugherty. 2,436,556, Feb. 24.
- Hitch. P. H. Harrer. 2,438,749, Mar. 30.
- Hitch. J. Kuchar. 2,437,607, Mar. 9.
- Hitch. A. L. Sova. 2,441,336, May 11.
- Hitch attachment for harvesters, Horse. S. C. Heth. 2,433,904, Jan. 6.
- Hitch, Automatic. J. W. Pfeiffer. 2,441,285, May 11.
- Hitch, Cargo trailer. W. M. Bready. 2,438,032, Mar. 16.
- Hitch device, Overload yielding. W. H. Silver. 2,447,097, Aug. 17.
- Hitch, Extensible and retractable draft. H. R. Forney. 2,446,223, Aug. 3.
- Hitch for implements, Lifting. F. M. Fraga. 2,456,693, Dec. 21.
- Hitch for vehicles, Safety. M. J. Figmick. 2,454,641, Nov. 23.
- Hitch, Implement. F. M. Fraga. 2,438,553, Mar. 30.
- Hitch, Implement. J. A. Love. 2,445,145, July 13.
- Hitch or clevis. G. L. Kuh. 2,444,876, July 6.
- Hitch pin. S. E. Robinson. 2,447,913, Aug. 24.
- Hitch, Self-releasing rope. O. E. Skibsted. 2,452,796, Nov. 2.
- Hitch, Towing. M. T. Regan. 2,451,119, Oct. 12.
- Hitch, Tractor. R. H. Green. 2,446,584, Aug. 10.
- Hitch, Tractor. A. Schultz. 2,442,439, June 1.
- Hitch, Trailer. P. Chaffin. 2,435,383, Feb. 3.
- Hitch, Trailer. R. F. Dollase. 2,439,967, Apr. 20.
- Hitch, Trailer. D. C. Heitsch. 2,441,630, May 18.
- Hitch, Trailer. E. A. Jones. 2,448,436, Aug. 31.
- Hitch, Trailer. O. A. Logan. 2,441,428, May 11.
- Hitch, Trailer. J. P. Scott. 2,435,019, Jan. 27.
- Hitch, Trailer. A. Smit. 2,453,941, Nov. 16.
- Hitch, Trailer. C. J. Wagner. 2,435,024, Jan. 27.
- Hitch, Vehicle side draft. E. W. Fehlberg. 2,446,083, July 27.
- Hobbing machine. S. M. Ransome. 2,451,447, Oct. 12.
- Hobbyhorse. R. T. Athey. 2,434,783, Jan. 20.
- Hobbyhorse. T. Gibbons. 2,440,172, Apr. 20.
- Hobbyhorse. D. L. Richards. 2,452,869, Nov. 2.
- Hog jaw puller. J. A. Carlsen. 2,436,629, Feb. 24.
- Hoist. V. L. Darnell. 2,450,718, Oct. 5.
- Hoist. F. P. Lawler. 2,448,674, Sept. 7.
- Hoist. S. S. McIntyre. 2,450,605, Oct. 5.
- Hoist and reversing valve mechanism therefor, Pneumatic. E. H. Shaff. 2,445,585, July 20.
- Hoist attachment for tractors. H. E. Hall. 2,440,010, Apr. 20.
- Hoist attachment for tractors. E. Sadusky and H. T. Thompson. 2,455,093, Nov. 30.
- Hoist, Boat. O. F. Hook. 2,453,628, Nov. 9.
- Hoist, Cargo. N. P. E. Andersen. 2,456,104, Dec. 14.
- Hoist control system, Electric. G. E. King. 2,456,950, Dec. 21.
- Hoist frame. E. J. Lambert. 2,446,093, July 27.
- Hoist, Portable derrick. P. J. Foster. 2,443,349, June 15.
- Hoist, Transmission. N. O. Nelson. 2,433,921, Jan. 6.
- Hoist, Vehicle. E. B. Thompson. 2,443,405, June 15.
- Hoisting apparatus. P. J.-M. T. Allard. 2,453,082, Nov. 2.
- Hoisting device. C. E. Pierce. 2,446,488, Aug. 3.
- Hoisting slings, Producing. A. Mazzella. 2,435,088, Jan. 27.
- Hoisting tower apparatus. H. A. and G. H. Wagner. 2,440,495, Apr. 27.
- Holddown bracket. F. J. Burns. 2,449,275, Sept. 14.
- Holder: See—
- Abrasive disc holder. Gate holder.
- Adjustable hose holder. Hairpin holder.
- Adjustable multiple plate holder. Hand rail and reed holder.
- Adjustable sash holder. Heavy duty electrode holder.
- Air-cooled electrode holder. Hood holder.
- Article holder. Hydraulic cylinder and packing holder.
- Articulated bobbin holder. Incandescent and fluorescent lamp holder.
- Automatic cigarette holder. Iron cord holder.
- Baby bottle holder. Iron holder.
- Bag holder. Key holder.
- Battery bracket and holder. Keyway cutter holder.
- Bed cover holder. Lamp holder.
- Blade holder. Lamp shade holder.
- Bobbin holder. License plate holder.
- Bottle holder. Line holder.
- Broach holder. Lipstick holder.
- Brush holder. Magazine razor blade holder.
- Capacity brush holder. Match pack holder.
- Carbon holder. Metal lens holder.
- Christmas tree holder. Mop holder.
- Cigarette holder. Napkin holder.
- Cigarette package holder. Necktie holder.
- Clothesline holder. Nozzle holder.
- Collapsible tube holder. Nursing bottle holder.
- Combination calendar and memorandum holder. Paintbrush holder.
- Commutator brush holder. Paper roll holder.
- Combination jar wrench and holder. Pencil holder.
- Condiment holder. Photographic film holder.
- Cop holder. Photographic plate and film holder.
- Copy holder. Photographic suction holder.
- Cord holder. Picture holder.
- Cosmetic holder. Pole holder.
- Cravat holder. Portable wire reel holder.
- Crayon holder. Quick-change lathe tool holder.
- Crystal holder. Radium holder.
- Cutter torch holder. Razor blade holder.
- Cuff holder. Ready-reference card index holder.
- Cylinder holder. Sack holder.
- Dental floss holder. Sadrion holder.
- Die holder. Sandpaper holder.
- Disk record holder. Sandwich holder.
- Dispensing roll holder. Sanitary dental floss holder.
- Doctor holder. Sanitary napkin holder.
- Door and closure holder. Sash holder.
- Door holder. Security door holder.
- Dressing tool holder. Sheet holder.
- Egg holder. Shoe holder.
- Ejector type electrode holder. Soap holder.
- Electrical iron holder. Spark plug display holder.
- Electrode holder. Steel tape holder.
- Eraser holder. Steel wool holder.
- Expandable workpiece holder. Stenographic notebook holder.
- Expanding cake holder. Sterile needle holder.
- Film-developing holder. Switch box holder.
- Fishhook holder. Tap holder.
- Fishing bait holder. Test tube holder.
- Fishing pole holder. Thread guide holder.
- Fishing rod holder. Ticket holder.
- Flash holder. Token holder.
- Flashlight holder. Tool holder.
- Floating tool holder. Toothbrush holder.
- Flowerpot holder. Towel or cloth holder.
- Game board holder.
- Garbage can holder.
- Gas holder.

Holder: See—Continued

- Tube holder.
 Tubular lamp holder.
 Unitary andiron locking fuel holder.
 Utility holder.
 Vacuum work holder.
 Weed cutter and holder.
 Holder. M. Cohen. 2,435,818, Feb. 10.
 Holder. J. E. Donaldson. 2,455,857, Dec. 7.
 Holder. O. H. Haller. 2,451,550, Oct. 19.
 Holder. F. H. Post. 2,442,570, June 1.
 Holder and bait digging apparatus, Fishing rod. E. W. Sonner, Jr. 2,451,363, Oct. 12.
 Holder and burglar alarm, Combined door. J. E. Olvis. 2,447,526, Aug. 24.
 Holder and carrier, Bottle. W. A. Bertram. 2,442,636, June 1.
 Holder and carrier, Bottle. W. A. Bertram. 2,457,027, Dec. 21.
 Holder and carrier for bottles and the like. J. M. and C. T. Falk. 2,454,438, Nov. 23.
 Holder and casing, Lipstick. M. C. Garrett. 2,441,017, May 4.
 Holder and cutter, Thread. C. W. Newton. 2,445,629, July 20.
 Holder and drier, Smoking pipe. W. H. Moore. 2,447,084, Aug. 17.
 Holder and extinguisher, Cigarette. A. F. Walton. 2,440,882, May 4.
 Holder and film envelope to be used therewith, Film. J. A. Reyniers. 2,447,468, Aug. 17.
 Holder and sharpener, Knife. O. A. Dirksen. 2,441,690, May 18.
 Holder and stop, Door. H. P. Clausen. 2,445,514, July 20.
 Holder attachment, Toilet paper. A. Foltis. 2,449,598, Sept. 21.
 Holder dispenser for roll sheet material. G. L. Hall. 2,451,215, Oct. 12.
 Holder for abrasives, detergents, and polishing materials. T. C. Kelly. 2,446,653, Aug. 10.
 Holder for arc welders, Electrode. U. P. Udesen. 2,434,023, Jan. 6.
 Holder for artificial teeth. J. R. King. 2,453,518, Nov. 9.
 Holder for bits, Wedge-grip. C. L. Bowman. 2,434,256, Jan. 13.
 Holder for cards and photographs. M. B. Hall. 2,438,997, Apr. 6.
 Holder for cigars and cigarettes. Z. Chneerson and A. Razdowitz. 2,454,631, Nov. 23.
 Holder for disk-type phonograph records. W. Daymon. 2,446,641, Aug. 10.
 Holder for double-edged wafer type blades. C. F. Bennett. 2,437,928, Mar. 16.
 Holder for electric irons, Cord. G. Gunderson. 2,440,045, Apr. 20.
 Holder for electric motors, Brush. V. Weber. 2,448,850, Sept. 7.
 Holder for electrolytic baths, Small parts. H. W. Kugler. 2,434,417, Jan. 13.
 Holder for evaporators, Wick. M. Bell. 2,452,424, Oct. 26.
 Holder for fasteners. E. L. Krieg. 2,457,689, Dec. 28.
 Holder for fastening attaching means. W. I. Jones. 2,453,990, Nov. 16.
 Holder for fishing poles. C. W. Young. 2,452,279, Oct. 26.
 Holder for flashlights, Position. J. L. Lemerond. 2,451,228, Oct. 12.
 Holder for fluid processing, Film tensioning. D. A. Albert. 2,450,178, Sept. 28.
 Holder for fluorescent lamps. E. R. Kulka. 2,449,394, Sept. 14.
 Holder for game devices. N. H. Running. 2,435,698, Feb. 10.
 Holder for ice cards, Rotatable. A. M. La Brant. 2,437,826, Mar. 16.
 Holder for illuminated decorative lighting devices, Heat and light concentrating. L. Barnett. 2,453,962, Nov. 16.
 Holder for individual stencils and the like. H. Roher. 2,451,775, Oct. 19.
 Holder for intravenous apparatus. A. J. Daniels. 2,449,882, Sept. 21.
 Holder for knives, forks, spoons, and the like. T. B. Owens. 2,440,207, Apr. 20.
 Holder for lipsticks and the like. C. W. Mellette. 2,453,754, Nov. 16.
 Holder for manifolded typewriters, Carbon pack. J. C. Doyle. 2,441,622, May 18.
 Holder for microtomes, Knife. H. N. Ott. 2,439,671, Apr. 13.
 Holder for multicolor printings, Stencil and work. H. Summer. 2,444,860, July 6.
 Holder for opaque picture projectors, Object. W. W. Frost. 2,449,112, Sept. 14.
 Holder for opening eggs, Handling. J. H. Millholland. 2,433,957, Jan. 6.
 Holder for paint buckets and the like. W. C. Gebhardt. 2,444,986, July 13.
 Holder for photographic cameras, Sensitive-material. M. B. Moore. 2,450,841, Oct. 5.
 Holder for piezoelectric crystal units. H. F. Fruth. 2,434,265, Jan. 13.
 Holder for precision indicators, Adjustable. R. D. Collins. 2,456,383, Dec. 14.
 Holder for pressing irons. L. Thomson. 2,439,438, Apr. 13.
 Holder for rupture buttons and the like. J. G. Towns. 2,453,168, Nov. 9.
 Holder for sheet material. E. C. Blaske. 2,452,426, Oct. 26.
 Holder for small articles, Sanitary. L. A. Casnati. 2,439,335, Apr. 6.
 Holder for spinning machines, Adjustable ring. L. S. Peachey and R. P. Knull. 2,445,966, July 27.
 Holder for surgical accessories. J. D. Karle. 2,446,155, July 27.
 Holder for thermionic tubes. G. Wagstaff. 2,455,324, Nov. 30.
 Holder for thermionic valves and other electrical devices. G. Wagstaff. 2,454,018, Nov. 16.
 Holder for thermionic valves and other electrical devices. G. Wagstaff. 2,456,572, Dec. 14.
 Holder for tubular lamps. J. D. Diver. 2,446,461, Aug. 3.
 Holder for tubular lamps. R. W. Haven. 2,446,154, July 27.
 Holder for tubular lamps, Lamp. J. Weritz. 2,436,706, Feb. 24.
 Holder for whetstones. W. D. Dunn. 2,453,207, Nov. 9.
 Holder of plastic material for pocket combs and the like, Making. C. E. Maynard. 2,454,194, Nov. 16.
 Holder of quartz oscillator plates, Multiple. H. L. Bloxom and E. M. Shideler. 2,452,351, Oct. 26.
 Holder with slide, Card. D. G. Dimit. 2,447,903, Aug. 24.
 Holders and dispensers, Embroidery floss. D. E. Motz. 2,446,383, Aug. 3.
 Holders and display devices, Fabricating merchandise. F. H. Bowers. 2,455,109, Nov. 30.
 Holders, Lamp. A. H. Laidig. 2,438,012, Mar. 16.
 Holders, Making plastic comb. C. E. Maynard. 2,437,884, Mar. 16.
 Holding apparatus with piston through which pressure fluid is passed. W. P. Cousino. 2,453,785, Nov. 16.
 Holding device. G. F. Felton. 2,452,116, Oct. 26.
 Holding device. J. E. Forry. 2,434,152, Jan. 6.
 Holding device. C. F. Telfor. 2,451,993, Oct. 19.
 Holding device, Battery. F. E. Brown. 2,451,532, Oct. 19.
 Holding device, Carbon. L. K. Fleischmann. 2,441,016, May 4.
 Holding device, Corner. F. J. Kendall. 2,450,091, Sept. 28.
 Holding device for bathroom accessories. A. Marchand. 2,440,867, May 4.
 Holding device for finishing machines. W. C. Glover, Jr. 2,436,255, Feb. 17.
 Holding device, Rail. J. R. Snyder. 2,451,414, Oct. 12.
 Holding device, Sleeve. E. L. Corley. 2,447,491, Aug. 24.
 Holding device, Window sash. M. Tykeson. 2,435,481, Feb. 3.
 Holding fixture for coating optical elements. W. Lange. 2,453,141, Nov. 9.
 Holding means for ice cream cans and cartons. J. P. Williams. 2,446,315, Aug. 3.
 Holding mechanism for welding stud ferrules. A. M. Candy. 2,447,113, Aug. 17.
 Hole closure knock-out plug. W. Peters. 2,444,268, June 29.
 Hole cutter. B. W. Frevel. 2,435,648, Feb. 10.
 Hole forming device. E. R. Joynes. 2,442,813, June 8.
 Hole lapping machine. A. M. Drake. 2,438,695, Mar. 30.
 Hole locating and drilling device. H. G. Whitmore. 2,435,256, Feb. 3.
 Hollow article and making same. F. V. Cowan. 2,448,173, Aug. 31.
 Hollow articles by dipping, Production of. L. Landau. 2,451,961, Oct. 19.
 Hollow articles from oriented polymer, Forming. R. W. Canfield, F. E. Wiley, and A. M. Guerreiro. 2,439,716, Apr. 13.
 Hollow articles, Molding of. T. L. Johnson. 2,456,513, Dec. 14.
 Hollow cavities bodies such as rigid hollow panel structures and making the same. D. Gonda. 2,445,290, July 13.
 Hollow concrete building units, Molding. F. V. Pelatowski. 2,443,961, June 22.
 Hollow concrete walls, Form for molding. R. W. Rumble. 2,442,962, June 8.
 Hollow glass articles, such as bottles, Cooling. T. C. Baker. 2,443,674, June 22.
 Hollow objects, Molding. C. A. Evans. 2,451,934, Oct. 19.
 Hollow plastic articles, Method of and apparatus for manufacturing. W. H. Parmelee. 2,443,053, June 8.
 Hollow poppet valves, Making. K. M. Bartlett and E. G. Pekarek. 2,452,628, Nov. 2.
 Hollow propeller blades, Making. B. B. Duncan. 2,442,641, June 1.
 Hollow sections, Spot welding. C. E. Meissner. 2,451,442, Oct. 12.
 Hollow valves, Making. J. E. Cunningham and R. A. Kempe. 2,452,636, Nov. 2.
 Hollow-walled carton. W. P. Frankenstein. 2,451,209, Oct. 12.
 Holster. R. M. Williams. 2,434,380, Jan. 13.
 Holster, Natural draw. W. J. Myres. 2,443,397, June 15.

- Holster, Waterproof pistol. B. V. Witte. 2,455,635, Dec. 7.
- Homogeneous partially chlorinated derivatives of rubber, Preparing. C. Koningsberger. 2,448,809, Sept. 7.
- Homogenizer. A. M. Kinney and A. N. Jergens. 2,452,661, Nov. 2.
- Homogenizing unit. G. F. Galewski. 2,435,884, Feb. 10.
- Honda. H. V. Cross. 2,453,497, Nov. 9.
- Hone. W. F. Mitchell. 2,445,277-8, July 13.
- Hone, Adjustable. J. J. Palotsee. 2,443,268, June 15.
- Hone, Cylinder. E. D. Wilkerson. 2,443,941, June 22.
- Honing and filing device. R. O. Hein. 2,437,641, Mar. 9.
- Honing, Cylinder. V. W. Peterson. 2,439,317, Apr. 6.
- Honing device. L. G. Pentecost. 2,445,492, July 20.
- Honing device, Razor. V. Munno. 2,451,860, Oct. 19.
- Honing tool. C. E. Beck. 2,445,015, July 13.
- Hood and fender, Vehicle compartment. B. J. Craig. 2,447,397, Aug. 17.
- Hood, Expandible. J. De Grazia and R. R. Oberrender. 2,446,530, Aug. 10.
- Hood, Field Jacket. J. De Grazia. 2,439,382, Apr. 13.
- Hood holder. F. D. Stegall. 2,434,598, Jan. 13.
- Hood, Protective. J. De Grazia. 2,448,021, Aug. 31.
- Hood, Protective. R. N. Schroeder. 2,447,433, Aug. 17.
- Hood, Slasher. W. W. Myers. 2,443,924, June 22.
- Hook: See—
- Arresting hook. Door hook.
- Automatic hook. Expandible fish hook.
- Braid-stitch crochet hook. Gaff weigh hook.
- Cargo hook. Rotary hook.
- Conductor pipe hook. Suspension hook.
- Hook. T. G. Persson. 2,453,670, Nov. 9.
- Hook. R. F. Tatom. 2,454,894, Nov. 30.
- Hook and knife unit for chenille machines. W. A. Behrens. 2,436,545, Feb. 24.
- Hook attachment for ladders. G. K. Hurd. 2,439,430, Apr. 13.
- Hook attachment for ladders. G. K. Hurd. 2,448,716, Sept. 7.
- Hook device for grounded aircraft pilot trainers, Arresting. R. B. Buchanan. 2,451,609, Oct. 19.
- Hook, Door. F. L. Thompson. 2,436,533, Feb. 24.
- Hook, Drapery. E. C. Swanson. 2,448,637, Sept. 7.
- Hook for sewing machine, Rotary. C. A. Kessler. 2,435,358, Feb. 3.
- Hook guard. H. Hippler. 2,454,698, Nov. 23.
- Hook inserting tool. L. Simonin. 2,437,762, Mar. 16.
- Hook mechanism, Sewing-machine. R. K. Hohmann. 2,452,756, Nov. 2.
- Hooks for vehicle tires, Mud and snow. H. W. Grosjean. E. M. A. Sizer, and A. Zinda. 2,445,913, July 27.
- Hop separator. H. H. Weiss and S. A. Tabacchi. 2,438,590, Mar. 30.
- Hopper and door mechanism for rotary-drum mixers, Charging. L. E. Joseph. 2,447,413, Aug. 17.
- Hopper assembly with solenoid operated gate. E. J. Vagim. 2,445,501, July 20.
- Hopper, Cartridge orientating. J. H. Woodberry and F. W. Hoewischer. 2,453,736, Nov. 16.
- Hopper, Mobile grain. F. A. Mulligan. 2,445,886, July 27.
- Hopper gate. M. C. Fors. 2,448,303, Aug. 31.
- Horizontal liquid current separator. J. M. Aurilio and J. H. Scheffer. 2,453,293, Nov. 9.
- Horizontally swinging bracket supported auxiliary chair. R. J. Littlejohn. 2,446,376, Aug. 3.
- Horn control. L. D. Bell. 2,450,933, Oct. 12.
- Horn, Electromagnetic. W. L. Barrow. Re. 23,003, May 25.
- Horn, Saddle. J. P. Baldwin. 2,451,651, Oct. 19.
- Horn, Steam operated. K. V. Ozols. 2,434,175, Jan. 6.
- Horse tie. D. S. Young. 2,449,189, Sept. 14.
- Hose. A. E. Chernaack. 2,448,485, Aug. 31.
- Hose clamp. G. Gustafson. 2,455,760, Dec. 7.
- Hose clamp. A. A. Kollman. 2,452,245, Oct. 26.
- Hose clamp. E. L. Weber. 2,449,798, Sept. 21.
- Hose connection, Air. J. J. Nelson. 2,449,245, Sept. 14.
- Hose coupling. W. C. Calcott. 2,438,472, Mar. 23.
- Hose coupling. C. H. Crawley. 2,447,900, Aug. 24.
- Hose coupling. J. W. Hughes. 2,438,750, Mar. 30.
- Hose coupling. A. P. Lofquist, Jr. 2,440,178, Apr. 20.
- Hose coupling. F. C. Morrison. 2,434,219, Jan. 6.
- Hose fitting. J. B. Brennan. 2,437,933, Mar. 16.
- Hose, Flexible metal. E. T. Candee and A. R. Anderson. 2,438,146, Mar. 23.
- Hose, Flexible metal. L. B. Doane and F. B. Bentley. 2,449,369, Sept. 14.
- Hose handling apparatus. L. J. and J. F. White. 2,451,368, Oct. 12.
- Hose insert. H. J. Knaggs. 2,446,599, Aug. 10.
- Hose rack. J. Bernstein. 2,434,140, Jan. 6.
- Hose, Radiator connection. O. C. Gotschall. 2,447,697, Aug. 24.
- Hose storage reel. B. F. Souther. 2,438,306, Mar. 23.
- Hose support. M. W. Speller and H. G. Hill. 2,440,982, May 4.
- Hosiery and knitting same. J. H. Mueller. 2,441,835, May 18.
- Hosiery and producing same. H. Marsland. 2,444,403, June 29.
- Hosiery and shoe covering, Woman's protective. S. Sabaneff. 2,438,826, Mar. 30.
- Hosiery, Circular knit. E. W. Clarke. 2,435,770, Feb. 10.
- Hosiery drying table. A. S. Mann and H. Campbell. 2,444,783, July 6.
- Hosiery handling and inspecting apparatus. E. R. Ammon. 2,454,622, Nov. 23.
- Hosiery protector. F. L. Harriman. 2,449,115, Sept. 14.
- Hosiery supporting means. E. J. Young. 2,437,583, Mar. 9.
- Hospital bed signal. W. R. Liefers and R. T. Adams. 2,436,518, Feb. 24.
- Hotbox cooler. S. W. Clutton. 2,452,731, Nov. 2.
- Hot clamp. H. M. Pernini and N. F. Contardi. 2,439,347, Apr. 6.
- Hot gases, Quenching of. J. D. Upham. 2,443,210, June 15.
- Hot line jumper clamp. R. B. Schoonmaker. 2,453,761, Nov. 16.
- Hot liquid pump. E. B. Schwenk. 2,445,127, July 13.
- Hot materials, Molding. J. E. Wiss and R. B. Wagner. 2,434,780, Jan. 20.
- Hot-rolled ferrous metal, Descaling and coating. S. C. Cook. 2,442,485, June 1.
- Hot top, Sectional. E. Marburg. 2,444,838, July 6.
- Hot-water system supply, Temperature limiting. H. Krauss. 2,455,590, Dec. 7.
- Hot-water tank. E. Rawson. 2,435,981, Feb. 17.
- Hot-water treatment of vinyl resin light-polarizing sheet. F. J. Binda. 2,453,186, Nov. 9.
- Hot wire clamp. B. S. Thompson. 2,448,402, Aug. 31.
- House, Animal. J. A. Capaul. 2,445,055, July 13.
- House, Collapsible. J. T. Lawrence. 2,448,895, Sept. 7.
- House construction. H. Scharnhorst. 2,445,368, July 20.
- House construction, Prefabricated and demountable. H. L. Gogerty. 2,438,604, Mar. 30.
- House construction, Prefabricated metal. C. I. Auten. 2,439,960, Apr. 20.
- House, Doll. J. K. Makrianes. 2,441,076, May 4.
- House for nurseries, Metal flat-top. C. F. Powell. 2,444,309, June 29.
- House structural set, Doll's. G. Guelicher. 2,441,761, May 18.
- Household trash can. J. C. Rogers and R. Sims. 2,456,840, Dec. 21.
- Housing, Air impeller. F. C. Lindvall, P. K. Beemer, and P. H. Montgomery. 2,442,420, June 1.
- Housing, Centrifugal blower. R. H. Brown. 2,456,488, Dec. 14.
- Housing for electrical apparatus, Insulating. B. E. Spiro. 2,457,002, Dec. 21.
- Housing for film projectors, Lamp. L. Frankel. 2,452,646, Nov. 2.
- Housing for piezoelectric elements, Moistureproof. C. H. Wintermute. 2,454,244, Nov. 16.
- Housing for suction cleaners, Split cylindrical. C. H. Sparklin. 2,438,133, Mar. 23.
- Housing, Oil burner blower. E. Camerino. 2,456,673, Dec. 21.
- Housing with dish-shaped sides, Disintegrator. C. W. Lanter. 2,435,226, Feb. 3.
- Hub. J. H. Wessel. 2,435,764, Feb. 10.
- Hub adapter, Emergency. F. B. Martin, Jr. 2,453,635, Nov. 9.
- Hubcap, Wheel. G. A. Lyon. 2,444,054, June 29.
- Hub structure. C. J. Hahn. 2,452,458, Oct. 26.
- Hull, Concave hydroplane. W. B. Jutte. 2,450,665, Oct. 5.
- Hull construction, Ship. A. H. Lackie. 2,440,408, Apr. 27.
- Humidifier. J. J. Rozner. 2,446,665, Aug. 10.
- Humidifier for containers, Visible reservoir. F. A. Krause. 2,443,139, June 8.
- Humidifying oxygen. J. A. Heidbrink and C. G. Herrick. 2,437,526, Mar. 9.
- Humidity and temperature responsive device. L. W. Burch. 2,444,030, June 29.
- Humidity control. J. J. Bauman. 2,440,628, Apr. 27.
- Humidity control, Refrigerator. J. J. Bauman. 2,454,855, Nov. 30.
- Humidity modifying and heat conserving means. S. J. Benn. 2,445,102, July 13.
- Hunting and fishing garment. H. M. Hutchinson. 2,448,804, Sept. 7.
- Husking mechanism. H. W. Churchill. 2,442,231, May 25.
- Hutch for small livestock. M. H. Brossia. 2,436,095, Feb. 17.
- Hydrated polysilicate, manufacture of. W. F. Wegst and J. H. Willis. Re. 23,043, Oct. 5.
- Hydraulic actuating mechanism for dump trucks. H. O. Day. 2,449,202, Sept. 14.
- Hydraulic actuating mechanism for mobile loading apparatus. N. E. Torgersen. 2,445,160, July 13.
- Hydraulic apparatus. W. C. Denison, Jr. 2,455,330, Nov. 30.
- Hydraulic apparatus. T. E. Raymond. 2,455,271, Nov. 30.
- Hydraulic booster. J. D. Buchanan. 2,442,916, June 8.
- Hydraulic brake. N. O. Myklestad. 2,453,808, Nov. 16.
- Hydraulic brake actuator. R. A. Goepfrich. 2,445,061, July 13.
- Hydraulic brake mechanism. W. Stelzer. 2,438,723, Mar. 30.
- Hydraulic brake pipe coupling. A. A. Pommer. 2,436,327, Feb. 17.
- Hydraulic bumper jack. H. E. Page. 2,450,608, Oct. 5.

- Hydraulic circuit for halting reciprocable rams. L. C. Cole. 2,437,077, Mar. 2.
- Hydraulic classifier employing vertical and vortical currents. E. L. Wiegand. 2,442,522, June 1.
- Hydraulic clutch. A. F. Hickman. 2,453,981, Nov. 16.
- Hydraulic clutch. C. A. Robertson. 2,449,717, Sept. 21.
- Hydraulic clutch and final drive shaft unit for tractor vehicles. W. T. Stephens. 2,435,244, Feb. 3.
- Hydraulic clutch control. F. L. Lawrence. 2,437,430, Mar. 9.
- Hydraulic clutch of the transversely movable piston type. J. F. Ekleberry. 2,442,999, June 8.
- Hydraulic control oil ring. F. D. Frisby and M. W. Marien. 2,446,224, Aug. 3.
- Hydraulic control system for pump control, Mechanically actuated. J. A. Muller and W. R. Tucker. 2,437,115, Mar. 2.
- Hydraulic control valve. J. Trantin, Jr. 2,455,625, Dec. 7.
- Hydraulic cylinder and packing holder. W. H. Cooper. 2,456,623, Dec. 21.
- Hydraulic device for controlling several members with a predetermined automatic interdependency. R. F. Pouille. 2,445,081, July 13.
- Hydraulic drive. A. A. Kucher. 2,447,348, Aug. 17.
- Hydraulic drive, Variable-speed. H. B. Breedlove. 2,434,546, Jan. 13.
- Hydraulic drum jack and carrier. T. Tietsema. 2,437,982, Mar. 16.
- Hydraulic expandible chamber motor with longitudinally extensible cylinder. R. R. Hays. 2,441,881, May 18.
- Hydraulic fluid. K. E. Walker. 2,455,961, Dec. 14.
- Hydraulic fluid, Noncombustible. F. J. Glavis and H. T. Neher. 2,455,117, Nov. 30.
- Hydraulic governor. G. W. A. Green, J. Bujak, and R. E. Rutherford. 2,445,113, July 13.
- Hydraulic gun. A. R. Gamache. 2,439,566, Apr. 13.
- Hydraulic gyro, Vertical. B. G. Carlson. 2,445,388, July 20.
- Hydraulic hoist system. G. A. Kane. 2,437,161, Mar. 2.
- Hydraulic hoisting mechanism. E. Hall. 2,437,466, Mar. 9.
- Hydraulic hose coupling. C. W. Bopp. 2,453,741, Nov. 16.
- Hydraulic internal line-up clamp. H. C. Price and B. V. Elliott. 2,452,867, Nov. 2.
- Hydraulic jack. L. Berg. 2,456,105, Dec. 14.
- Hydraulic jack. M. W. Humphreys. 2,451,390, Oct. 12.
- Hydraulic jack. J. J. Mueller. 2,434,282, Jan. 13.
- Hydraulic jack. J. J. Mueller. 2,434,949, Jan. 27.
- Hydraulic jack. J. J. Mueller. 2,452,482, Oct. 26.
- Hydraulic lock. W. C. Oliver. 2,453,855, Nov. 16.
- Hydraulic jack. H. E. Page. 2,439,183, Apr. 6.
- Hydraulic jack. H. E. Page. 2,455,440, Dec. 7.
- Hydraulic machine, Rotary. E. K. Benedek. 2,452,541, Nov. 2.
- Hydraulic mechanism, especially plural cylinder system and control therefor. F. T. Court. 2,450,270, Sept. 28.
- Hydraulic mechanism for synchronizing a plurality of prime movers with a master prime mover. J. A. Spanogle. 2,455,390, Dec. 7.
- Hydraulic motor and control therefor. M. F. Gunning. 2,442,125, May 25.
- Hydraulic motor means for actuating nested distributing valves. K. V. Anderson. 2,444,083, June 29.
- Hydraulic oil pump. P. S. Mefferd. 2,433,918, Jan. 6.
- Hydraulic overload-release device or cushion for presses. W. T. Stephens. 2,438,951, Apr. 6.
- Hydraulic piston ring expander and piston head cooling device. J. L. Ippolito. 2,442,271, May 25.
- Hydraulic power pack unit. B. N. Ashton. 2,444,550, July 6.
- Hydraulic power transmission with flow control by-pass valve. J. J. George. 2,447,406, Aug. 17.
- Hydraulic power transmission with flow control by-pass valve. R. L. Tweedale. 2,447,441, Aug. 17.
- Hydraulic power transmission with flow control valve. R. L. Tweedale and J. J. George. 2,447,442, Aug. 17.
- Hydraulic press. S. J. Fazio. 2,438,433, Mar. 23.
- Hydraulic pressure intensifier unit. G. R. Elliott. 2,455,984, Dec. 14.
- Hydraulic pressure multiplying system. H. E. Page. 2,442,057, May 25.
- Hydraulic pulsator drive mechanism. L. E. Deloghia. 2,444,018, June 22.
- Hydraulic pulsator system and make-up means therefor. L. E. Hughes. 2,437,821, Mar. 16.
- Hydraulic pump. D. G. Booth. 2,440,072, Apr. 20.
- Hydraulic pump. R. F. Horton. 2,457,101, Dec. 21.
- Hydraulic pump. A. F. O'Hara. 2,453,929, Nov. 16.
- Hydraulic pump. C. H. Rystrom. 2,445,281, July 13.
- Hydraulic remote operating system. E. Dawson, F. M. Watkins, and C. N. Schuh, Jr. 2,445,765, July 27.
- Hydraulic removal of gel. P. D. Isanogle and M. H. Replogle. 2,445,221, July 13.
- Hydraulic selector valve. D. D. Paxton. 2,451,575, Oct. 19.
- Hydraulic selector valve mechanism for hydraulic servomotors. S. H. Edge. 2,438,389, Mar. 23.
- Hydraulic speed control apparatus. W. R. Tucker. 2,437,139, Mar. 2.
- Hydraulic system. R. B. Sprague and L. E. Berthelson. 2,441,040, May 4.
- Hydraulic system. A. R. Stone. 2,441,339, May 11.
- Hydraulic system for reciprocating breaker plates for reversible rotary crushers. F. J. Wright. 2,440,388, Apr. 27.
- Hydraulic tappet. P. F. Bergmann. 2,438,631, Mar. 30.
- Hydraulic telescoping lifting jack. R. F. E. Stegeman. 2,453,350, Nov. 9.
- Hydraulic transmission. S. A. Kraft. 2,443,074, June 8.
- Hydraulic transmission. O. F. Runde. 2,434,590, Jan. 13.
- Hydraulic transmission. S. V. E. Taylor. 2,437,448, Mar. 9.
- Hydraulic transmission and control. G. A. Wahlmark. 2,452,704, Nov. 2.
- Hydraulic transmission for machine tools. I. J. Snader. 2,436,406, Feb. 24.
- Hydraulic transmission for outboard motors. S. F. Shields. 2,445,369, July 20.
- Hydraulic transmission mechanism for vehicle drive axles. R. A. Irwin. 2,441,703, May 18.
- Hydraulic transmissions, Pressure selector and corrector for bound-up automatic. A. Kégresse. 2,440,590, Apr. 27.
- Hydraulic type log debarker having plural log-rotating chucks independently revolvable about a common axis. F. H. Swift. 2,453,947, Nov. 16.
- Hydraulic valve. H. E. Page. 2,445,334, July 20.
- Hydraulic valve assembly for motor control. H. R. Sanders. 2,443,964, June 22.
- Hydraulic vise. V. C. Miller. 2,444,304, June 29.
- Hydraulic wheel drive. M. D. Duhaime. 2,438,040, Mar. 16.
- Hydraulically operated artificial body member. F. V. Eberle and H. Hansen. 2,442,530, June 1.
- Hydroaromatic sulfonates and their preparation. H. Schindler. 2,455,811, Dec. 7.
- Hydrocaffeic acid and esters as antioxidants. L. W. Elder and H. S. Levenson. 2,437,731, Mar. 16.
- Hydrocarbon alkylation process. C. S. Kelley. 2,448,601, Sept. 7.
- Hydrocarbon and the like, Producing. H. V. Atwell. 2,452,712, Nov. 2.
- Hydrocarbon coking. A. H. Schutte. 2,456,796, Dec. 21.
- Hydrocarbon composition, Halogenated. F. M. Clark and E. L. Raab. 2,453,493, Nov. 9.
- Hydrocarbon concentration in soil samples, Determination of. E. E. Roper. 2,437,045, Mar. 2.
- Hydrocarbon conversion. A. Dydzyszynski. 2,456,557, Dec. 14.
- Hydrocarbon conversion. E. T. Layng and F. T. Suman, Jr. 2,453,327, Nov. 9.
- Hydrocarbon conversion. D. Read, Jr. 2,434,434, Jan. 13.
- Hydrocarbon conversion. R. P. Russell, E. V. Murphree, and C. E. Hemminger. 2,438,456, Mar. 23.
- Hydrocarbon conversion. W. A. Schulze. 2,448,402, June 15.
- Hydrocarbon conversion. T. P. Simpson. 2,439,372, Apr. 6.
- Hydrocarbon conversion by contact with active catalyst and inert solid heat carrying material. F. W. Rose and F. W. Steuber. 2,441,170, May 11.
- Hydrocarbon conversion catalyst, Making a. G. C. Connolly. 2,448,960, Sept. 7.
- Hydrocarbon conversion in presence of added terpenes plus nonmetallic bromine compounds. H. O. Folkins. 2,441,240, May 11.
- Hydrocarbon conversion in the presence of particle from catalysts. F. C. Fahnestock and W. Ullrich. 2,434,843, Jan. 20.
- Hydrocarbon conversion process. J. A. Crowley, Jr., and O. G. Hayes. 2,437,222, Mar. 2.
- Hydrocarbon conversion process. B. L. Evering and A. P. Lien. 2,449,463, Sept. 14.
- Hydrocarbon conversion process. D. Read, Jr. 2,435,158, Jan. 27.
- Hydrocarbon conversion process. S. P. Robinson. 2,439,023, Apr. 6.
- Hydrocarbon distillates, Refining of. J. B. Heid. 2,454,383, Nov. 23.
- Hydrocarbon fluids, Heating of. L. Kniel, P. Lambert, and H. R. Treat. 2,456,786, Dec. 21.
- Hydrocarbon fluids, Process and apparatus for heating. L. Kniel. 2,456,787, Dec. 21.
- Hydrocarbon fluids, Treating. C. E. Hemminger and C. W. Tyson. 2,447,577, Aug. 24.
- Hydrocarbon isomerization, Paraffin. E. Solomon. 2,434,338, Jan. 13.
- Hydrocarbon gases in the presence of finely divided coke, Cracking. M. H. Arveson. 2,443,714, June 22.
- Hydrocarbon liquids, Refining. G. W. Ayers and P. Lyon. 2,435,732, Feb. 10.
- Hydrocarbon material containing organic halogen compounds as impurities, Purifying a. J. W. Brooks and J. B. Kirkpatrick. 2,435,621, Feb. 10.
- Hydrocarbon oils with finely divided catalyst, Conversion of. E. W. S. Nicholson. 2,456,306, Dec. 14.
- Hydrocarbon resin-sulfurized oil composition. F. J. Soday. 2,436,456, Feb. 24.
- Hydrocarbon resins and compositions containing the same. F. J. Soday. 2,445,643, July 20.
- Hydrocarbon-substituted phenol-formaldehyde condensates modified in the phenolic hydroxyl. L. H. Bock and J. L. Rainey. 2,454,545, Nov. 23.
- Hydrocarbon-substituted thiacyclopentane-1,1-dioxide. R. C. Morris. 2,439,345, Apr. 6.

- Hydrocarbon synthesis. L. I. Griffin and C. E. Jahnig. 2,436,568, Feb. 24.
- Hydrocarbon synthesis. W. G. Scharmann. 2,451,879, Oct. 19.
- Hydrocarbon synthesis. S. B. Sweetser. 2,453,374, Nov. 16.
- Hydrocarbon synthesis with fluidized catalyst regeneration. E. A. Johnson. 2,447,505, Aug. 24.
- Hydrocarbon treatment, Residual. J. R. Bates. Re. 22,957, Jan. 6.
- Hydrocarbons, Alkylating. F. E. Frey, P. V. McKinney, and W. H. Wood. 2,445,824, July 27.
- Hydrocarbons, Alkylation of. C. M. Thacker. 2,435,761, Feb. 10.
- Hydrocarbons and apparatus therefor, Cracking. G. L. Johnson and W. A. Hagerbaumer. 2,444,650, July 6.
- Hydrocarbons and improved catalysts therefor, Isomerization of. C. O. Meyers. 2,450,764, Oct. 5.
- Hydrocarbons and olefins, Continuously reacting saturated tertiary. A. A. Draeger and C. T. Shewell. 2,433,944, Jan. 6.
- Hydrocarbons and regeneration of synthesis catalyst, Synthesis of. E. A. Johnson. 2,455,419, Dec. 7.
- Hydrocarbons by contact with concentrated sulfuric acid in silica gel, Condensation of. F. C. Ciapetta. 2,434,833, Jan. 20.
- Hydrocarbons, Catalysis of. J. R. Bates. 2,454,369, Nov. 23.
- Hydrocarbons, Catalytic conversion of. C. G. Gerhold and J. E. Burgess. 2,436,041, Feb. 17.
- Hydrocarbons, Chlorination of paraffinic. E. Gorin. 2,451,821, Oct. 19.
- Hydrocarbons containing branched carbon chains, Producing unsaturated. C. Winning and D. T. Rogers. 2,440,497, Apr. 27.
- Hydrocarbons, Conversion of. R. T. Bell. 2,451,375, Oct. 12.
- Hydrocarbons, Conversion of. H. R. Legatski. 2,440,751, May 4.
- Hydrocarbons, Cracking of. R. E. Burk. 2,448,015, Aug. 31.
- Hydrocarbons, Desulfurization of. F. C. Nachod. 2,442,982, June 8.
- Hydrocarbons, Extraction of. B. G. Wilkes, Jr. 2,439,534, Apr. 13.
- Hydrocarbons from carbon monoxide and hydrogen, Production of. J. F. Black. 2,435,551, Feb. 3.
- Hydrocarbons from nongem cyclic hydrocarbons by selective dehydrogenation, Separation of gem cyclic. V. N. Ipatieff and H. Pines. 2,435,443, Feb. 3.
- Hydrocarbons in presence of hot contact masses, Treating. E. J. Houdry. 2,452,569, Nov. 2.
- Hydrocarbons, Isomerization of alicyclic. C. G. Myers and A. N. Sachanen. 2,435,691, Feb. 10.
- Hydrocarbons, Isomerization of paraffinic. B. H. Shoemaker. 2,452,691, Nov. 2.
- Hydrocarbons, Manufacture of. L. Schmerling. 2,434,289, Jan. 13.
- Hydrocarbons, Methylation of aromatic. L. Schmerling. 2,447,599, Aug. 24.
- Hydrocarbons, Preparation of saturated. H. T. Quigg. 2,439,021, Apr. 6.
- Hydrocarbons, Producing aromatic. P. H. Johnson and R. B. Parker. 2,439,934, Apr. 20.
- Hydrocarbons, Production of liquid. L. Schmerling. 2,435,983, Feb. 17.
- Hydrocarbons, Refining aromatic. P. J. Wilson, Jr., J. H. Wells, and C. R. Liebel. 2,455,634, Dec. 7.
- Hydrocarbons, Removing impurities from. R. B. Perkins, Jr. 2,447,529, Aug. 24.
- Hydrocarbons, Separating. C. E. Morrell and M. W. Swaney. 2,453,853, Nov. 16.
- Hydrocarbons, Separation of. M. R. Lipkin. Re. 23,005, June 8.
- Hydrocarbons, Stabilizing. R. F. Robey, J. Fedirko, and A. E. Barnett. 2,445,367, July 20.
- Hydrocarbons, Stabilizing. R. F. Robey, J. Fedirko, and A. E. Barnett. 2,449,010, Sept. 7.
- Hydrocarbons, Synthesis of. A. Clark. 2,450,500, Oct. 5.
- Hydrocarbons, Treating. O. L. Davis and A. C. Nixon. 2,434,839, Jan. 20.
- Hydrocarbons, Treating. A. C. Nixon and D. L. Yabroff. 2,438,018, Mar. 16.
- Hydrocarbons, Treatment of. C. B. Linn. 2,451,568, Oct. 19.
- Hydrocarbons, Treatment of. C. L. Thomas and V. Haensel. 2,448,160, Aug. 31.
- Hydrocarbons, Treatment of liquid. C. O. Hoover. 2,455,061, Nov. 30.
- Hydrocarbons, Two-stage synthesis of. F. T. Barr and W. G. Scharmann. 2,434,537, Jan. 13.
- Hydrocarbons using as catalyst calcium oxide on calcium carbonate, Dehydrogenating. B. B. Corson and G. A. Webb. 2,444,035, June 29.
- Hydrocarbons using moving catalysts, Conversion of. J. D. Upham and I. L. Wolk. 2,436,340, Feb. 17.
- Hydrocarbons with a beryllium phosphate catalyst, Cracking of. G. R. Bond, Jr., and G. A. Mills. 2,435,196, Feb. 3.
- Hydrocarbons with activated magnesium silicates, Treatment of. W. A. La Lande, Jr. 2,451,564, Oct. 19.
- Hydrocarbons with boron-phosphate-alumina catalyst, Desulfurization of. R. C. Krug. 2,441,493, May 11.
- Hydrocarbons with catalyst particles, Method and apparatus for contacting. C. E. Jahnig and C. W. Tyson. 2,434,567, Jan. 13.
- Hydrocarbons with hydrogen fluoride and boron trifluoride in the presence of hydrogen, Catalytically treating. R. E. Burk. 2,446,998, Aug. 17.
- Hydrochloric acid, Making. F. L. Hunter. 2,436,432, Feb. 24.
- Hydrochlorination process. W. N. Axe. 2,434,093, Jan. 6.
- Hydrofluoric acid alkylation process. F. E. Frey. 2,450,038, Sept. 23.
- Hydrofluoric acid alkylation process. M. M. Marisic. 2,437,544, Mar. 9.
- Hydroforming process. A. B. Welty, Jr., and C. H. Holder. 2,447,043, Aug. 17.
- Hydrogel catalysts by distilling with butanol, Drying. J. A. Pierce and C. N. Kimberlin, Jr. 2,454,941, Nov. 30.
- Hydrogel, Producing an inorganic. J. A. Pierce and C. N. Kimberlin, Jr. 2,448,460, Aug. 31.
- Hydrogen and oxygen, Electrolytic production of. B. P. Sutherland, J. B. Thompson, C. H. Simpkinson, and D. D. Morris. 2,433,871, Jan. 6.
- Hydrogen bromide-catalyzed oxidation. F. F. Rust and J. H. Raley. 2,434,888, Jan. 20.
- Hydrogen bromide-catalyzed oxidation of organic compounds. W. E. Vaughan and F. F. Rust. 2,449,347, Sept. 14.
- Hydrogen bromide catalyzed oxidation reactions. W. E. Vaughan and E. R. Bell. 2,435,763, Feb. 10.
- Hydrogen chloride, Manufacturing. E. S. Hill. 2,444,256, June 29.
- Hydrogen chloride recovery in a butane isomerization process. J. W. Latchum, Jr. 2,433,996, Jan. 6.
- Hydrogen chloride with olefinic compounds, and product, Reacting. W. E. Hanford and J. Harmon. 2,440,801, May 4.
- Hydrogen cyanide, Manufacture of. L. Fallows and E. V. Mellers. 2,455,987, Dec. 14.
- Hydrogen fluoride from hydrocarbon mixtures, Recovering. L. H. Vautrain. 2,444,316, June 29.
- Hydrogen fluoride in an alkylation process, Recovery of. R. E. Vinyard. 2,440,454, Apr. 27.
- Hydrogen fluoride, Manufacture of. A. C. Hopkins, Jr., R. M. Stephenson, and W. E. Watson. 2,456,509, Dec. 14.
- Hydrogen fluoride recovery. B. F. Hartman. 2,434,040, Jan. 6.
- Hydrogen fluoride solutions, Treatment of. F. E. Frey. 2,445,217, July 13.
- Hydrogen meter. C. C. Watson. 2,456,163, Dec. 14.
- Hydrogen peroxide by the partial oxidation of hydroaromatic hydrocarbons. C. R. Harris. 2,443,503, June 15.
- Hydrogen peroxide, Manufacture of. L. H. Dawsey, R. R. Umhoefer, and C. R. Muehlhauser. 2,455,238, Nov. 30.
- Hydrogen, Production of. F. T. Barr. 2,449,635, Sept. 21.
- Hydrogenated polyalkylated phenol. A. C. Whitaker and W. W. Weinrich. 2,443,015, June 8.
- Hydrogenation of butadienesulfones to thiophenes. J. H. Boyd, Jr. 2,440,671, May 4.
- Hydrogenation of carbon monoxide. E. E. Sensel and R. A. Beck. 2,437,051, Mar. 2.
- Hydrogenation of carbon oxides. A. J. Millendorf. 2,445,795, July 27.
- Hydrogenation of heavy hydrocarbon oils, Destructive. J. B. McKinley and H. J. Elder. 2,446,602, Aug. 10.
- Hydrogenation of sulfonate ethers. R. C. Morris and J. L. Van Winkle. 2,435,404, Feb. 3.
- Hydrogenolysis of thiol esters. R. Mazingo. 2,457,392, Dec. 28.
- Hydrokinetic coupling. F. Cloete. 2,453,634, Nov. 9.
- Hydrolysis of acetone auto-condensation products. De L. E. Winkler, W. J. Raab, and S. A. Ballard. 2,434,631, Jan. 13.
- Hydrolysis of proteins. A. M. Moos. 2,442,055, May 25.
- Hydrolyzable titanium solutions, Preparation of. C. M. Olson. 2,452,390, Oct. 26.
- Hydrolyzed ethylene vinyl ester polymers, Insolubilizing. W. L. Alderson, Jr. 2,448,946, Sept. 7.
- Hydrolyzing organic nitriles and dehydrating ethers. V. K. Kriebel and R. H. Smellie. 2,441,114, May 4.
- Hydrophilic-organophilic pigments and producing same. M. C. Moore. 2,457,591, Dec. 28.
- Hydrostatic feed. F. A. Wagner. 2,435,110, Jan. 27.
- Hydrous disintegration of shale by aqueous drilling muds, Method and product for inhibiting. N. E. Martello. 2,444,359, June 29.
- Hydroxides, Purifying aqueous alkali metal. G. L. Cunningham. 2,446,868, Aug. 10.
- Hydroxyalkyl ethers of hydroxylated interpolymers and their preparation. W. H. Sharkey. 2,434,179, Jan. 6.
- Hydroxy aromatic carboxylic acids, Preparation of. E. Wolhuis and H. M. Shafer. 2,453,105, Nov. 2.
- Hydroxycarboxylic acid. H. A. Bruson and W. D. Niederhauser. 2,457,640, Dec. 28.
- Hydroxyethyl-2,5-dichlorobenzene, Preparation of. T. S. Carswell and R. F. Hayes. 2,449,877, Sept. 21.
- Hydroxyethylation. W. W. Carlson. 2,448,767, Sept. 7.
- Hydroxylamine stabilized fatty materials. O. L. Scherr. 2,441,547, May 11.
- Hydroxylating pot type hydrocarbon burner. J. L. Breese. 2,444,494, July 6.
- Hydroxylation process. D. Swern and J. T. Scanlan. 2,443,280, June 15.

- Hydroxyphosphatides. H. Wittcoff. 2,445,948, July 27.
 Hydroxypyrimidine derivatives. F. H. S. Curd, M. I. Hall, E. C. Owen, F. L. Rose, and G. A. P. Tuey. 2,443,303, June 15.
 Hydroxythiophane carboxylic acids and esters and preparing same. B. R. Baker. 2,451,427, Oct. 12.
 Hygienic toothpick dispenser. R. Lépine. 2,434,806, Jan. 20.
 Hygrometer. P. W. Zingaro. 2,454,584, Nov. 23.
 Hygrometer and switch for radiosondes. J. Hornbostel. 2,454,320, Nov. 23.
 Ice air cooling apparatus having anti-splash means. H. J. Kaufman. 2,453,017, Nov. 2.
 Icebag and fountain syringe, Combined. W. Sevush. 2,435,637, Feb. 10.
 Ice container for refrigerator cars. E. R. Battley and G. E. McCoy. 2,453,295, Nov. 9.
 Ice-cooled air circulating apparatus. J. G. Manley. 2,443,469, June 15.
 Ice-cream cutting and discharging device. H. A. Alheit. 2,444,486, July 6.
 Ice-cream mix. A. Leviton. 2,433,850, Jan. 6.
 Ice-cream packer. L. J. Gilcrest. 2,457,541, Dec. 28.
 Ice-cream scoop. J. J. Deutsch and J. Vigilante. 2,454,735, Nov. 23.
 Ice creeper. C. B. Fisher. 2,441,998, May 25.
 Ice cube freezer and dispenser. H. E. Page. 2,443,926, June 22.
 Ice-cubing machine. W. C. Pfeil. 2,440,872, May 4.
 Ice glider. P. and B. Anderson. 2,454,248, Nov. 16.
 Ice machine. L. V. Lucia. 2,435,285, Feb. 3.
 Ice making machine, Slush. W. H. Taylor. 2,449,730, Sept. 21.
 Ice preventing means for propellers. J. De Stefano. 2,435,712, Feb. 10.
 Ice removing covering for aircraft. R. G. Campbell. 2,439,037, Apr. 6.
 Ice removing covering for airfoils. R. G. Campbell. 2,438,693, Mar. 30.
 Ice tray. S. W. E. Andersson. 2,454,958, Nov. 30.
 Ice tray. H. C. Berkeley. 2,454,960, Nov. 30.
 Ice tray and grid arrangement. R. M. Storer. 2,438,260, Mar. 23.
 Ice tray and slip surface flexible grid. H. Y. Jennings. 2,455,366, Dec. 7.
 Identification system, Calling line. J. Kruithof and L. Kozma. 2,440,277, Apr. 27.
 Identification tags to seals, Securing. E. Brooks. 2,452,098, Oct. 26.
 Identifying goods and identifying labels used therewith. C. Emmev and M. Katzenstein. 2,439,082, Apr. 6.
 Idler system for phonograph turntable drives. E. V. Schneider. 2,451,304, Oct. 12.
 Igniter. C. N. Hickman. 2,434,652, Jan. 20.
 Igniter. I. H. Yarin. 2,451,369, Oct. 12.
 Igniter for rockets. R. A. Appleton, C. N. Hickman, and C. F. Bjork. 2,452,892, Nov. 2.
 Igniting device for combustion chambers. I. Lubbock and H. J. Poole. 2,447,758, Aug. 24.
 Igniting fuel, Method of and apparatus for. W. D. Hall. 2,441,965, May 25.
 Igniting propellant in rocket motors. H. W. Mace and B. H. Chamberlain. 2,455,015, Nov. 30.
 Ignition apparatus. A. L. Brownlee. 2,433,887; Jan. 6.
 Ignition apparatus. J. R. Frei and R. M. Purdy. 2,445,570, July 20.
 Ignition apparatus. T. Tognola. 2,447,376, Aug. 17.
 Ignition circuits for vapor discharge devices. J. W. Dawson and H. Klemperer. 2,444,921, July 13.
 Ignition control. H. T. Jarvis. 2,451,289, Oct. 12.
 Ignition control. B. W. Pratt. 2,448,003, Aug. 24.
 Ignition control. D. B. Waring. 2,455,344, Nov. 30.
 Ignition device, Altitude compensating. W. C. Parrish. 2,441,284, May 11.
 Ignition distributor. J. L. Arthur. 2,444,325, June 29.
 Ignition distributor. W. E. Schwarzmann and E. M. Bach. 2,441,922, May 18.
 Ignition leads, Making shielded. H. M. Wilkoff. 2,449,356, Sept. 14.
 Ignition lock. C. E. Wilkes. 2,439,155, Apr. 6.
 Ignition plug. W. Pe. 2,456,080, Dec. 14.
 Ignition point, Adjustable lever-actuating self-cleaning. A. K. Wihanto. 2,435,914, Feb. 10.
 Ignition system. D. I. Bohn. 2,450,404, Sept. 28.
 Ignition system. H. W. Sheridan and W. G. Taylor. 2,446,888, Aug. 10.
 Ignition system. B. H. Short. 2,436,905, Mar. 2.
 Ignition system. B. H. Short and H. L. Hartzell. 2,446,671, Aug. 10.
 Ignition system. E. F. Wargin, J. R. Harkness, and D. C. Peroutky. 2,456,475, Dec. 14.
 Ignition system. V. Welge. 2,447,782, Aug. 24.
 Ignition system for internal-combustion engines. M. Malory. 2,455,594, Dec. 7.
 Ignition system for miniature two-cycle gas engines, Low-tension. M. P. McKay. 2,453,636, Nov. 9.
 Ignition system, High-frequency. B. H. Short. 2,456,743, Dec. 21.
 Ignition systems of internal-combustion engines, Testing electrical. F. R. F. Ramsay. 2,450,164, Sept. 28.
 Ignition timing. G. E. Beardsley, Jr., and C. W. Laubin. 2,456,042, Dec. 14.
 Ignitor. N. C. Fulmer. 2,443,677, June 22.
 Ignitor. W. W. Rigrod. 2,456,891, Dec. 21.
 Ignitron firing circuit. W. E. Pakala and H. C. Myers. 2,436,324, Feb. 17.
 Ignitron, Sealed. A. P. Colaiaco. 2,439,924, Apr. 20.
 Ignitron welding control. C. Farrow. 2,438,742, Mar. 30.
 Illuminated compact. O. W. Chinn. 2,453,621, Nov. 9.
 Illuminated safety switch. J. F. Courtney. 2,434,065, Jan. 6.
 Illuminated sign. A. R. Warner. 2,437,009, Mar. 2.
 Illuminating and trimming paper. E. F. Bowen. 2,444,723, July 6.
 Illuminating device. J. D. Hamilton. 2,436,995, Mar. 2.
 Illuminator, Vehicle. L. E. R. Barlow. 2,442,580, June 1.
 Illustrated matter. J. S. Abrams. 2,454,419, Nov. 23.
 Image analyzing tube. M. Cawein. 2,440,736, May 4.
 Image attenuation circuits, Permeability tuned. W. F. Sands. 2,449,148, Sept. 14.
 Image former with negative meniscus lens spherical aberration corrector, Schmidt type. A. Bouwers. 2,448,699, Sept. 7.
 Image forming optical lens system athermalized for focal point. D. S. Grey. 2,453,218, Nov. 9.
 Image projection system. D. W. Epstein. 2,454,144, Nov. 16.
 Images and producing them, Precision. A. R. A. Beeber, D. D. Jacobus, and C. W. Keuffel. 2,447,836, Aug. 24.
 Imidazolones and their manufacture. R. Duschinsky. 2,441,935, May 18.
 Imidazolines. K. Miescher and W. Klarer. 2,449,241, Sept. 14.
 Imidazolones and making them, Substituted. R. Duschinsky. 2,441,933, May 18.
 Imidazolones and preparation. R. Duschinsky. 2,441,936, May 18.
 Iminodiacetonitrile, Producing. J. L. Mostek. 2,442,547, June 1.
 Imitation fabric. H. Wurzbarger. 2,434,532, Jan. 13.
 Imitation maple flavor. R. E. Kremers. 2,446,478, Aug. 3.
 Immersible electrical heater. R. C. Belgau. 2,439,617, Apr. 13.
 Immersion heater. Z. J. Bors. 2,457,028, Dec. 21.
 Impact clutch. F. P. Forss. 2,439,337, Apr. 6.
 Impact clutch. C. W. Porter. 2,439,823, Apr. 20.
 Impact clutch. E. H. Shaff. 2,439,756, Apr. 13.
 Impedance matching arrangement. M. K. Taylor and J. Greenhalgh. 2,456,800, Dec. 21.
 Impedance system, Simulating. L. L. Libby. 2,448,036, Aug. 31.
 Impedance transformer. W. W. Hansen, J. R. Woodyard, and M. Nelson. 2,438,912, Apr. 6.
 Impedance transformer, Wave guide. W. W. Hansen. 2,438,914, Apr. 6.
 Impeller. N. Lee, Jr. 2,449,531, Sept. 14.
 Impeller mounting. A. M. Rockwell and A. H. Beaufriere. 2,438,866, Mar. 30.
 Implement, Agricultural. G. M. Kriegbaum. 2,443,042, June 8.
 Implement and hitch therefor, Tractor conveyed. C. H. Martin. 2,440,550, Apr. 27.
 Implement, Cleaning. J. H. Stillbach. 2,444,758, July 6.
 Implement, Combination. D. J. Daniel. 2,434,550, Jan. 13.
 Implement, Combination. J. T. Van Olden. 2,437,770, Mar. 16.
 Implement, Compound culinary. H. J. Fadeley, Jr. 2,457,037, Dec. 21.
 Implement construction. R. B. Hitchcock and W. C. Rosenthal. Re. 22,991, Mar. 23.
 Implement control means for tractor mounted agricultural implements. E. V. Bunting. 2,455,727, Dec. 7.
 Implement, Farm. D. C. Boren. 2,441,466, May 11.
 Implement, Fastener-applying. C. M. Lindstrom. 2,438,712, Mar. 30.
 Implement, Fastener-applying. C. M. Lindstrom. 2,445,178, July 13.
 Implement, Fastener-applying. A. H. Maynard. 2,438,713, May 30.
 Implement, Fastener-applying. A. H. Maynard. 2,445,179, July 13.
 Implement for collapsing hollow rivets. E. Hiler. 2,445,067, July 13.
 Implement for detaching insulators, Pulling. G. P. Mitchell. 2,457,258, Dec. 28.
 Implement for driving staples. J. F. Cavanagh. 2,434,260, Jan. 13.
 Implement, Grommet setting. W. E. Castle. 2,445,761, July 27.
 Implement, Ground working. M. L. Williams. 2,437,059, Mar. 2.
 Implement mounting. E. C. Trefry. 2,452,701, Nov. 2.
 Implement, Rotary groundworking. H. J. Seaman. 2,438,189, Mar. 23.
 Implement seat support. C. W. Chindlund. 2,454,990, Nov. 30.
 Implement, Tractor mounted. R. D. Acton. 2,456,237, Dec. 14.
 Implement, Writing. E. W. Davis. 2,446,044, July 27.
 Impregnating electric coils. H. C. Stearns. 2,442,183, May 25.
 Impregnating leather with sulfonated polymeric compositions. J. S. Kirk. 2,452,536, Nov. 2.
 Impregnating regenerated cellulose rope. H. Dreyfus, D. Finlayson, and R. G. Perry. 2,434,912, Jan. 27.
 Impression taking means. E. G. Coffey. 2,452,903, Nov. 2.

- Impulse generator. H. E. Hopley. 2,444,044, June 29.
 Impulse modulation system. G. Guanella and P. Güttinger. 2,435,496, Feb. 3.
 Impulse recording optical system. J. A. Maurer, Jr. 2,436,148, Feb. 17.
 Impulse recording optical system. J. A. Maurer, Jr. 2,437,470, Mar. 9.
 Impurities from liquids by contact with dolomitic lime calcined for 10 to 120 minutes at a temperature of 300° C. to 700° C. and product therefor, Removal of. C. Calmon. 2,442,584, June 1.
 Incandescent and fluorescent lamp holder. F. C. De Reamer and J. M. Pistey. 2,441,399, May 11.
 Incandescent lamp. G. B. Davis, Jr. 2,442,845, June 8.
 Incandescent lamp and manufacture. A. Greiner. 2,449,650, Sept. 21.
 Incandescent lamps, Manufacturing electric. A. W. Seitz. 2,449,676, Sept. 21.
 Incased drain plug. R. S. Stephenson. 2,453,820, Nov. 16.
 Incendiary bomb mixture. H. H. Cooke and J. B. Holtzclaw. 2,445,311-12, July 20.
 Incendiary material. D. L. Woodberry, W. W. Howerton, and A. Dunbar. 2,452,091, Oct. 26.
 Incinerator. H. Weyenberg and W. E. Tice. 2,443,524, June 15.
 Incinerator, garbage container and chute, Mobile. C. S. Guerschoux. 2,442,686, June 1.
 Incinerator, Household. H. B. Bornside. 2,452,097, Oct. 26.
 Incinerator with combustion air feeding means for underground use. E. W. Edwards. 2,444,095, June 29.
 Incinerator with tin can compartment, Refuse. C. J. Harding. 2,442,950, June 8.
 Inclination indicating device. F. H. Schmidt. 2,449,674, Sept. 21.
 Inclometer. J. F. Bogen. 2,436,417, Feb. 24.
 Inclometer. P. Jones. 2,449,704, Sept. 21.
 Inclometer. F. C. Ostheimer. 2,444,265, June 29.
 Increasing tackiness of rubber-like materials. I. Williams and C. A. Carlton. 2,457,335, Dec. 28.
 Incubator. R. B. P. Crawford. 2,439,719, Apr. 13.
 Incubator. L. M. Porter. 2,439,145, Apr. 6.
 Incubator for microscopes, Stage. W. Horner and E. Wesselman. 2,440,472, Apr. 27.
 Index card and signal. P. R. Smith. 2,443,522, June 15.
 Index device. R. B. Larter. 2,437,102, Mar. 2.
 Index head. N. M. Marsilius. 2,456,007, Dec. 14.
 Index signal means, Visible. C. E. Attwood. 2,449,576, Sept. 21.
 Index tab for printing devices. J. H. Gruver and C. J. Hueber. 2,438,282, Mar. 23.
 Index, Visible. F. S. Schade. 2,452,687, Nov. 2.
 Indexing back-off for grinders. B. W. Weisel. 2,442,318, May 25.
 Indexing device. S. S. Brodie. 2,452,544, Nov. 2.
 Indexing device. N. M. Marsilius. 2,447,808, Aug. 24.
 Indexing mechanism. J. H. Barnes. 2,446,865, Aug. 10.
 Indexing mechanism. S. G. Brady and J. L. King. 2,454,591, Nov. 23.
 Indexing mechanism. H. R. Soden. 2,453,600, Nov. 9.
 Indexing mechanisms. F. E. Stratton. 2,443,278, June 15.
 Indexing telescope for electron diffraction instruments. C. H. Bachman. 2,439,644, Apr. 13.
 Indicating acceleration. C. R. Abraham. 2,457,620, Dec. 28.
 Indicating apparatus. R. C. Freeman and R. F. Wyer. 2,441,406, May 11.
 Indicating apparatus. L. Lee, II. 2,450,835, Oct. 5.
 Indicating apparatus, Condyle position. C. F. Tully. 2,455,451, Dec. 7.
 Indicating apparatus, Density. G. S. Bays. 2,434,098, Jan. 6.
 Indicating apparatus for furnaces, Phototube control-temperature. A. Warnick. 2,457,289, Dec. 28.
 Indicating apparatus, Heart beat rate. R. E. Sturm. 2,439,495, Apr. 13.
 Indicating device. S. Rosenblum. 2,451,979, Oct. 19.
 Indicating device. L. D. Smullin and J. B. Wiesner. 2,450,618, Oct. 5.
 Indicating device for welding systems, Ignition. H. Klemperer. 2,452,060, Oct. 26.
 Indicating device, Vehicle speed. P. Addorisio. 2,452,344, Oct. 26.
 Indicating frequency coincidence between alternating currents or voltages, Method and apparatus for. D. B. Smith. 2,452,960, Nov. 2.
 Indicating potential gradients, Method and apparatus for. E. P. Buckthal. 2,454,630, Nov. 23.
 Indicating system. G. E. Valley, Jr. 2,455,283, Nov. 30.
 Indicating system, Air-speed. C. H. Townes. 2,457,287, Dec. 28.
 Indicating system, Distance and speed. G. Guanella. 2,451,822, Oct. 19.
 Indicating system for baseball games. E. Friedman. 2,440,042, Apr. 20.
 Indicating system, Line fault. J. S. Astin. 2,447,625, Aug. 24.
 Indicating system, Location. H. G. Busignies. 2,449,977, Sept. 23.
 Indicating the angular displacements of a shaft at a distance. D. O. Sproule. 2,434,057, Jan. 6.
 Indicating the condition of an atmosphere, Method of and apparatus for. W. F. Ertzman. 2,438,550, Mar. 30.
 Indicator: See—
 Aileron and elevator indicator.
 Aircraft bank indicator.
 Airplane engine ice indicator.
 Angle indicator.
 Bowling score indicator.
 Breathing indicator.
 Cathode-ray phase indicator.
 Cathode-ray power indicator.
 Center of gravity location indicator.
 Circuit interrupter indicator.
 Control device indicator.
 Differential leakage indicator.
 Echo sounding indicator.
 Elapsed time indicator.
 Electric air position indicator.
 Electric field or potential indicator.
 Electric vehicle direction indicator.
 Electric vehicle turn indicator.
 Electrolytic concentration indicator.
 Electromagnetic wave direction indicator.
 Fatigue indicator.
 Fill indicator.
 Flight indicator.
 Flight operation indicator.
 Float position indicator.
 Fluid stream direction indicator.
 Flush pin indicator.
 Glider tow indicator.
 Golf swing indicator.
 Ground speed indicator.
 Helical spline torque indicator.
 Light responsive displacement indicator.
 Indicator. G. O. Leggett and C. Nathan. 2,439,476, Apr. 13.
 Indicator. P. W. Markwood. 2,447,584, Aug. 24.
 Indicator adjustment for sextants. C. O. Rothweiler. 2,439,102, Apr. 6.
 Indicator and note receptacle for doors, Combined electrical. W. E. Stanfield. 2,434,442, Jan. 13.
 Indicator attachment for planters. H. F. Stalder. 2,449,915, Sept. 21.
 Indicator control mechanism. L. F. Reinhold and J. A. Spencer. 2,440,118, Apr. 20.
 Indicator control, Totalizer. C. M. Candy and W. W. Owen. 2,451,319, Oct. 12.
 Indicator device for film strip, Position. H. L. Fitch. 2,455,748, Dec. 7.
 Indicator device for ordinary two prong plugs, Portable. N. Schnoll. 2,449,150, Sept. 14.
 Indicator employing light-conducting elements, Rotary. A. E. Lane. 2,441,825, May 18.
 Indicator for aircraft, Landing position. B. L. Hurst. 2,447,910, Aug. 24.
 Indicator for aircraft, Skid. R. Alkan and A. Raspet. 2,441,306, May 11.
 Indicator for cranes, Load. C. S. Adams. 2,434,138, Jan. 6.
 Indicator for directional receivers, Acoustic. D. A. Quarles. 2,434,957, Jan. 27.
 Indicator for electric fences, Voltage. S. A. Moore. 2,450,153, Sept. 28.
 Indicator for electric ranges. R. G. Sheidler. 2,450,399, Sept. 28.
 Indicator for fluids, Gravity. W. H. Fortney. 2,442,039, May 25.
 Indicator for impact testing machines. W. C. Moran. 2,447,767, Aug. 24.
 Indicator for machine-shop work setups, Portable visual. L. A. Ross. 2,435,514, Feb. 3.
 Indicator for magnetic actuators, Position. E. F. Sarver. 2,457,403, Dec. 28.
 Indicator for play of gyro rotors in frames. R. W. Walters. 2,439,552, Apr. 13.
 Indicator for pneumatic tires, Pressure. P. A. Cressey. 2,439,561, Apr. 13.
 Indicator for pneumatic tires, Pressure. N. A. Dysart. 2,447,689, Aug. 24.
 Indicator for pulse echo distance measuring devices, Repeater. R. M. Smith. 2,451,000, Oct. 12.
 Indicator for rubber mixers or the like. D. W. MacLeod and R. H. Perkins. 2,446,657, Aug. 10.
 Indicator for threads on sewing machines, Tension. A. H. Larson and C. W. Fox. 2,457,245, Dec. 28.
 Indicator having cooperating grids, Optical. W. P. Powers. 2,451,972, Oct. 19.
 Indicator in radio receivers, Tuning. J. C. Stannow. 2,457,004, Dec. 21.
 Liquid level indicator.
 Match draw indicator.
 Maximum demand indicator.
 Multiple range indicator.
 Pendulously operated crank-timing indicator.
 Pendulum controlled electric dive angle indicator.
 Pressure indicator.
 Printing telegraph tape loop indicator.
 Proximity and direction indicator.
 Pulse-echo radio velocity indicator.
 Radio direction and range indicator.
 Radio ground clearance indicator.
 Rate of turn indicator.
 Ratio computing shift indicator.
 Recording apparatus volume level indicator.
 Relative temperature indicator.
 Service indicator.
 Ship's log indicator.
 Signal receiver tuning indicator.
 Single contact dial indicator.
 Specific gravity indicator.
 Speed indicator.
 Tire deflation indicator.
 Tool indicator.
 Traffic direction indicator.
 Tridimensional radio direction indicator.
 Typewriter page and indicator.
 Velocity indicator.
 Vibration actuated indicator.
 Voltage indicator.

- Indicator mounting bracket. C. A. Akert. 2,447,624, Aug. 24.
- Indicator system for towed gliders. G. F. Leydorf. 2,449,532, Sept. 14.
- Indicator using light polarizing elements, Illuminated. G. K. C. Hardesty. 2,454,280, Nov. 23.
- Indicator utilizing doppler effect, Ground speed. E. I. Anderson. 2,455,639, Dec. 7.
- Indicator with compensated damper, Inductive electrical. H. M. Norman. 2,451,404, Oct. 12.
- Indicators, Stop for dial. C. S. Ost. 2,440,522, Apr. 27.
- Indigoid vat dyestuff. K. Hoelzle and E. Kambil. 2,453,225, Nov. 9.
- Indigosol composition comprising a naphthol sulfonate and applying same. E. L. Pelton and C. O. Hutchenreuther. 2,445,632, July 20.
- Indium electroplating. T. R. Jones and N. R. Bierly. 2,439,935, Apr. 20.
- Indium-gold article and method. H. D. Ellsworth. 2,438,967, Apr. 6.
- Indolalhydantoin, Preparation of. J. E. Livak and M. F. Murray. 2,435,399, Feb. 3.
- Indoor golf practice device. J. W. Anderson. 2,443,759, June 22.
- Inductance clip. J. F. Frese. 2,445,772, July 27.
- Inductance, Continuously variable. C. E. Payne. 2,452,490, Oct. 26.
- Inductance device, Magnetic-core. A. P. Olesky. 2,448,190, Aug. 31.
- Inductance unit. E. O. Peterson, D. I. Wright, and H. T. Heaton. 2,455,875, Dec. 7.
- Induction apparatus and forming same, Electromagnetic. G. G. Somerville. 2,456,457-8, Dec. 14.
- Induction apparatus, Electrical. L. C. Whitman. 2,447,883, Aug. 24.
- Induction apparatus, Electromagnetic. G. Camilli. 2,452,901, Nov. 2.
- Induction furnace for variable heat patterns. T. R. Kennedy. 2,452,197, Oct. 26.
- Induction generator starting gear. L. D. Jennings and J. Naymik. 2,445,435, July 20.
- Induction heating, Controlled. R. M. Baker. 2,448,008, Aug. 31.
- Induction heating of metal strips, Method and apparatus for. R. M. Baker and G. W. Penney. 2,448,011, Aug. 31.
- Induction heating of rotatable blade assemblies and the like. W. C. Rudd and R. J. Stanton. 2,449,325, Sept. 14.
- Induction heat-treatment. A. Vang. 2,446,202, Aug. 3.
- Induction motor. J. P. Glass. 2,443,104, June 8.
- Induction motor brake. J. E. Chapman. 2,434,034, Jan. 6.
- Induction motor braking system. L. W. Herchenroeder and A. L. Scott. 2,445,430, July 20.
- Induction motor control by electric brake. H. S. Carnegie and H. Dolan. 2,437,996, Mar. 16.
- Induction motor damping system. L. B. Cherry. 2,445,289, July 13.
- Induction pressure regulator. J. Lichtenstein and P. X. A. Gistucci. 2,434,420, Jan. 13.
- Induction system. A. A. Stuart, Jr. 2,439,701, Apr. 13.
- Induction system for multicylinder opposed piston engines. T. Jackson. 2,439,472, Apr. 13.
- Inductive device, Coated. J. Shaheen. 2,456,219, Dec. 14.
- Inductive heating of longitudinally moving metal strip. R. M. Baker. 2,448,009, Aug. 31.
- Inductively coupled band-pass filter. M. Cawein. 2,457,774, Dec. 28.
- Inductor, Adjustable. E. O'Brien. 2,452,676, Nov. 2.
- Inductor for high-frequency induction heating. N. B. Stevens and P. R. Capolongo. 2,456,091, Dec. 14.
- Inductor generator assembly. H. M. Norman. 2,441,282, May 11.
- Inductor generator equipment, especially for induction heating. F. J. Johns. 2,451,954, Oct. 19.
- Indurating boards of fibrous materials. H. O. V. Bergström, G. B. Heijmer, and K. G. Trobeck. 2,437,931, Mar. 16.
- Industrial or power gases, Production of. M. Steinschlaeger. 2,449,729, Sept. 21.
- Inertia-actuated switch. A. C. Chambers. 2,445,873, July 27.
- Inertia operated control device. J. C. McCune and G. K. Newell. 2,435,319, Feb. 3.
- Inertia rate of fire retarder. C. C. Loomis and K. J. Lowe. 2,451,624, Oct. 19.
- Infant's chair. F. E. Ducey. 2,451,667, Oct. 19.
- Infeed for grinding machines. W. L. Drown. 2,439,360, Apr. 6.
- Infeed mechanism, Automatic. W. Mignona. 2,434,366, Jan. 13.
- Infeed mechanism for wrapping machines, Article. C. W. Lea. 2,447,948, Aug. 24.
- Inflatable article. K. G. Hann. 2,437,602, Mar. 9.
- Inflatable articles, Making. A. L. Best. 2,444,150, June 29.
- Inflatable orthopedic shoulder pad. L. S. Tatal. 2,437,054, Mar. 2.
- Inflation. F. B. Allen. 2,444,717, July 6.
- Inflation of pneumatic tires for vehicle wheels, Apparatus for effecting and controlling. L. H. Peter. 2,452,527, Oct. 26.
- Influenza vaccine. L. A. Chambers. 2,445,301, July 13.
- Infolding method and machine. A. G. Gilbert and W. H. Rogers, Jr. 2,453,623, Nov. 9.
- Information posting board. W. Thorpe. 2,456,226, Dec. 14.
- Infrared radiation filter. E. R. Blout and W. F. Amon, Jr. 2,444,492, July 6.
- Infrared-responsive phosphors. G. R. Fonda. 2,447,322, Aug. 17.
- Ingots from their stools, Separating. W. E. Black. 2,434,733, Jan. 20.
- Ingot mold plug. E. L. Messler. 2,444,140, June 29.
- Inhaler. J. B. Biederman. 2,436,877-8, Mar. 2.
- Inhaler. F. J. Dinyer. 2,451,540, Oct. 19.
- Inhaler. M. Ehlinger. 2,445,347, July 20.
- Inhaler. M. L. Kahn. 2,438,752, Mar. 30.
- Inhaler. G. Karp. 2,449,853, Sept. 21.
- Inhaler. D. A. Seaver. 2,456,451, Dec. 14.
- Inhaler for analgesic or anaesthetic purposes. J. T. Hayward-Butt. 2,442,004, May 25.
- Inhibiting composition, Corrosion. W. G. Routson. 2,451,874, Oct. 19.
- Inhibiting the growth of mold. S. W. Arenson. 2,446,505, Aug. 3.
- Inhibitor for centerless grinders, Outboard work whipping. W. Horberg. 2,440,402, Apr. 27.
- Initiator for explosive charges, Delay action. E. Jones. 2,455,336, Nov. 30.
- Injecting means, Lubricant. C. A. Norgren. 2,442,777, June 8.
- Injection apparatus. H. D. Creviston. 2,442,758, June 8.
- Injection control system. H. S. Robinson. 2,445,337, July 20.
- Injection machine. B. D. Ashbaugh. 2,453,058, Nov. 2.
- Injection mechanism for Diesel engines, Advance and retard. Ø. Blom. 2,452,984, Nov. 2.
- Injection mold. G. C. Wilson. 2,457,336, Dec. 28.
- Injection molding apparatus. H. J. Arthur and H. S. McCrory. 2,448,947, Sept. 7.
- Injection molding apparatus. G. F. Rotsler. 2,436,122, Feb. 17.
- Injection molding machine spreader. N. Lester. 2,436,869, Mar. 2.
- Injection unit for plastics molding. E. R. Knowles. 2,438,857, Mar. 30.
- Injector apparatus. W. E. Caldwell. 2,451,715, Oct. 19.
- Injector control mechanism for free piston engines, Fuel. F. M. Lewis. 2,450,898, Oct. 12.
- Injector for engines, Automatic metering water. F. P. Francis. 2,445,479, July 20.
- Injector, Fuel. N. Fodor. 2,433,985, Jan. 6.
- Injector, Fuel. J. H. Holloway. 2,437,529, Mar. 9.
- Injector-impeller pump. K. R. Lung. 2,457,388, Dec. 28.
- Injector, Lubricant. A. P. Fox. 2,448,583, Sept. 7.
- Injector nozzle and spark plug, Combined. R. W. Lamphere. 2,441,277, May 11.
- Ink composition, Printing. H. J. Wolfe and P. W. Greubel. 2,435,992, Feb. 17.
- Ink for etching metal. D. L. Vande Bunte. 2,441,300, May 11.
- Ink fountain for printing presses. A. W. Ranger. 2,451,634, Oct. 19.
- Ink fountain for printing presses. H. J. Luehrs. 2,442,700, June 1.
- Ink, Marking. B. L. Kline. 2,435,222, Feb. 3.
- Ink, Marking. I. C. Matthews and G. M. Atkins. 2,441,101, May 4.
- Ink pad. G. Gordon. 2,444,160, June 29.
- Ink paste cartridge for ball point fountain pens. D. P. Moore. 2,438,786, Mar. 30.
- Ink, Printing. O. P. Berberich. 2,439,378, Apr. 13.
- Ink, Printing. E. F. Carman and O. P. Berberich. 2,439,380, Apr. 13.
- Ink, Printing. C. F. Chiappe and J. W. Kroeger. 2,437,908, Mar. 16.
- Ink, Printing. R. A. Denton. 2,436,954, Mar. 2.
- Ink reservoir for marking machines. D. F. Putnam and C. H. Cheeseman. 2,449,909, Sept. 21.
- Ink, Typographic. F. W. Cray. 2,436,791, Mar. 2.
- Inker. C. W. Harrold and H. F. Meyer. 2,448,975, Sept. 7.
- Inker for cylinder presses, Color. A. W. Linn and A. C. Forbes. 2,435,452, Feb. 3.
- Inking and edge setting machine. G. W. Liberty. 2,437,431, Mar. 9.
- Inking apparatus for printing machines. W. G. Thomlinson. 2,450,494, Oct. 5.
- Inking device for marking machines. M. E. Wells. 2,443,939, June 22.
- Inking device for rotary duplicating machines. F. Ellam. 2,445,666, July 20.
- Inking mechanism. F. W. Seybold. 2,436,455, Feb. 24.
- Inking mechanism for printing machines. F. Lamatsch. 2,444,656, July 6.
- Inking system for printing machines. E. J. Janke. 2,456,282, Dec. 10.
- Inkwell, Fountain. G. A. MacDonald. 2,447,193, Aug. 17.
- Inlay, Making marquetry. J. T. Breece. 2,447,609, Aug. 24.
- Inner piston ring. O. W. Haling. 2,438,163, Mar. 23.
- Inner sole. A. L. Dorgin. 2,451,929, Oct. 19.
- Innersole and making the same. F. L. Ayers. 2,438,870, Mar. 30.

- Inner tube for pneumatic tires, Safety. B. Carlin. 2,452,902, Nov. 2.
- Inner tube for pneumatic tires, Safety. N. R. Maddox. 2,440,107, Apr. 20.
- Inoculum and preparing and using same. F. D. Hager. 2,454,753, Nov. 23.
- Inorganic hydrogel, Preparing an. C. N. Kimberlin, Jr. and J. A. Pierce. 2,448,439, Aug. 31.
- Input controllers. J. Morton. 2,447,356, Aug. 17.
- Insect trap. E. N. McGrew. 2,435,317, Feb. 3.
- Insecticidal compositions comprising a phenyl ester of caprylphenoxyacetic acid. W. F. Hester and W. E. Craig. 2,437,427, Mar. 9.
- Insecticidal compositions from halocaprylphenoxyacetic acid. W. F. Hester and W. E. Craig. 2,437,527, Mar. 9.
- Insecticidal fumigant composition with solid rubber carrier particles. C. W. Murray. 2,440,781, May 4.
- Insecticidal haloalko-alkylene esters of caprylphenoxyacetic acid. 2,451,085, Oct. 12.
- Insecticide. A. H. Lewis. 2,438,370, Mar. 23.
- Insecticide. H. L. Morrill and C. J. Weinman. 2,435,690, Feb. 10.
- Insecticide comprising mono-alkylated diphenylene sulfides and using same. S. Tryon and P. L. de Benneville. 2,438,955, Apr. 6.
- Insecticide containing methylated naphthalene and 4,4' dichloro-diphenyl-trichloroethane. J. Hyman. 2,452,759, Nov. 2.
- Insecticide dispenser. W. L. Roessner. 2,456,324, Dec. 14.
- Insecticide, Xanthone-DDT. J. F. Adams. 2,448,405, Aug. 31.
- Insecticides. T. W. Kerr, Jr., and W. D. Harris. 2,442,652-3, June 1.
- Insecticides. E. R. McGovran and W. A. Gersdorff. 2,441,433, May 11.
- Insert. F. V. Flynt. 2,446,174, Aug. 3.
- Insert and use of same. J. Rosan. 2,444,145, June 29.
- Insert coil setting tool. K. B. Geertsema. 2,453,840, Nov. 16.
- Insert for changing the compression ratio of internal-combustion engines. R. Hollingsworth. 2,452,238, Oct. 26.
- Inserting machine. L. J. Winkeler. 2,446,035, July 27.
- Inserting machine, Fastening. B. B. Blanchard. 2,454,302, Nov. 23.
- Insignia holding device. F. W. Moehle. 2,436,150, Feb. 17.
- Insole, Arch-supporting. G. W. Geilear. 2,435,776, Feb. 10.
- Insole for shoes, Laminated. A. Billingsley. 2,435,337, Feb. 3.
- Insole, Orthopedic. E. K. Bruckner. 2,447,231, Aug. 17.
- Inspection apparatus for transparent vessels. N. P. Stoaite. 2,454,411-12, Nov. 23.
- Inspection periscope. G. S. Crampton. 2,437,458, Mar. 9.
- Inspection, Supersonic. V. G. Shaw. 2,448,399, Aug. 31.
- Instrument, Calculating. D. M. and G. Liebmann. 2,451,842, Oct. 19.
- Instrument chart plate support, Measuring. C. B. Moore. 2,436,971, Mar. 2.
- Instrument, Clamping and knot tying. L. Trombetta. 2,455,833, Dec. 7.
- Instrument, Dental surveying. C. J. Ringle and R. W. Smith. 2,456,447, Dec. 14.
- Instrument drive. R. M. Kingman. 2,451,032, Oct. 12.
- Instrument, Electrical measuring. H. A. Alter. 2,456,667, Dec. 21.
- Instrument, Electrical measuring. H. A. Bernreuter. 2,456,171, Dec. 14.
- Instrument flying in multicontrol aircraft, Hood for simulated. F. O. Ibsch. 2,440,274, Apr. 27.
- Instrument for measuring and indicating ultra high frequencies. J. Hillier. 2,446,228, Aug. 3.
- Instrument for measuring rise time of electrical pulses. A. Easton. 2,444,341, June 29.
- Instrument for measuring the slopes of a curve. E. J. Lunney. 2,445,792, July 27.
- Instrument for measuring water flow in wells. R. G. Plety. 2,453,456, Nov. 9.
- Instrument for navigation. P. Mosner and O. Steinitz. 2,444,708, July 6.
- Instrument for skin grafting, Surgical. H. M. Brown and M. Barron. 2,457,772, Dec. 28.
- Instrument, Gyro vertical. F. D. Braddoh. 2,450,874, Oct. 12.
- Instrument, Heating. V. V. Varnum. 2,455,453, Dec. 7.
- Instrument landing system. H. G. Busignies. 2,448,016, Aug. 31.
- Instrument lighting. J. B. Dickson. 2,452,294, Oct. 26.
- Instrument lighting. J. M. Roper and M. K. Laufer. 2,455,951, Dec. 14.
- Instrument, Map making and projection. H. T. Kelsh. 2,451,031, Oct. 12.
- Instrument, Moving-coil electric. E. C. Klepp. 2,457,685, Dec. 28.
- Instrument, Musical. J. W. McBride. 2,456,008, Dec. 14.
- Instrument, Musical. A. O. Williams. 2,455,032, Nov. 30.
- Instrument, Navigational. B. E. Marean, Jr. and L. V. Kielhorn. 2,440,827, May 4.
- Instrument panel for aircraft cockpits. H. W. Case. 2,454,272, Nov. 23.
- Instrument, Pressure measuring. A. Latenser. 2,456,718, Dec. 21.
- Instrument, Pressure transmitting. A. J. Rosenberger. 2,454,946, Nov. 30.
- Instrument useful in the analysis of vibrations in organized living tissue. R. E. Sturm. 2,457,744, Dec. 28.
- Instrument, Writing. E. B. Nichols. 2,451,111, Oct. 12.
- Instrument, Writing. A. F. O'Connor. 2,440,829, May 4.
- Insufflator, Tubal. C. Davies. 2,441,237, May 11.
- Insulated airplane ignition system conductors, Making. M. T. Harvey. 2,440,899, May 4.
- Insulated cores, Making. M. W. Rider and W. H. Brandt. 2,443,663, June 22.
- Insulated electrical cable. R. W. Atkinson. 2,443,974, June 22.
- Insulated rail joint. R. W. Payne. 2,441,329, May 11.
- Insulated wall construction for hulls, deck houses, and the like. A. J. Dawson. 2,437,509, Mar. 9.
- Insulating and dielectric materials, Preparing. F. M. Clark. 2,444,766, July 6.
- Insulating board and making the same. H. R. Anderson. 2,445,415, July 20.
- Insulating confined spaces. C. C. Heritage. 2,439,601-4, Apr. 13.
- Insulating material and making same. C. C. Schuetz. 2,442,519, June 1.
- Insulating material containing cyclized rubber, a polyolefine, and polystyrene. A. J. Warner and M. Bakst. 2,436,842, Mar. 2.
- Insulating material containing polystyrene and plasticizer and making. A. J. Warner and M. Bakst. 2,454,851, Nov. 30.
- Insulating material, Electric. A. A. New, S. A. Foord, and D. R. Beckwith. Re. 23,062, Dec. 14.
- Insulating means and making the same. T. Tognola. 2,450,532, Oct. 5.
- Insulating support structure. S. T. Fry. 2,443,449, June 15.
- Insulation composition of polyvinyl chloride and polyalkylene polysulfide, Electric. T. R. Scott and A. A. New. 2,439,949, Apr. 6.
- Insulation cutter. J. F. Costelow. 2,452,734, Nov. 2.
- Insulation cutting tool. W. S. Lindsay. 2,455,591, Dec. 7.
- Insulation cutting tool. G. W. Mackey. 2,456,882, Dec. 21.
- Insulation from metallic electric conductors, Removing. Y. Piskac and R. E. Smiley. 2,448,909, Sept. 7.
- Insulation, Heat. L. B. Miller and W. R. Seipt. 2,448,186, Aug. 31.
- Insulator. K. N. Gerow. 2,442,165, May 25.
- Insulator. A. D. Martin, Jr. 2,444,938, July 13.
- Insulator. P. A. Schmidt. 2,438,419, Mar. 23.
- Insulator. J. J. Taylor. 2,443,435-6, June 15.
- Insulator and method of manufacturing same. D. H. Rowland. 2,437,559, Mar. 9.
- Insulator and support for electrically charged fence wires. H. M. Behlmann. 2,437,344, Mar. 9.
- Insulator, Antenna strain. R. Katz. 2,434,658, Jan. 20.
- Insulator assembly, Strain. J. B. Cook. 2,441,309, May 11.
- Insulator cap. C. S. Card. 2,447,114, Aug. 17.
- Insulator, Ceramic. E. J. W. Verwey and M. G. van Bruggen. 2,434,236, Jan. 6.
- Insulator, Core. L. P. Young. 2,455,720, Dec. 7.
- Insulator, Electric fence. L. R. Huette. 2,447,251, Aug. 17.
- Insulator, Electric fence. M. V. Redpath. 2,437,613, Mar. 9.
- Insulator material for neon sign electrode, making the same and resultant article. C. W. Homan. 2,443,617, June 22.
- Insulator, Strain. G. H. Manke. 2,441,709, May 18.
- Insulators and producing the same, Electrical. B. Hopps and C. J. Smithells. 2,436,005, Feb. 17.
- Integrator. J. G. Booth. 2,444,329, June 29.
- Integrator. E. E. Moreau. 2,449,310, Sept. 14.
- Integrator. A. Wharton. 2,437,178, Mar. 2.
- Integrator, Electronic light. A. F. Cann. 2,434,101, Jan. 6.
- Intensifying mechanism, Pressure fluid operated pressure. E. A. Rockwell. 2,448,464, Aug. 31.
- Interchange of electrical and acoustical energy, The. E. E. Turner, Jr. 2,452,085, Oct. 26.
- Interchangeable jewel mounting. D. Pfeffer. 2,436,120, Feb. 17.
- Interceptor, Grease. E. W. N. Boosey. 2,440,793, May 4.
- Intercommunicating system. R. H. Herrick. 2,451,339, Oct. 12.
- Interconnection device. R. E. Paris. 2,442,984, June 8.
- Interference reduction for radio signal receivers. W. B. Smith. 2,445,157, July 13.
- Interferometer apparatus for quantitatively determining fluid pressures in wind tunnels. W. E. Williams. 2,434,029, Jan. 6.
- Interferometric light valve. H. Harrison. 2,455,763, Dec. 7.
- Interfolding. N. Marcalus. 2,449,663, Sept. 21.
- Interlock. A. R. Friege. 2,441,316, May 11.
- Interlock, Multiple switch. R. L. Wolff and W. Weber. 2,451,602, Oct. 19.
- Interlocking mechanism. C. H. Bayer. 2,444,240, June 29.
- Interlocking relay. M. G. Nelsen. 2,446,299, Aug. 3.
- Intermittent cam. R. J. Kieffer. 2,445,223, July 13.
- Intermittent combustion hot-air heater. G. J. Fairbanks. 2,443,556, June 15.

- Intermittent current operated motor. C. S. Weyandt and E. J. Missien. 2,439,230, Apr. 6.
- Intermittent drive device. F. M. Thomas. 2,451,416, Oct. 12.
- Intermittent siphon dosing device. P. Legarra. 2,442,133, May 25.
- Intermittently rotatable electric motor. M. M. Hennessy and H. J. Lawrence. 2,444,566, July 6.
- Intermittently vibrating electric motor. P. H. Thompson. 2,456,846, Dec. 21.
- Internal bore gauge. A. Eisele. 2,438,274, Mar. 23.
- Internal-combustion aircraft-type heater. H. J. De N. McCollum. 2,451,627, Oct. 19.
- Internal-combustion engine. S. W. Briggs and R. C. Porter. 2,444,628, July 6.
- Internal-combustion engine. P. Brun. 2,443,890, June 22.
- Internal-combustion engine. J. M. Caldwell. 2,456,110, Dec. 14.
- Internal-combustion engine. J. J. Carroll. 2,447,314, Aug. 17.
- Internal-combustion engine. F. J. Culbert. 2,436,855, Mar. 2.
- Internal-combustion engine. R. Daub. 2,451,322, Oct. 12.
- Internal-combustion engine. J. B. Fisher. 2,457,652, Dec. 28.
- Internal-combustion engine. H. Ford. 2,434,038, Jan. 6.
- Internal-combustion engine. O. Z. Frazier. 2,442,237, May 25.
- Internal-combustion engine. L. O. French. 2,442,082, May 25.
- Internal-combustion engine. E. Grieshaber and K. V. Anderson. 2,444,440, July 6.
- Internal-combustion engine. W. T. Hancock. 2,446,280, Aug. 3.
- Internal-combustion engine. R. J. Herrington. 2,443,957, June 22.
- Internal-combustion engine. L. A. Holan and J. O. Bourdeaux. 2,448,430, Aug. 31.
- Internal-combustion engine. R. M. Hvid. 2,443,912, June 22.
- Internal-combustion engine. R. J. Johnston and A. R. Novotney. 2,455,775, Dec. 7.
- Internal-combustion engine. O. C. Norton. 2,444,108, June 29.
- Internal-combustion engine. A. L. Oberbeck and J. Martin. 2,444,665, July 6.
- Internal-combustion engine. K. K. Probst. 2,440,726, May 4.
- Internal-combustion engine. H. R. Ricardo. 2,450,382, Sept. 28.
- Internal-combustion engine. D. W. Schaeffer. 2,439,867, Apr. 20.
- Internal-combustion engine. W. M. Schroeder. 2,439,265, Apr. 6.
- Internal-combustion engine. F. H. Smith. 2,439,150, Apr. 6.
- Internal-combustion engine. J. Stucke. 2,433,933, Jan. 6.
- Internal-combustion engine. C. E. Summers. 2,435,659, Feb. 10.
- Internal-combustion engine. J. G. Vincent. 2,451,132, Oct. 12.
- Internal-combustion engine and air cleaner therefor. H. Goldberg, S. Z. Siwek, and W. J. Carter. 2,446,920, Aug. 10.
- Internal-combustion engine and operating. E. M. Barber and J. B. Malin. 2,448,950, Sept. 7.
- Internal-combustion engine fuel charges, Method and apparatus for forming. R. C. Porter. 2,444,670, July 6.
- Internal-combustion engine heater. H. M. Reich. 2,435,101, Jan. 27.
- Internal-combustion engine piston. S. M. Zoromskis. 2,438,243, Mar. 23.
- Internal-combustion engine (turbine type). E. W. Gizara. 2,448,972, Sept. 7.
- Internal-combustion engine with double-acting crosshead scavenge pump. O. Petersen. 2,453,639, Nov. 9.
- Internal-combustion engine with opposed pistons. M. Mallory. 2,442,302, May 25.
- Internal-combustion engines, Construction of. E. P. Paxman. 2,436,729, Feb. 24.
- Internal-Combustion engines, Cooling. E. P. Bartlett and H. C. Duus. 2,436,281, Feb. 17.
- Internal-combustion engines, Fuel supply system for. G. J. Armstrong. 2,440,241, Apr. 27.
- Internal-combustion engines, Fuel supply system for. G. J. Armstrong. 2,440,566, Apr. 27.
- Internal-combustion engines, Fuel supply system for. G. J. Armstrong, B. Naylor, and J. E. P. Dunning. 2,440,567, Apr. 27.
- Internal-combustion hot-air heater. L. A. Williams, Jr. 2,457,513, Dec. 28.
- Internal-combustion operated compressors or gas generators, Starting free piston. R. J. Welsh and G. W. Cox. 2,434,877, Jan. 20.
- Internal-combustion power unit having a rotor with pivoted impulse elements. O. B. Summers. 2,435,476, Feb. 3.
- Internal-combustion reaction motor. W. M. Quick. 2,446,785, Aug. 10.
- Internal-combustion rotary motor. R. K. Garnuch. 2,445,877, July 27.
- Internal-combustion rotary motor. C. E. Plummer. 2,454,006, Nov. 16.
- Internal expanding vehicle brake. C. L. Eksbergian, R. B. Temple, and K. C. Harle. 2,451,325, Oct. 12.
- Internal grinding machine. M. A. Mathys. 2,445,146, July 13.
- Internal heat intensifier. E. C. Bourdette. 2,452,898, Nov. 2.
- Internal micrometer gauge. P. F. Adrian. 2,435,263, Feb. 3.
- Internal pipe wrench. L. R. Hall. 2,455,005, Nov. 30.
- Internal threaded gauge. J. F. Anders. 2,434,535, Jan. 13.
- Internally cooled zinc condenser. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,547, Dec. 28.
- Internally insulation lined vessel. A. L. Baker, W. H. Hill, and A. R. C. Markl. 2,451,146, Oct. 12.
- Interpolymer of diallyl fumarate and modified unsaturated alkyl resin. G. F. D'Alelio. 2,441,799, May 18.
- Interpolymer of diallyl maleate and diethylene glycol maleate phthalate. G. F. D'Alelio. 2,445,764, July 27.
- Interpolymer of styrene and fumarodinitrile plasticized with an alkyl phthalyl alkyl glycolate. D. T. Mowry. 2,437,966, Mar. 16.
- Interpolymerization of olefins. E. F. Wadley and J. T. Horeczy. 2,436,238, Feb. 17.
- Interpolymers of a styrene, an allylic acrylate, and an allylic alcohol. R. H. Snyder. 2,441,515, May 11.
- Interpolymers of allylic alcohol and allylic acrylates. R. H. Snyder. 2,441,516, May 11.
- Interpolymers of isoolefins with diolefins and producing same. W. J. Sparks and R. M. Thomas. 2,442,218, May 25.
- Interrupter system, Vibrating. H. J. Brown. 2,443,675, June 22.
- Interrupter, Voltage-limiting arc. R. R. Pittman. 2,434,010-11, Jan. 6.
- Interrupting device, Circuit. E. F. Kohl. 2,454,067, Nov. 16.
- Interval switch. G. Speer. 2,435,370, Feb. 3.
- Intervalometer calibration checker. J. A. Fahrner. 2,435,210, Feb. 3.
- Intraoral tracer, Adjustable. F. E. Smith, D. Lacer, and C. B. McLeod. 2,447,287, Aug. 17.
- Introducer. W. L. Schmitz, Jr. 2,446,724, Aug. 10.
- Invalid pad. W. T. Simpson. 2,437,006, Mar. 2.
- Invalid transfer device. M. M. Farmer. 2,439,163, Apr. 6.
- Invalid's chair. H. D. Mayfield. 2,442,303, May 25.
- Invalid's vehicle. C. F. Wood. 2,433,969, Jan. 6.
- Inverter system. A. V. Loughren. 2,456,204, Dec. 14.
- Invigorating apparatus, Facial. J. Mingea. 2,438,069, Mar. 16.
- Ion-discharge tube. J. G. W. Mulder. 2,444,204, June 29.
- Ionic discharge coating, Method and apparatus for. J. B. Johnson. 2,434,930-1, Jan. 27.
- Ionization chamber. B. L. Weller. 2,436,084, Feb. 17.
- Ionization-type vacuum gauge. R. B. Nelson. 2,454,564, Nov. 23.
- Ionizing means for electrostatic dust-precipitation apparatus. I. R. Cummings. 2,447,933, Aug. 24.
- Iron: See—
- Combination steaming and pressing iron. Pyrex steam electric iron.
 - Electric branding iron. Soldering iron.
 - Electric iron. Stabilizing iron.
 - Electric soldering iron. Steam iron.
 - Heat regulating iron. Steaming and pressing iron.
 - Malleable cast iron. Treatment of cast iron.
- Iron castings, Producing white cast. O. Smalley. 2,455,954, Dec. 14.
- Iron, Chair, and seat cushion therefor. A. C. Grunwald. 2,454,057, Nov. 16.
- Iron cord holder. R. B. Harpster. 2,444,350, June 29.
- Iron for tiltable seats and backs, Chair. H. W. Sheldrick. 2,456,797, Dec. 21.
- Iron holder. M. E. McCan. 2,448,227, Aug. 31.
- Iron in order to obtain a clean metallic surface, Treatment of. F. A. R. Franchi. 2,455,411, Dec. 7.
- Iron or steel, Producing aluminum-coated. V. H. Bradford. 2,444,422, July 6.
- Iron ores, Reduction of. A. T. Cape and C. V. Foerster. 2,444,916, July 13.
- Iron oxide-alkali metal ferrate catalyst and its preparation. M. A. Mosesman. 2,455,696, Dec. 7.
- Iron oxide-alkali metal pyroantimonate catalysts and preparation. M. A. Mosesman. 2,454,398, Nov. 23.
- Iron oxide catalysts, Preparation of extruded. P. R. Pine and E. C. Ray. 2,457,719, Dec. 28.
- Iron powder, Making. W. J. Kroll. 2,441,770, May 18.
- Iron soap pigment, Basic. E. K. Fischer. 2,445,770, July 27.
- Iron sulfate liquors, Treatment of. L. N. Allen, Jr., and W. K. Zahray. 2,440,215, Apr. 20.
- Iron with folding handle. C. B. Coxhead. 2,434,310, Jan. 13.
- Iron with synchronous heat indication, Electric. C. H. Sparklin. 2,439,825, Apr. 20.
- Ironer, A. M. Rasmussen. 2,442,376, June 1.
- Ironer roller extension support. F. Breckenridge. 2,445,418, July 20.
- Ironer, Ruffie. B. J. Litke. 2,451,102, Oct. 12.
- Ironing apparatus, Electrostatic. E. C. Pitman and E. L. Crandell. 2,449,318, Sept. 14.
- Ironing-board attachment. C. M. Henderson. 2,447,907, Aug. 24.
- Ironing board, Built-in. A. P. Lantz. 2,445,956, July 27.

- Ironing board having steam generating means. L. Reichold. 2,450,092, Sept. 28.
- Ironing board leg and brace structure. E. C. Booth. 2,439,769, Apr. 13.
- Ironing cord holder. G. E. Campbell. 2,450,714, Oct. 5.
- Ironing device, Portable. A. L. Briggs. 2,434,483, Jan. 13.
- Ironing machine. H. H. Babcock. 2,448,948, Sept. 7.
- Ironing machine. A. R. Constantine. 2,456,385, Dec. 14.
- Ironing machine. H. E. Page. 2,449,246, Sept. 14.
- Irons, Steam separator for steam. F. W. Busch and C. H. Drewes. 2,441,916, May 18.
- Irradiation of liquids using ultraviolet light. W. W. Wesner. 2,457,761, Dec. 28.
- Irrigating plants. L. A. Richards. 2,445,717, July 20.
- Irrigation pipe coupling. C. Wyss. 2,449,735, Sept. 21.
- Isoamylenes with normal butenes and isobutene, Interpolymerization of. S. H. McAllister. 2,440,286, Apr. 27.
- Isobutylene-isoprene copolymers, Production of vulcanizable. R. F. Pfennig and M. H. Gertz. 2,434,582, Jan. 13.
- Isobutylene purification. H. J. Hishman. 2,443,245, June 15.
- Isobutylene rubber. Vulcanization of. J. H. Trepagnier. 2,457,331, Dec. 28.
- Isocyanates of hydrolyzed ethylene vinyl ester interpolymers. D. J. Loder. 2,451,963, Oct. 19.
- Isolation of gramicidin. H. S. Olcott and H. L. Fraenkel-Conrat. 2,453,534, Nov. 9.
- Isolation of oleandrin. A. I. Ryer and M. Frisch. 2,438,418, Mar. 23.
- Isolation of styrene by azeotropic distillation with picolines and lutidines. K. H. Engel. 2,445,944, July 27.
- Isomerization and hydrogenation process, Combination. H. J. Hepp. 2,454,171, Nov. 16.
- Isomerization of bicyclic substances and products resulting therefrom. J. P. Bain and A. H. Best. 2,453,110, Nov. 9.
- Isomerization of hydrocarbons. T. B. Hudson and J. D. Upham. 2,439,301, Apr. 6.
- Isomerization of normal paraffin hydrocarbons by contact with aluminum chloride supported on a metal halide. J. W. Latchum, Jr., A. D. Pickett, and G. B. Evans. 2,442,418, June 1.
- Isomerization of 1,4-dicyano-2-butene. G. F. Hager. 2,451,386, Oct. 12.
- Isomerization of paraffinic hydrocarbons. E. E. Sensel, W. R. Smith, and A. R. Goldsby. 2,438,421, Mar. 23.
- Isomerization of paraffin hydrocarbons with fluid Friedel-Crafts catalyst and added dicyclic naphthenic hydrocarbons. W. E. Ross. 2,434,437, Jan. 13.
- Isomerization of pinene to camphene. W. F. Carson, Jr. 2,450,119, Sept. 28.
- Isomerization of saturated hydrocarbons. H. Pines. 2,436,484, Feb. 24.
- Isomerization of saturated hydrocarbons. R. E. Sutherland. 2,436,944, Mar. 2.
- Isomerization process. F. E. Frey. 2,450,039, Sept. 28.
- Isomerization process. W. Swerdloff. 2,436,367, Feb. 17.
- Isomers of amino acids, Separation of. A. C. Shabica. 2,456,742, Dec. 21.
- Isoparaffins, Production of. E. W. M. Fawcett and E. S. Narracott. 2,443,418, June 15.
- Isoparaffins with olefins, Alkylation of. W. E. Bradley. 2,435,029, Jan. 27.
- Isoprene esters. F. D. Jones. 2,437,258, Mar. 9.
- Isopropyl benzene, Making. R. E. Burk and E. C. Hughes. 2,442,342, June 1.
- Isopropylidene-*p*-phenoxy-2-ethanol-*p*-phenoxyacetic acid. H. M. Day and D. W. Jayne, Jr. 2,444,594, July 6.
- Isotope separation process. A. F. Reid. 2,435,796, Feb. 10.
- Jack: See—
- Automatic hydraulic jack. Pump jack.
- Automobile jack. Reversible rack and pawl jack.
- Hydraulic bumper jack. Hydraulic jack.
- Hydraulic jack. Sliding ladder jack.
- Hydraulic telescoping lifting jack. Smoke jack.
- Lifting jack. Telescopic hydraulic jack.
- Multiple contact jack. Timberman's jack.
- Object lifting and moving jack. Vehicle bumper jack.
- Vehicle jack.
- Jack. A. H. Peglow. 2,444,112, June 29.
- Jack and concrete form, Combination. M. Salas. 2,451,777, Oct. 19.
- Jack and plug, Multiplex. W. H. Alford. 2,434,534, Jan. 13.
- Jack and tightener, Chain. J. H. Weed. 2,444,866, July 6.
- Jack operated from luggage compartment, Vehicle attached. V. R. Paolucci. 2,451,407, Oct. 12.
- Jack strap and stirrup. F. A. Hamilton. 2,445,065, July 13.
- Jack support. K. F. Semisch. 2,456,218, Dec. 14.
- Jack with ram locking means, Fluid. H. E. Page. 2,455,439, Dec. 7.
- Jacket. Collapsible preformed package. B. Y. James. 2,433,994, Jan. 6.
- Jacket. Water-cooling. E. F. Zimmerman. 2,454,957, Nov. 30.
- Jacket with biswing gusset in front and in back. C. E. Enck. 2,457,356, Dec. 23.
- Jacking device for vehicles, Antiskid. A. M. Sorrentino. 2,439,758, Apr. 13.
- Jar, Canning. H. Pfeumer. 2,449,316, Sept. 14.
- Jar cap. J. S. Conant. 2,443,095, June 8.
- Jar ring. C. L. Silvia and A. Smith. 2,446,493, Aug. 3.
- Jarring mechanism for conveyer flights. S. M. Mercier. 2,439,574, Apr. 13.
- Jelly, Pharmaceutical. W. B. Stillman and A. B. Scott. 2,436,184, Feb. 17.
- Jelly rolls or the like, Making. M. Cohen. 2,450,033, Sept. 28.
- Jet and valve assembly. W. Shallenberg. 2,445,246, July 13.
- Jet ejector furnace. F. O. Hess. 2,443,244, June 15.
- Jet propelled helicopter rotor. T. L. Cummings. 2,446,266, Aug. 3.
- Jet propulsion engine elements, Arrangement of. F. B. Halford. 2,445,114, July 13.
- Jet propulsion fuel feeding and exhaust control device. E. D. Foulks. 2,443,188, June 15.
- Jet propulsion motors with nitroparaffin, Operation of. F. Zwicky, F. J. Ewing, J. M. Carter, and A. J. Stosick. 2,433,943, Jan. 6.
- Jet propulsion system for aircraft. D. K. Warner. 2,444,318, June 29.
- Jet propulsion unit. J. A. Johnson. 2,443,250, June 15.
- Jet reaction motor. R. C. Truax. 2,434,298, Jan. 13.
- Jet system for aircraft control, Reaction. W. W. Williams. 2,451,008, Oct. 12.
- Jetting device. F. M. Turnbull and W. F. Hamilton. 2,434,875, Jan. 20.
- Jetty. G. W. Rehfeld. 2,437,754, Mar. 16.
- Jewel case. P. Fox. 2,439,045, Apr. 6.
- Jewel or bearing material and making same, Synthetic. G. S. Schaberle. 2,440,833, May 4.
- Jig. N. M. Marsilius. 2,451,035, Oct. 12.
- Jig. W. G. Roeder. 2,441,208, May 11.
- Jig, Adjustable drill. A. W. Meyer. 2,455,871, Dec. 7.
- Jig, Adjustable flange. E. C. Bourdette. 2,452,985, Nov. 2.
- Jig, Cutter bit grinding. H. Smiley, Jr. 2,449,957, Sept. 21.
- Jig device for use in drilling holes in racket heads, Locating. H. W. Hall. 2,435,830, Feb. 10.
- Jig for automatic record changers, Repair. A. W. Staab and O. A. Wanden. 2,448,331, Aug. 31.
- Jig for broken drills, Welding. W. J. Sutton. 2,453,046, Nov. 2.
- Jig for centrifugal formation of sheet thermoplastics, Female. M. P. H. Peterson. 2,448,274, Aug. 31.
- Jig, Hood and fender. J. F. O'Kelley. 2,446,487, Aug. 3.
- Jig or fixture. J. F. Guest. 2,438,162, Mar. 23.
- Joining and finishing the seam-margin edges of fabric plies. E. Muecke. 2,448,495, Aug. 31.
- Joint: See—
- Concrete expansion joint. Rail joint.
- Double seal grip tool joint. Ring sealed joint.
- Electrical swing joint. Road center joint.
- Expansion joint. Road joint.
- Explosion-proof swivel pipe joint. Rotatably adjustable pipe joint.
- Flanged joint. Safety joint.
- Flexible conduit joint. Seal grip tool joint.
- Flexible joint. Swing joint.
- Flexible tubing joint. Telescoping joint.
- Fluid joint. Tension bolt joint.
- Fluid-tight joint. Tool joint.
- Glass tubing joint. Tubing tool joint.
- Growth poisoning sewer joint. Turbine cylinder joint.
- Hermetically sealed joint. Two-part clothespin with pivot joint.
- Hinged joint. Universal joint.
- Insulated rail joint. Valved joint.
- Pipe joint. Vehicle frame joint.
- Quick disconnect joint. Vitrified clay pipe joint.
- Radio-frequency joint. Welded joint.
- Joint. F. W. Slack and C. C. Utz. 2,455,543, Nov. 30.
- Joint. A. Venditty. 2,444,121, June 29.
- Joint and integral anchor, Expansion. P. Kopperman. 2,445,484, July 20.
- Joint and making same, Cable splice. A. Z. Mample. 2,446,543, Aug. 10.
- Joint and making the same, Fluid-retaining. J. M. W. Chamberlain. 2,451,070, Oct. 12.
- Joint assembly. J. H. Booth. 2,451,060, Oct. 12.
- Joint assembly, Flexible. L. E. Goble. 2,456,182, Dec. 14.
- Joint brace for reducing swellings. R. Halyard. 2,445,173, July 13.
- Joint composition, Plastic. J. W. Gill. 2,456,269, Dec. 14.
- Joint construction. W. Noble. 2,446,846, Aug. 10.
- Joint construction. E. A. Wahl. 2,455,539, Dec. 7.
- Joint construction for ceramic pipe, Flexible. E. T. Montgomery. 2,445,963, July 27.
- Joint for abrasive belts or bands. W. B. Summers and W. A. Corse. 2,445,807, July 27.
- Joint for air ducts and the like. J. H. Levin. 2,439,254, Apr. 6.
- Joint for artificial limbs. E. Schwarzkopf. 2,438,581, Mar. 30.
- Joint for artificial limbs, Flexible. J. H. Mathis. 2,443,356, June 15.
- Joint for coaxial conductor electric cables. H. Birkby. 2,442,337, June 1.
- Joint for composite structural element. J. P. Jansen. 2,453,918, Nov. 16.

- Joint for cylinder barrels, Packed. M. F. Jackson. 2,447,340, Aug. 17.
- Joint for electric cables. L. G. Brazier. 2,442,193, May 25.
- Joint for electric power cables. J. A. Leno and N. Woodhouse. 2,442,366, June 1.
- Joint for engine exhausts, Self-aligning. L. G. Sagen. 2,443,272, June 15.
- Joint for high-frequency transmission lines. E. C. Quackenbush and H. Selvidge. 2,451,868, Oct. 19.
- Joint for high temperatures, Expansion. G. P. Bunn and H. J. Pankratz. 2,438,312, Mar. 23.
- Joint for metal window frames. H. H. Goldberg. 2,437,598, Mar. 9.
- Joint for metal window sash frames. H. H. Goldberg. 2,445,428, July 20.
- Joint for pipe lines. C. E. Bennett. 2,457,438, Dec. 28.
- Joint for rearview mirrors and the like. E. B. Somers. 2,436,678, Feb. 24.
- Joint for rotary drilling, Swivel. C. E. Casperson. 2,434,684, Jan. 20.
- Joint for structural steel columns and girders. J. A. Larkin. 2,441,890, May 18.
- Joint for tubes. E. E. Howe. 2,445,578, July 20.
- Joint, Making rubber articulated. H. M. Dodge. 2,457,647, Dec. 28.
- Joint material, Pulpstone. Y. H. Nordstrom. 2,446,513, Aug. 3.
- Joint, Pipe. C. C. S. Le Clair. 2,437,543, Mar. 9.
- Joint structure. W. J. Campbell. 2,450,232, Sept. 28.
- Joint structures for cables. C. E. Bennett and P. V. White. 2,449,271, Sept. 14.
- Jointed structure. M. H. Gallagher. 2,438,391, Mar. 23.
- Jointer, Saw. S. Johnson. 2,434,164, Jan. 6.
- Joints, Method and apparatus for making welded pipe. J. D. Mattimore and F. C. Smith. 2,448,107, Aug. 31.
- Joints of hollow beams. A. Borges. 2,445,217, Nov. 30.
- Joist and girder construction. E. A. Heim. 2,454,604, Nov. 23.
- Jordan apparatus. W. Messinger and D. E. Jones. 2,456,883, Dec. 21.
- Journal bearing sleeve. S. R. Leeson. 2,449,662, Sept. 21.
- Journal box. W. T. Bissell. 2,445,597, July 20.
- Journal box. H. R. Reynolds. 2,453,594, Nov. 9.
- Journal box and dust guard. W. H. Sale. 2,434,228, Jan. 6.
- Journal box and dust guard. W. H. Sale. 2,441,645, May 18.
- Journal box structure. T. R. Weber. 2,445,984, July 27.
- Journal dresser. W. Ruby. 2,446,026, July 27.
- Juice extractor. L. Myers. 2,454,256, Nov. 16.
- Juice extractor with vacuum cup rotor. J. W. Kline. 2,444,298, June 29.
- Juicer. H. A. Wormeck and F. P. Hess. 2,446,151, July 27.
- Juicer with hand reciprocated rotary reamer. J. Patrick. 2,454,085, Nov. 16.
- Jump roll, Live. H. O. Beeching. 2,453,401, Nov. 9.
- Jumper stick, Hot line. J. W. Garrison. 2,438,746, Mar. 30.
- Justifying mechanism for typewriters. O. O. Martin. 2,434,665, Jan. 20.
- Kaleidoscope. D. E. Smith. 2,454,577, Nov. 23.
- Kaleidoscope. R. E. Zemelman. 2,447,623, Aug. 24.
- Keeper for door fasteners, Retractable. S. B. Haseltine. 2,449,774, Sept. 21.
- Keratin-containing material, Refining. S. Bakonyi. 2,454,730, Nov. 23.
- Keratin protein with ammonium thiocyanate and the composition resulting therefrom, Dispersing. C. B. Jones and D. K. Mecham. 2,445,029, July 13.
- Keratin proteins and the composition resulting therefrom, Dispersing. C. B. Jones and D. K. Macham. 2,447,860, Aug. 24.
- Keratin, Regenerated. R. L. Evans. 2,434,688, Jan. 20.
- Kerf-cutting machine. L. D. Hagenbook. 2,454,446, Nov. 23.
- Ketchup dispenser. P. Colaluca. 2,453,974, Nov. 16.
- Ketenes with esters of keto acids, Condensation of. H. J. Hagemeyer, Jr. 2,456,503, Dec. 14.
- Ketogulonic acid and its esters, Producing. P. J. van der Laan. 2,444,885, July 6.
- Ketone production. T. F. Doumani and J. F. Cuneo. 2,438,334, Mar. 23.
- Ketones, Preparation of unsaturated. H. O. Mottern and V. F. Mistretta. 2,451,350, Oct. 12.
- Ketones, Production of unsaturated. H. O. Mottern and V. F. Mistretta. 2,451,351, Oct. 12.
- Ketotetrahydropyridine derivatives and hydroxypyridine derivatives, Manufacture of. F. Bergel and A. Cohen. 2,440,218-19, Apr. 20.
- Key. F. E. Best. 2,440,429, Apr. 27.
- Key and latch, Compartment. J. G. Manley. 2,435,722, Feb. 10.
- Key assembly. W. H. St. Thomas. 2,448,332, Aug. 31.
- Key bit. F. E. Best. 2,440,428, Apr. 27.
- Keyboard clearing mechanism. H. T. Avery. 2,447,108, Aug. 17.
- Keyboard, Decatonic. L. Young. 2,456,575, Dec. 14.
- Key case. B. H. Kaminer. 2,451,093, Oct. 12.
- Key control, Musical. J. A. Koehl. 2,452,307, Oct. 26.
- Key, Cotter. J. A. MacLean, Jr., and B. F. Money. 2,439,778, Apr. 13.
- Key for brass musical instruments, Water. E. Williams. 2,439,997, Apr. 20.
- Key holder. E. J. Baker. 2,455,968, Dec. 14.
- Key holder. J. Berger and M. Wachman. 2,451,056, Oct. 12.
- Keyhole cover. A. W. Konchan. 2,439,978, Apr. 20.
- Keyhole saw, Adjustable. C. L. Rhodes. 2,452,148, Oct. 26.
- Key punch. L. L. Curtis. 2,448,961, Sept. 7.
- Key punch slotting machine. N. S. Welk. 2,439,030, Apr. 6.
- Key ring. K. W. Johnson. 2,451,091, Oct. 12.
- Key ring construction. W. J. Morse. 2,435,152, Jan. 27.
- Key shafts and rotors and producing same. N. W. Morse. 2,439,019, Apr. 6.
- Key, Tuning. G. F. Gregg. 2,448,308, Aug. 31.
- Keyway cutter holder. W. J. Boyd, Jr. 2,455,973, Dec. 14.
- Keyer, Frequency shift. J. R. Weiner. 2,448,336, Aug. 31.
- Keying device for aviation ground trainer signaling equipment. H. H. Charles and H. P. Behlen. 2,441,136, May 11.
- Keying system. D. Parson, Jr. 2,447,088, Aug. 17.
- Keys to can ends, Welding of. J. G. Hayes. 2,447,012, Aug. 17.
- Kick stand. H. L. Mueller. 2,455,312, Nov. 30.
- Kinograph movement. H. N. Fairbanks. 2,449,693, Sept. 21.
- Kingpin assembly. J. W. Leighton. 2,449,306, Sept. 14.
- Kit, First-aid. E. M. Campbell. 2,448,171, Aug. 31.
- Kit for standard flashlights, Warning signal conversion. C. J. Delmotte. 2,456,685, Dec. 21.
- Kit, Shaving. P. Bowlin. 2,454,374, Nov. 23.
- Kit, Snake bite. R. K. Cutter. 2,447,844, Aug. 24.
- Kit, Softball. H. L. Dunlap. 2,457,454, Dec. 28.
- Kit, Stapling. T. M. Sisk. 2,447,915, Aug. 24.
- Kit, Wrench. R. S. Banister. 2,448,168, Aug. 31.
- Kitchen cabinet. J. Rose. 2,437,665, Mar. 9.
- Kitchen cabinet. G. E. Watts. 2,450,702, Oct. 5.
- Kite. S. Lang. 2,434,077, Jan. 6.
- Kite. S. Lang. 2,442,417, June 1.
- Kite. W. A. Nowka. 2,437,038, Mar. 2.
- Kite, Wind driven helicopter. H. E. Dunn. 2,442,846, June 8.
- Knee joint for prostheses. O. I. Fahlström. 2,452,446, Oct. 26.
- Knee lock for artificial legs. G. A. Hinkle and A. T. Weger. 2,449,897, Sept. 21.
- Knee pad. D. F. Turner. 2,456,472, Dec. 14.
- Knee pad dolly. B. Gordon. 2,448,427, Aug. 31.
- Knee structure for artificial legs. J. E. Hanger, III. 2,452,459, Oct. 26.
- Knife, Cable sheath cutting. D. D. Stone. 2,442,063, May 25.
- Knife fastening, Sheathed. G. J. Wykoff. 2,439,197, Apr. 6.
- Knife for use on onion crates, Portable topping. W. E. Bebnke. 2,445,818, July 27.
- Knife, fork, and spoon, Combination. W. F. Bolling. 2,456,858, Dec. 21.
- Knife, fork, and spoon set. R. R. Beddow. 2,439,882, Apr. 20.
- Knife, Gauge. C. E. A. O'Loughlin. 2,438,517, Mar. 30.
- Knife having replaceable blades. J. Ciarlone. 2,448,957, Sept. 7.
- Knife, Multibladed. L. W. Mathaus. 2,448,383, Aug. 31.
- Knife rack. M. E. Lessin. 2,446,016, July 27.
- Knife rack. G. H. Lowell, Jr. 2,453,800, Nov. 16.
- Knife sharpening device. E. W. and C. L. Clark. 2,435,671, Feb. 10.
- Knife sharpening kit. W. J. Girard. 2,455,477, Dec. 7.
- Knife, Slicing. H. M. Gustafson. 2,453,220, Nov. 9.
- Knit fabric with gathers therein. B. Sapin. 2,453,542, Nov. 9.
- Knitted fabric and making same. A. J. Cobert. 2,452,835-36, Nov. 2.
- Knitted fabric and method. V. Lombardi. 2,434,045, Jan. 6.
- Knitted fabrics, Method of and apparatus for separating. J. L. Getaz. 2,437,735, Mar. 16.
- Knitting. I. H. C. Green. 2,451,214, Oct. 12.
- Knitting. E. St. Pierre. 2,433,931, Jan. 6.
- Knitting box. H. S. Chase. 2,437,503, Mar. 9.
- Knitting device. H. J. D. Wolff. 2,450,067, Sept. 28.
- Knitting device, Hand. A. Parisi. 2,457,064, Dec. 21.
- Knitting device, Pneumatic. M. Vitoux. 2,454,236, Nov. 16.
- Knitting machine. W. C. Adams. 2,448,344, Aug. 31.
- Knitting machine. O. Fregeolle. 2,438,697, Mar. 30.
- Knitting machine. H. H. Holmes. 2,450,376, Sept. 28.
- Knitting machine. K. Howie. 2,436,171, Feb. 17.
- Knitting machine. S. A. Monk. 2,442,822, June 8.
- Knitting machine. F. M. Shea. 2,436,904, Mar. 2.
- Knitting machine. T. A. Susen. 2,447,103, Aug. 17.
- Knitting machine. G. Wilders and J. E. Lynam. 2,446,862, Aug. 10.
- Knitting machine and knitting. O. Fregeolle. 2,440,333, Apr. 27.
- Knitting machine and knitting. R. H. Lawson. 2,440,280, Apr. 27.
- Knitting machine, Circular. E. W. Clarke. 2,435,771, Feb. 10.

- Knitting machine, Circular. J. J. McDonough. 2,436,318, Feb. 17.
- Knitting machine, Flat. H. Weinstein. 2,440,496, Apr. 27.
- Knitting machine, Flat warp. F. Lambach. 2,451,498, Oct. 19.
- Knitting machine, Hosiery. E. O. Nadon. 2,457,782, Dec. 28.
- Knitting machine of the links-links type. H. H. Holmes and A. H. Widdowson. 2,442,412, June 1.
- Knitting machine, Power-operated flat frame. C. D. Alexander and S. Gibson. 2,434,782, Jan. 20.
- Knitting machine press-off multiple detector. E. Vossen. 2,441,522, May 11.
- Knitting machine, Straight-bar. W. A. Cooper and E. Start. 2,443,813, June 22.
- Knitting machine, Straight bar. J. E. Lynam and P. G. McCarthy. 2,442,090, May 25.
- Knitting machine, Warp. F. Lambach. 2,448,035, Aug. 31.
- Knitting machine, Warp. F. Lambach. 2,451,499, Oct. 19.
- Knitting machine, Warp. F. Lambach. 2,452,579, Nov. 2.
- Knitting machine with wrap thread mechanism, Circular. H. H. Holmes. 2,442,411, June 1.
- Knitting, Number. V. W. Bellamy. 2,435,068, Jan. 27.
- Knitting of shaped fabrics. J. Held and H. Scheer. 2,449,477, Sept. 14.
- Knitting or crocheting device, Hand. A. Coffey. 2,434,609, Jan. 13.
- Knitting pin. B. G. Lewis. 2,443,540, June 15.
- Knob construction for locks. L. J. Kalwo. 2,454,927, Nov. 30.
- Knob, Cushioned. S. K. Wilhelm. 2,449,575, Sept. 21.
- Knob, Fence. A. B. Bussman. 2,434,891, Jan. 13.
- Knob, Fence. A. F. Toelke. 2,438,237, Mar. 23.
- Knockdown article and joint therefor. R. H. Anderson. 2,437,494, Mar. 9.
- Knockdown garden hose reel. J. A. Morrone. 2,441,437, May 11.
- Knockdown metal chair. C. P. Molla. 2,437,303, Mar. 9.
- Knockdown sheet metal cabinet. R. Stevenson and I. Nadolsky. 2,438,257, Mar. 23.
- Knockdown wrought iron chair. C. P. Molla. 2,437,304, Mar. 9.
- Knockout, Printer's. C. W. Wright. 2,455,033, Nov. 30.
- Knot. A. D. Carter. 2,438,537-8, Mar. 30.
- Knot or slub catcher. C. J. Arrington. 2,434,091, Jan. 6.
- Knot tying mechanism. R. L. Dashew. 2,454,689, Nov. 23.
- Knurling tool. H. Boyar. 2,436,950, Mar. 2.
- Knurling tool. A. R. Ross. 2,436,975, Mar. 2.
- Label or liner applying machine. R. J. Gaubert. 2,439,361, Apr. 6.
- Lacquer enamel, Making. M. Thau. 2,451,785, Oct. 19.
- Lacquers and plastic masses, Manufacture and production of. J. G. M. Bremner, D. G. Jones, S. F. Pearce, and L. M. Smith. 2,443,374, June 15.
- Lactalbumin, Treating. G. P. Butterfield and L. A. Thorne. 2,457,642, Dec. 28.
- Lactic acid composition. H. H. Schopmeyer. 2,438,326, Mar. 23.
- Lactone, Purifying a resinous. R. F. B. Cox. 2,454,376, Nov. 23.
- Lactones, Preparing. H. J. Hagemeyer, Jr. 2,450,133, Sept. 28.
- Lactones, Purifying. F. D. Pickel and L. T. Rosenberg. 2,439,905, Apr. 20.
- Ladder attachment. T. E. Graham. 2,452,455, Oct. 26.
- Ladder attachment step. C. J. Patt. 2,439,185, Apr. 6.
- Ladder, Automatically adjustable. K. V. Ozols. 2,451,113, Oct. 12.
- Ladder bracket. C. L. Brown. 2,448,350, Aug. 31.
- Ladder foot. O. A. Linder and E. J. Klaus. 2,449,609, Sept. 21.
- Ladder for ships, Accommodation. J. J. Wallace. 2,448,335, Aug. 31.
- Ladder leveling device. H. C. Thie. 2,444,384, June 29.
- Ladle, Teapot spout. M. W. Goldberg. 2,447,747, Aug. 24.
- Laevulose from vegetable materials, Production of. P. Vergnaud and J. Pigeot. 2,434,235, Jan. 6.
- Lakes of basic dyestuffs. W. E. Ness. 2,455,898, Dec. 7.
- Laminated abrasive wheel. E. Hurst. 2,440,686, May 4.
- Laminated construction. J. N. Tynan. 2,446,893, Aug. 10.
- Laminated electrical insulating material, Making. K. N. Mathes. 2,439,667, Apr. 13.
- Laminated fabric. A. S. Bell and E. L. Greenwood. 2,444,089, June 29.
- Laminated material, Bituminous. W. F. Fair, Jr. 2,455,923, Dec. 14.
- Laminated plastic article. A. V. Keller. 2,439,137, Apr. 6.
- Laminated product and manufacture. C. N. Cone. 2,452,226, Oct. 26.
- Laminated sheet and composition for coating laminae. M. Jacobs. 2,438,339, Mar. 23.
- Laminated structure. E. G. Mitchell and D. B. Timberman. 2,445,858, July 27.
- Laminated structures, Making. C. N. Cone. 2,444,918, July 13.
- Laminating. R. W. Auxier and P. Norelli. 2,439,918, Apr. 20.
- Laminations, Making. E. A. Miller. 2,454,609, Nov. 23.
- Laminations of aluminum and tin, Uniting. R. S. Reynolds. 2,443,870, June 22.
- Lamp: See—
- Adjustable lamp. Incandescent lamp.
 - Arc lamp. Mercury vapor lamp.
 - Bed lamp. Modifiable electric discharge lamp.
 - Bed reading lamp. Multiple circuit stand lamp.
 - Circular electric lamp. Multiple filament electric lamp.
 - Combination illuminating and sterilizing lamp. Multiple filament incandescent lamp.
 - Crater lamp. Multiple filament incandescent lamp.
 - Display lamp. Oven with infrared lamp.
 - Double-ended electric incandescent lamp. Photographic lamp.
 - Ecliptic flasher lamp. Portable electric signal lamp.
 - Electric discharge lamp. Reflecting vapor lamp.
 - Electric lamp. Reflector lamp.
 - Explosion-proof lamp. Signal lamp.
 - Flashlight lamp.
 - Fluorescent hand lamp.
 - Gas discharge lamp.
- Lamp. A. T. Baughn. 2,441,986, May 25.
- Lamp. W. M. Petersdorf. 2,445,079, July 13.
- Lamp and a support therefor. K. C. Richter. 2,449,250, Sept. 14.
- Lamp and the like, Incandescent. R. K. Braunsdorff. 2,444,423, July 6.
- Lamp base assembly. W. F. Masterson. 2,455,131, Nov. 30.
- Lamp box type direction signal. G. Dyer. 2,453,421, Nov. 9.
- Lamp bulb package. R. T. White. 2,443,810, June 22.
- Lamp, Candle. O. D. Guilfoil, Jr. 2,439,467, Apr. 13.
- Lamp circuit and control. C. B. Fowler. 2,433,840, Jan. 6.
- Lamp conductor contact. R. N. Falge and W. T. Mears. 2,449,373, Sept. 14.
- Lamp construction. E. D. L. Bowman. 2,446,455, Aug. 3.
- Lamp control system, Portable fluorescent. I. Pollack. 2,454,670, Nov. 23.
- Lamp cutout. H. E. Butler. 2,443,442, June 15.
- Lamp device. H. A. McIlvaine. 2,446,712, Aug. 10.
- Lamp for hospital beds. E. P. Truesdale. 2,451,995, Oct. 19.
- Lamp for tiltable beds, Adjustable. D. C. Travis. 2,457,752, Dec. 28.
- Lamp holder. R. N. Thayer. 2,441,456, May 11.
- Lamp holder for fluorescent lamps. C. H. Hodgkins. 2,456,940, Dec. 21.
- Lamp holder for tubular lamps. A. A. Richardson. 2,436,266, Feb. 17.
- Lamp, Incandescent electric. H. E. Allen. 2,434,478, Jan. 13.
- Lamp locking device, Fluorescent. M. A. Harris. 2,455,333, Nov. 30.
- Lamp shade. R. A. Hanlin. 2,455,994, Dec. 14.
- Lampshade. M. Kohn. 2,437,825, Mar. 16.
- Lamp shade holder. P. Chilo. 2,453,658, Nov. 9.
- Lamp socket and resistor. C. S. Penfold. 2,457,488, Dec. 28.
- Lamp structure. C. W. Clarkson, Jr. 2,433,982, Jan. 6.
- Lamp supply, Exciter. H. Belar. 2,440,537, Apr. 27.
- Lamp support. S. R. Browne. 2,453,967, Nov. 16.
- Lamp with secret operation, Trick electrical. A. C. Harjes. 2,457,665, Dec. 28.
- Lamp with secret operation, Trick electrical. A. C. Harjes. 2,457,666, Dec. 28.
- Lamps, Adapter for electric. M. D. Betts. 2,444,278, June 29.
- Lamps, Cooling electric. K. F. Rushton. 2,435,409, Feb. 3.
- Lamps, Manufacture of electric. J. W. Juvinall. 2,434,165, Jan. 6.
- Lamps, Method and machine for basing and seasoning fluorescent. J. M. Campbell. 2,439,884, Apr. 20.
- Land and water vehicle. G. Raimondini. 2,449,320, Sept. 14.
- Land mine, Explosive. H. F. Vagts. 2,456,657, Dec. 21.
- Land sail vehicle. H. W. Land. 2,443,565, June 15.
- Landing apparatus, Radio. E. F. W. Alexanderson and F. G. Patterson. 2,451,793, Oct. 19.
- Landing gear by force of slipstream, Actuating aircraft. H. C. Higgins. 2,444,932, July 13.
- Landing gear, Retractable. E. L. Martin. 2,452,251, Oct. 26.
- Landing gear for aircraft, Retractable auxiliary. L. Paraskevas. 2,454,611, Nov. 23.
- Landing gear system. A. C. Patch. 2,452,787, Nov. 2.
- Landing system, Automatic. F. L. Moseley. 2,441,972, May 25.
- Landing system for aircraft, Radio glide path. E. O. Willoughby. 2,447,549, Aug. 24.
- Lap. E. E. Swanson. 2,438,688, Mar. 30.
- Lap, Expandable. A. Ringzelli. 2,440,914, May 4.
- Lapping. F. E. West. 2,441,124, May 4.
- Lapping device. S. J. Robins. 2,436,605, Feb. 24.
- Lapping machine, Double end center. G. Hohwart. 2,456,061, Dec. 14.
- Lapping machine, Wire-drawing die. P. Bieberich. 2,450,077, Sept. 28.
- Lapping or polishing. C. C. Stevens. 2,450,742, Oct. 5.
- Lard, Rendering. F. E. Deatherage. 2,456,684, Dec. 21.
- Laryngoscope. W. K. Long. 2,435,400, Feb. 3.
- Last. S. P. Lovell. 2,445,791, July 27.
- Last, Darning. J. L. Saulsberry. 2,437,758, Mar. 16.

- Last pulling machine. F. Ricks and R. B. Woodcock. 2,435,656, Feb. 10.
- Last shells, Making. L. B. Hooper. 2,447,070, Aug. 17.
- Last, Shoe. A. Crepezzi. 2,433,983, Jan. 6.
- Lasting device. L. G. Miller. 2,450,557, Oct. 5.
- Lasting footwear, Method of and apparatus for use in. J. S. Kamborian. 2,438,918, Apr. 6.
- Lasting machine. C. W. Baker. 2,445,845, July 27.
- Lasting machine. C. W. Baker. 2,455,969, Dec. 14.
- Lasting machine. E. A. Holmgren. 2,446,330, Aug. 3.
- Lasting machine. B. Jorgensen. 2,449,122, Sept. 14.
- Lasting machine. L. G. Miller. 2,444,141, June 29.
- Lasting machine. L. G. Miller. 2,455,694, Dec. 7.
- Lasting shoes. J. S. Kamborian. 2,438,919, Apr. 6.
- Lasting shoes, Method for use in. P. E. Burby. 2,455,467, Dec. 7.
- Latch: See—
- Automatic electromagnetic automobile door emergency latch.
 - Door latch.
 - Door or drawer latch.
 - Door safety latch.
 - Drop bottom mine car latch.
 - Lever release latch.
 - Ratchet type latch.
 - Refrigerator door latch.
 - Safety latch.
 - Sash latch.
 - Solenoid with plunger and latch.
 - Window latch.
- Latch. L. L. Anderson. 2,444,180, June 29.
- Latch. G. E. Curtiss, Jr. 2,445,709, July 20.
- Latch. G. E. Curtiss, Jr. 2,451,380, Oct. 12.
- Latch. C. Ledin. 2,435,180, Jan. 27.
- Latch and opener, Gate. C. E. Dole. 2,441,691, May 18.
- Latch assembly, Mine car. H. H. Pancake. 2,451,406, Oct. 12.
- Latch attachment for wallets, Safety. E. Schwartz. 2,448,398, Aug. 31.
- Latch construction mounting means. G. Hagstrom. 2,440,609, Apr. 27.
- Latch control mechanism, Hydraulic. E. A. Rockwell. 2,457,732, Dec. 28.
- Latch device. E. N. Jacobi. 2,450,145, Sept. 28.
- Latch for electric fence gates. L. J. Schilling. 2,454,348, Nov. 23.
- Latch for machine guns, Backplate. L. A. Anderson. 2,441,382, May 11.
- Latch for menu frames. T. E. Moore. 2,442,902, June 8.
- Latch for sofa bed hinges. W. W. Wilson. 2,437,580, Mar. 9.
- Latch for work holding vise, Snap-action. H. G. Luft. 2,449,748, Sept. 21.
- Latch mechanism, Refrigeration. L. L. Anderson. 2,440,162, Apr. 20.
- Latch mechanism, Spring. W. A. Barnes. 2,448,409, Aug. 31.
- Latch mechanism, Turbine gate. C. L. Avery. 2,436,372, Feb. 24.
- Latch operated clutch. F. E. Curtis. 2,456,928, Dec. 21.
- Latch tripping mechanism. H. W. Sanford. 2,441,978, May 25.
- Latches and the like, Keeper or striker for. G. Hagstrom. 2,440,510, Apr. 27.
- Latching device. N. C. Coates. 2,455,163, Nov. 30.
- Latching device. G. E. Curtiss, Jr. 2,448,083, Aug. 31.
- Latching device. E. M. Kealy. 2,449,074, Sept. 14.
- Latching mechanism, Door. J. H. Hardie. 2,436,769, Feb. 24.
- Latching mechanism, Shuttle. R. H. Book and L. E. Gilbert. 2,446,688, Aug. 10.
- Latching mechanisms for electric switching devices. C. D. Hayward. 2,435,433, Feb. 3.
- Latching or tripping mechanism of circuit breakers. F. S. Green. 2,439,511, Apr. 13.
- Latching, unlatching, and ejecting means for windows and doors, Combination. N. C. Steinicke. 2,456,464, Dec. 14.
- Latent image intensification with sulfur dioxide. W. J. Weyerts and C. W. Wiederhold. 2,437,412, Mar. 9.
- Latex, Thickening. V. Golden. 2,457,542, Dec. 28.
- Lath board. G. A. Buttress. 2,455,016, Nov. 30.
- Lathe. H. D. Chambliss. 2,453,744, Nov. 16.
- Lathe. O. von Zelewsky. 2,437,570, Mar. 9.
- Lathe and motor base for watchmakers' lathes. E. M. La Mont and B. M. Fry. 2,456,959, Dec. 21.
- Lathe attachment. J. A. Civitarese. 2,434,834, Jan. 20.
- Lathe attachment. T. Foster. 2,450,788, Oct. 5.
- Lathe, Automatic step turning. H. J. Sekmann and W. A. Kinsey. 2,450,096, Sept. 28.
- Lathe center. B. Holohan. 2,437,957, Mar. 16.
- Lathe, Copying. G. Clausing and C. B. Gary. 2,449,878, Sept. 21.
- Lathe dog. J. C. Leone. 2,455,071, Nov. 30.
- Lathe for drilling, Tailstock. S. B. Wright. 2,453,825, Nov. 16.
- Lathe, Multiple spindle. C. E. Miller and J. M. Ingalls. 2,456,139, Dec. 14.
- Lathe, Record edging. F. G. Volkel. 2,448,751, Sept. 7.
- Lather making machine. W. A. Haines, Jr. 2,451,083, Oct. 12.
- Launcher, Rocket. F. Ashworth and C. W. Carter. 2,450,929, Oct. 12.
- Launcher, Rocket. W. V. Goodhue and C. W. Carter. 2,450,951, Oct. 12.
- Launching device, Rocket. C. H. Jolly. 2,451,745, Oct. 19.
- Laundry bag, Perforated rubber. A. E. Sidnell. 2,439,757, Apr. 13.
- Laundry bag provided with identifying legends, Compartmented. H. F. Baxter. 2,437,149, Mar. 2.
- Laundry centrifugal. C. O. Rasmussen. 2,437,651, Mar. 9.
- Laundry drier. J. W. Dickey. 2,445,516, July 20.
- Laundry drying machine having plural compartments and a central air tube. E. R. Gould. 2,443,419, June 15.
- Laundry machine provided with end drain means. E. A. Wheeler. 2,436,536, Feb. 24.
- Laundry marking machine. W. J. Keuper. 2,443,426, June 15.
- Lavatory supporting bracket. A. H. Haberstump. 2,448,798, Sept. 7.
- Lawn hose and water nozzle support, Combination. E. J. Much. 2,453,248, Nov. 9.
- Lawn mower. L. Bishop. 2,448,074, Aug. 31.
- Lawn mower. J. A. E. Carlson. 2,450,849, Oct. 5.
- Lawn mower. F. W. Gardner. 2,448,091, Aug. 31.
- Lawn mower. E. W. Petri and F. H. Seeley. 2,453,587, Nov. 9.
- Lawn mower. C. Williams. 2,448,241, Aug. 31.
- Lawn mower and control mechanism therefor, Power. W. I. Smith. 2,453,819, Nov. 16.
- Lawn mower attachment. A. Petersen. 2,443,080, June 8.
- Lawn nozzle support. H. Schaechterle. 2,446,723, Aug. 10.
- Lawn washer and sprinkler support. E. R. Bremer. 2,455,037, Nov. 30.
- Lead burning. A. E. Hughes. 2,456,194, Dec. 14.
- Lead coating ferrous articles. W. Yonkman. 2,456,235, Dec. 14.
- Lead containing ingredients from hydrocarbon fuels, Method and apparatus for removing. S. Rasmussen. 2,448,235, Aug. 31.
- Lead-in construction. R. Denmark and C. H. McWhirter. 2,439,886, Apr. 20.
- Lead-in construction for electrical devices. D. O. Schwenesen. 2,443,545, June 15.
- Lead-in for electron discharge devices, Coaxial. J. W. West. 2,455,846, Dec. 7.
- Lead nitroaminoquinidine, Preparing. L. V. Clark. 2,456,583, Dec. 14.
- Lead salt stabilizers for vinyl halide resins, Organic. M. M. Safford. 2,455,879, Dec. 7.
- Lead screw coupling. L. J. Conroy. 2,440,739, May 4.
- Lead screw nut construction for lathes and the like. D. W. Strom. 2,438,236, Mar. 23.
- Lead silanolate stabilizers for vinyl halide resins. M. M. Safford and E. L. Mincher. 2,455,880, Dec. 7.
- Lead through terminal. L. Johnston. 2,433,911, Jan. 6.
- Lead trowel. L. M. Proffit. 2,450,860, Oct. 5.
- Leads to electrical capacitors, Securing. M. J. Obert. 2,455,136, Nov. 30.
- Leaf Filter. E. A. Ulrich. 2,443,087, June 8.
- Leaf spring. W. B. Berry. 2,450,869, Oct. 12.
- Leak detector. H. L. Burns and J. H. Thomas. 2,449,053, Sept. 14.
- Leak detector for the protective well of a thermal instrument sensitive element. F. W. Hampson. 2,446,760, Aug. 10.
- Leakage fluid to a main fluid supply, System and means for returning. D. C. Gregg. 2,438,245, Mar. 23.
- Leaks in electric cables containing fluid under pressure, Detecting. D. T. Hollingsworth. 2,438,441, Mar. 23.
- Leather skiving device. P. Sergio. 2,437,565, Mar. 9.
- Leclithin composition. W. J. Allingham. 2,447,726, Aug. 24.
- Leetern. A. T. Long. 2,449,492, Sept. 14.
- Leg and brace structure, Ironing board. E. C. Booth. 2,445,598, July 20.
- Leg brace. G. A. Burrows. 2,456,046, Dec. 14.
- Leg fitter, Short. G. A. Ross, Jr. 2,441,511, May 11.
- Lehr feeder. A. F. Tremblay. 2,437,214, Mar. 2.
- Lengthening skirts. L. E. Hoagland. 2,441,664, May 18.
- Lens and filter for cameras. G. E. Merritt. 2,446,843, Aug. 10.
- Lens assembly. C. H. Bachman. 2,452,893, Nov. 2.
- Lens correction device, Electron. J. Hillier. 2,455,676, Dec. 7.
- Lens for cameras, Varifocal. F. G. Back. 2,454,686, Nov. 23.
- Lens for correcting scanning defects, Magnetic. C. V. Bocciarelli. 2,455,977, Dec. 14.
- Lens for lighting equipment. P. H. Mitchell and S. Malcolm. 2,454,332, Nov. 23.
- Lens for projection systems, Adjustable condenser. N. T. Knutson and P. C. Foote. 2,456,711, Dec. 21.
- Lens grinding apparatus, Eyeglass. L. H. Metzger and W. B. Muse. 2,435,320, Feb. 3.
- Lens grinding machine. G. E. Bonin. 2,453,300, Nov. 9.
- Lens heater. T. Abrams, M. B. Moore, and R. Nelson. 2,442,913, June 8.
- Lens holding means for semirigid tenon spectacle mountings. S. E. Bouchard. 2,439,357, Apr. 6.
- Lens marking gauge. C. W. Focht. 2,450,651, Oct. 5.
- Lens mount locking ring. A. E. Schubert and G. W. Schnetzer, Jr. 2,441,104, May 4.
- Lens, Ophthalmic. W. H. Glazer. 2,442,849, June 8.
- Lens polishing. F. G. Leeman. 2,450,433, Oct. 5.
- Lens system for telescopes. W. Schade. 2,441,036, May 4.
- Lens system, Optical. D. S. Grey. 2,440,088, Apr. 20.
- Lens system with chromatic aberration and without noticeable magnification. K. Y. Ohman. 2,456,728, Dec. 21.

- Lens, Tangent cone contact. W. Feinbloom. 2,438,743, Mar. 30.
- Lens, Telephoto. G. H. Aklis. 2,441,093, May 4.
- Lenses, Making optical. A. W. Kingston. 2,443,390, June 15.
- Letroff for looms. A. Palmer and V. F. Sepavich. 2,450,484, Oct. 5.
- Letroff for looms. V. F. Sepavich and C. R. Kronoff. 2,450,489, Oct. 5.
- Letter box. M. McKallick. 2,438,785, Mar. 30.
- Leucine, Preparation of. S. Archer and N. F. Albertson. 2,445,817, July 27.
- Level. S. Shaler. 2,439,698, Apr. 13.
- Level and phase control, Signal. W. H. Sayer. 2,441,334, May 11.
- Level control, Bin. E. V. Francis. 2,441,480, May 11.
- Level control device, Different density fuel. L. V. McCarty. 2,436,933, Mar. 2.
- Level control, Liquid. J. A. Campbell. 2,448,251, Aug. 31.
- Level measurement and control, Liquid. A. Wolf. 2,456,233, Dec. 14.
- Level winding attachment for reels. P. M. Eaby. 2,445,212, July 13.
- Leveler, Automatic. M. B. Moore. 2,446,096, July 27.
- Leveler, Land. M. A. Clark. 2,444,977, July 13.
- Leveler, Land. L. Oswald. 2,440,642, Apr. 27.
- Leveler, Rail. D. A. Benner. 2,434,254, Jan. 13.
- Leveling and aligning means. A. M. Guillet. 2,449,219, Sept. 14.
- Leveling and contouring machine. N. C. Locke. 2,450,200, Sept. 28.
- Leveling and training mechanism. C. R. Hanna and L. B. Lynn. 2,457,228, Dec. 28.
- Leveling device. C. O. Rothweiler. 2,440,211, Apr. 20.
- Leveling device for cable-tool drills. H. W. Thornburg. 2,443,209, June 15.
- Leveling device for gyroscopic rotors, Magnetic. W. Leathers and G. S. Di Monico. 2,449,661, Sept. 21.
- Leveling machine. F. V. Hart. 2,455,482, Dec. 7.
- Leveling machine. F. V. Hart and F. L. Mooney. 2,439,889, Apr. 20.
- Leveling machine. F. L. Mooney. 2,457,172, Dec. 28.
- Leveling screw, Dustproof. W. Patrosio and W. Ferber. 2,438,479, Mar. 23.
- Leveling support. W. H. Gille. 2,446,325, Aug. 3.
- Leveling tool. N. B. F. Hollander. 2,438,558, Mar. 30.
- Lever. W. A. Hyland. 2,454,701, Nov. 23.
- Lever, Aircraft control. E. H. Schenk. 2,441,211, May 11.
- Lever, Control. G. Quayle. 2,450,354, Sept. 28.
- Lever feeding means, Locking. H. A. Rau. 2,451,974, Oct. 19.
- Lever for aircraft controls. E. H. Schenk. 2,441,212, May 11.
- Lever operated tiltable receptacle structure. W. H. Wheeler. 2,444,125, June 29.
- Lever release latch. F. S. Deschermeier. 2,440,395, Apr. 27.
- Lever, Self-locking. O. G. Blocher. 2,440,630, Apr. 27.
- License plate holder. J. S. Slamka. 2,454,722, Nov. 23.
- Lid for containers, Liner. S. Shaffer. 2,456,607, Dec. 14.
- Lid for use with cooking ovens, Self-raising. F. H. Schneider. 2,434,582, Jan. 13.
- Lid, Railway journal box. J. McMullen. 2,444,779, Aug. 10.
- Lid support. J. E. Lundberg. 2,442,955, June 8.
- Life jacket. R. E. Coombs and R. C. Hale. 2,453,700, Nov. 16.
- Life preserver belt, Dual tube pneumatic. E. C. Craig. 2,451,474, Oct. 19.
- Life preserver belt, Dual tube pneumatic. E. C. Craig and L. A. Straits. 2,451,475, Oct. 19.
- Lift, Air pressure stage. B. L. Mahon. 2,446,940, Aug. 10.
- Lift and latch for deep-freeze cabinet lid. W. O. Burke. 2,440,734, May 4.
- Lift check valve. L. T. Stoyke. 2,440,027, Apr. 20.
- Lift, Dumping truck. W. A. Kostick. Re. 23,011, June 29.
- Lift, Invalid. D. F. and J. N. Vanderlyn. 2,439,066, Apr. 6.
- Lift mechanism for implements. J. Morkoski. 2,440,779, May 4.
- Lift, Power. W. H. Silver. 2,436,155, Feb. 17.
- Lift, Vehicle. J. Felzer. 2,450,648, Oct. 5.
- Lifter: See—
- Bobbin lifter. Lug box lifter.
- Cadaver lifter.
- Lifter and container, Pastry. H. W. Brown and L. Stanzel. 2,446,629, Aug. 10.
- Lifting apparatus. E. P. Grime. 2,433,900, Jan. 6.
- Lifting appliance, Load. W. A. Ross. 2,449,863, Sept. 21.
- Lifting attachment for crane trucks, Drum. E. J. Roy. 2,448,124, Aug. 31.
- Lifting device. E. J. Brinkert. 2,454,548, Nov. 23.
- Lifting device. J. M. J. Riboud. 2,438,415, Mar. 23.
- Lifting device for automobiles. V. R. Paolucci. 2,451,408, Oct. 12.
- Lifting device for tractors. C. W. Mott. 2,440,780, May 4.
- Lifting jack. C. A. Crane. 2,437,078, Mar. 2.
- Lifting jack. F. P. Hallor. 2,441,762, May 18.
- Lifting mechanism for dump bodies. G. M. Rumsby. 2,454,481, Nov. 23.
- Lifting mechanism for industrial trucks. H. J. Framhein. 2,439,599, Apr. 13.
- Ligation instrument. W. J. Miller. 2,433,956, Jan. 6.
- Light: See—
- Aircraft landing and taxiing light. Portable light.
- Automobile trouble light. Position light.
- Door lock light. Safety light.
- Multipurpose light. Signal system employing polarized light.
- Oscillating warning light. Traffic control light.
- Portable electric signal light. Utility light.
- Portable hand light. Victory light.
- Light and rearview mirror, Combined signal. P. A. Chambers. 2,457,348, Dec. 28.
- Light attachment for telephones. L. L. Satz. 2,442,988, June 8.
- Light bulb, Multiple life. S. J. Meno and J. R. Cavanagh. 2,448,493, Aug. 31.
- Light control, Bicycle rear. R. Boucher. 2,449,200, Sept. 14.
- Light control device, Remote control. F. Chanoux. 2,448,859, Sept. 7.
- Light controlling mechanism for film printing machines. M. T. Metzger. 2,440,906, May 4.
- Light-diffusing cellulose acetate compositions. J. E. G. Lahousse and A. Renouez. 2,443,918, June 22.
- Light fastness testing apparatus, Accelerated. E. A. Williford. 2,434,450, Jan. 13.
- Light for automobiles, Stop. C. J. Montenotte. 2,455,794, Dec. 7.
- Light for automobiles, Trouble. S. F. Stelmack. 2,435,165, Jan. 27.
- Light for cabinets, Automatic. E. R. Cobbs. 2,448,080, Aug. 31.
- Light for sewing machines, Attachable. J. Auer. 2,447,833, Aug. 24.
- Light for vehicles, Oscillating warning. J. D. Kennelly. 2,455,497, Dec. 7.
- Light for vehicles, Warning. J. D. Kennelly. 2,456,287, Dec. 14.
- Light holder for pianos, Fluorescent. H. Nicolaysen. 2,455,798, Dec. 7.
- Light-modifying attachment for lamps used in photography. H. Jacobs. 2,441,489, May 11.
- Light modulation by variable transmissivity receiver screen. T. W. Sukumlyn. 2,454,488, Nov. 23.
- Light, Neon. G. L. Walter. 2,448,937, Sept. 7.
- Light polarizing headlight lamination. H. O. Buzzell. 2,453,194, Nov. 9.
- Light-polarizing image and forming the same. E. H. Land, J. Mahler, and M. Hyman, Jr. 2,440,106, Apr. 20.
- Light-polarizing lamination having a plurality of coplanar protective glass elements. E. H. Land. 2,440,103, Apr. 20.
- Light-polarizing polyvinyl sheet containing polyvinyl compound-boric acid complex. F. J. Binda. 2,445,555, July 20.
- Light-polarizing suspension of oriented crystals of dibenzacridine periodide in cellulose acetate. V. Georgian, W. F. Amon, Jr., R. Gofstein, E. H. Land, C. D. West, and R. B. Woodward. 2,441,019, May 4.
- Light-polarizing, two-tone image on a sheet, Manufacture of. E. H. Land. 2,440,102, Apr. 20.
- Light-polarizing viewer for use in connection with stereoscopic pictures. E. H. Land. 2,440,104, Apr. 20.
- Light-reflecting device, Retrodirective. R. W. Luce. 2,444,356, June 29.
- Light responsive displacement indicator. D. E. Sunstein. 2,455,532, Dec. 7.
- Light rotator, Magneto-optic. F. W. Bubb and A. L. D. d'Adrian. 2,442,396, June 1.
- Light-sensitive electric device including silicon. R. S. Ohl. 2,443,542, June 15.
- Light sensitive electric discharge device. E. D. McArthur. 2,434,622, Jan. 13.
- Light-sensitive element for color photography. A. Wright. 2,437,924, Mar. 16.
- Light-sensitive materials, Diazotype. D. Johnston. 2,456,514, Dec. 14.
- Light shielding liquid system for multiple window construction, Selectively controlled. R. W. Winn. 2,439,553, Apr. 13.
- Light source. J. L. Cox. 2,449,880, Sept. 21.
- Light stable compositions comprising polymeric vinylidene chloride and 2-hydroxy-5-chloro-benzophenone-2'-carboxylic acid. C. B. Havens. 2,455,674, Dec. 7.
- Light stable compositions comprising polymeric vinylidene chloride or vinyl chloride and certain 5-substituted 2-hydroxybenzophenones. T. Houtman, Jr. 2,434,496, Jan. 13.
- Light system for knitting machines. M. Violandi. 2,456,160, Dec. 14.
- Lighter: See—
- Fuel indicating lighter.
- Lighter. J. F. Rogers. 2,449,414, Sept. 14.
- Lighter. G. P. Schmitt. 2,444,956, July 13.
- Lighter. G. P. Schmitt. 2,445,890, July 27.
- Lighter. H. C. Sundby. 2,437,623, Mar. 9.
- Lighter. A. Szerenyi. 2,442,186, May 25.
- Lighter, Cigar. W. L. Nissen. 2,449,314, Sept. 14.
- Lighter, Cigar or cigarette. A. Geiger. 2,456,694, Dec. 21.
- Lighter, Cigarette. F. D. Lewis, Jr. 2,457,053, Dec. 21.
- Lighter, Cigarette. J. Simon and R. S. Temko. 2,451,515, Oct. 19.

- Lighter construction. A. Campos. 2,445,513, July 20.
 Lighter construction, Cigar. W. I. Nissen. 2,455,698, Dec. 7.
 Lighter, Electric fuse. A. M. Cohan. 2,437,153, Mar. 2.
 Lighter for gas burners. E. H. Mueller. 2,444,142, June 29.
 Lighter, Novelty. J. P. Kohut. 2,453,713, Nov. 16.
 Lighter, Pipe and cigarette. W. J. Miller, Jr. 2,444,663, July 6.
 Lighter, Pocket. B. H. Gostkowski. 2,437,354, Mar. 9.
 Lighter, Pocket. A. E. Perkins. 2,434,515, Jan. 13.
 Lighter, Pocket cigarette. I. E. Neft. 2,442,508, June 1.
 Lighter, Pyrophoric. F. J. Camm. 2,454,501, Nov. 23.
 Lighter, Pyrophoric. H. Konrad. 2,451,188, Oct. 12.
 Lighter shell and making same. C. D. Dosker. 2,454,998, Nov. 30.
 Lighting control and indication system, Airport. W. T. Powell. 2,438,453, Mar. 23.
 Lighting equipment. C. Moser. 2,448,494, Aug. 31.
 Lighting equipment. R. B. Netting. 2,434,951, Jan. 27.
 Lighting equipment, Explosion-proof. D. H. Tuck. 2,447,922, Aug. 24.
 Lighting equipment, Neon. S. Denning. 2,451,539, Oct. 19.
 Lighting fixture. R. G. Maurette. 2,448,001, Aug. 24.
 Lighting fixture. A. E. Wiedenhoef. 2,454,243, Nov. 16.
 Lighting fixture cover. G. W. Beals. 2,455,107, Nov. 30.
 Lighting fixture, Fluorescent. M. Murino. 2,452,137, Oct. 26.
 Lighting set. B. A. Belling. 2,453,695, Nov. 16.
 Lighting set, Electric. E. E. Mendonca. 2,453,925, Nov. 16.
 Lighting standard, Street. H. J. Finer. 2,456,179, Dec. 14.
 Lighting system and lantern for use therein. P. E. Ferlin and E. Rambusch. 2,437,350, Mar. 9.
 Lighting system and lighting units for use therein. D. H. Tuck. 2,447,923, Aug. 24.
 Lighting systems, Electric. W. J. and E. E. Cheshier. 2,447,736, Aug. 24.
 Lighting unit. H. Handler. 2,434,108, Jan. 6.
 Lightning arrester. W. C. Hasselhorn and J. F. Jaap. 2,454,448, Nov. 23.
 Lightning arrester for television transmission lines, etc. E. O. Johnson. 2,440,748, May 4.
 Lignin residues, Treating. E. Farber. 2,453,213, Nov. 9.
 Ligno-cellulosic materials with urea-formaldehyde, Resinifying. W. K. Loughborough. 2,442,897, June 8.
 Limb, Artificial. S. B. Samons, Sr. 2,451,980, Oct. 19.
 Limb, Artificial. H. M. Witmyer and W. R. Simpson, Jr. 2,439,195, Apr. 6.
 Lime product and making the same, Hydrated. L. J. Minnick. 2,453,637, Nov. 9.
 Limit stop apparatus. W. T. White and D. H. Courter. 2,434,680, Jan. 20.
 Limit switch. R. J. Schaedler. 2,442,711, June 1.
 Limited torque tool. F. W. Livermont. 2,439,980, Apr. 20.
 Limiting system, Signal amplitude. G. J. C. Andresen. 2,453,958, Nov. 16.
 Limiter. S. R. Rich. 2,450,443, Oct. 5.
 Linear follow-up system. G. S. Miles. 2,439,094, Apr. 6.
 Linear movement self-synchronous system. R. S. Childs. 2,441,869, May 18.
 Linear polymers and copolymers of branch-chain hexadienes, Hydrogenated. R. C. Morris and J. L. Van Winkle. 2,449,949, Sept. 21.
 Linear silmethylenesiloxane. B. A. Bluestein. 2,452,895, Nov. 2.
 Line deicer, Electric. C. H. Clement. 2,453,361, Nov. 9.
 Line drawing attachment for typewriters. B. L. Clark. 2,446,360, Aug. 3.
 Line for bearing deviation indicators, Lag-lead. M. H. Hebb. 2,433,991, Jan. 6.
 Line holder. H. E. Tresidder. 2,446,253, Aug. 3.
 Line-latching means for clothesline props. C. J. N. Kuendel. 2,442,295, May 25.
 Line marking tool. G. E. Snethen. 2,452,962, Nov. 2.
 Line securing device. S. L. Atkins. 2,452,175, Oct. 26.
 Line tap clamp. S. P. Becker. 2,456,808, Dec. 21.
 Line tightener. C. Gobel. 2,452,368, Oct. 26.
 Line tightener and fastener. P. Romano. 2,450,358, Sept. 28.
 Lined igniter-charge tube. L. T. Meister. 2,446,187, Aug. 3.
 Lined pipe. A. L. Baker, A. R. C. Markl, and A. Blahut. 2,451,145, Oct. 12.
 Liner, Basket. H. L. Thiele. 2,439,276, Apr. 6.
 Liner evaporator, Refrigerator. B. C. Johnson. 2,451,744, Oct. 19.
 Liner for engine cylinders. C. H. Dolan, II. 2,449,771, Sept. 21.
 Liner hanger. G. D. Johnson. 2,442,544, June 1.
 Liner plate for jaw crushers. A. J. Roubal. 2,453,596, Nov. 9.
 Liner setting and cementing tool. R. E. O'Donnell. 2,436,525, Feb. 24.
 Lining composition and container wall lined therewith. R. M. Snyder. 2,451,362, Oct. 12.
 Lining for shoes forming prescription pockets, Special. R. E. Knowles. 2,435,313, Feb. 3.
 Lining, Furnace. G. T. Hubbell. 2,438,559, Mar. 30.
 Lining machine, Crown closure. D. L. Shanklin and R. P. Stokes. 2,442,179, May 25.
 Link, Cartridge belt. H. B. Holroyd. 2,435,590, Feb. 10.
 Link, Cartridge belt. R. R. Studler. 2,451,519, Oct. 19.
 Link construction, Tubular. S. Ritter. 2,457,275, Dec. 28.
 Link, Parachute shroud. A. Thomas. 2,447,921, Aug. 24.
 Link-pin retaining device for radial engines. W. R. Dittmar. 2,437,877, Mar. 16.
 Linkage for artificial legs. G. G. Havens. 2,450,728, Oct. 5.
 Linkage for bracelets and watch bracelets, Expandable. J. J. Vastano. 2,444,684, July 6.
 Linkage for equipping radially guided apparatus. R. W. Jenny. 2,450,046, Sept. 28.
 Linkage, Mechanical. L. Cook. 2,455,329, Nov. 30.
 Linkage, Tire chain. H. Madison. 2,438,248, Mar. 23.
 Linoleum dispenser. T. Pettyjohn and R. T. Stickel. 2,446,103, July 27.
 Lip protector device. N. Malerman. 2,434,078, Jan. 6.
 Lipovitellenin from egg yolk, Isolation of. H. L. Fevold and A. L. Dimick. 2,454,915, Nov. 30.
 Lipstick. C. H. Braselton. 2,457,342, Dec. 28.
 Lipstick case. H. K. Kaye. 2,456,948, Dec. 21.
 Lipstick container. C. Nehrk. 2,453,250, Nov. 9.
 Lipstick container. D. A. Seaver. 2,444,375-7, June 29.
 Lipstick dress protector. D. Evenwell. 2,455,986, Dec. 14.
 Lipstick holder. G. Russo. 2,454,718, Nov. 23.
 Lipstick holder with diverse expellant parts. J. W. Anderson. 2,442,109, May 25.
 Liquefied gas extractor. H. C. Cooper. 2,440,738, May 4.
 Liquid air boiler. G. T. Underwood. 2,446,498, Aug. 3.
 Liquid and gas transfer in mercury switches. E. W. Rickmeyer. 2,448,687, Sept. 7.
 Liquid clarifying apparatus. A. Butcher. 2,452,991, Nov. 2.
 Liquid collecting and directing means. G. E. Burks. 2,446,651, Aug. 10.
 Liquid column level. C. C. Leach. 2,438,758, Mar. 30.
 Liquid compositions for curing concrete. R. E. Madison. 2,441,826, May 18.
 Liquid controlling device, Thermostatic. H. B. Drapeau. 2,454,141, Nov. 16.
 Liquid cooler. E. F. Chisholm. 2,435,034, Jan. 27.
 Liquid cooling apparatus. G. K. Bently. 2,433,977, Jan. 6.
 Liquid copolymer of beta myrcene and para methyl styrene. E. L. Kropp. 2,439,343, Apr. 6.
 Liquid dispenser. S. M. Abbott. 2,436,030, Feb. 17.
 Liquid dispenser. F. H. Kretschmer and C. G. Filter. 2,456,958, Dec. 21.
 Liquid dispenser. C. H. Mueller and V. G. Klein. 2,434,771, Jan. 20.
 Liquid dispenser. W. E. Turner. 2,445,130, July 13.
 Liquid dispensing apparatus, Refrigerated. C. V. Di Pietro. 2,435,774, Feb. 10.
 Liquid dosing apparatus. H. A. Rush. 2,447,031, Aug. 17.
 Liquid elevating apparatus. J. C. Reed. 2,438,298, Mar. 23.
 Liquid filtering apparatus, Portable. E. A. Robertson. 2,436,077, Feb. 17.
 Liquid filtration. R. V. Hicks. 2,455,486, Dec. 7.
 Liquid freezing device. H. E. Smith. 2,435,802, Feb. 10.
 Liquid fuel burner. R. W. De Lancey. 2,455,115, Nov. 30.
 Liquid-fuel combustion chamber. W. H. Lindsey and S. Allen. 2,438,858, Mar. 30.
 Liquid gauge. H. Molaver. 2,446,844, Aug. 10.
 Liquid handling means. E. E. Wemp. 2,440,624, Apr. 27.
 Liquid-hydrocarbon-resistant container. V. N. Braden. 2,451,911, Oct. 19.
 Liquid inflating device for tires. J. C. Crowley. 2,434,991, Jan. 27.
 Liquid level gauge. H. L. Wood. 2,451,704, Oct. 19.
 Liquid level indicator. L. W. Burch. 2,456,617, Dec. 21.
 Liquid level indicator. C. F. Wallace. 2,455,200, Nov. 30.
 Liquid level indicator. L. B. Winton. 2,438,330, Mar. 23.
 Liquid measuring, can filling apparatus. C. F. Eaton. 2,441,262, May 11.
 Liquid mixing valve. K. M. Newcomer. 2,453,809, Nov. 16.
 Liquid oxygen pump. W. L. DeBaufre. 2,447,741, Aug. 24.
 Liquid oxygen "walkaround" unit. S. S. Prentiss. 2,434,956, Jan. 27.
 Liquid polymeric dimethyl silicones. R. R. McGregor and E. Leathan. 2,452,254, Oct. 26.
 Liquid product and thermostatic device embodying same. V. Morrill, Jr. Re. 22,961, Jan. 6.
 Liquid seal device. G. I. Cockerill. 2,440,394, Apr. 27.
 Liquid-tight envelope bags, Multiple fabrication method and apparatus for. H. F. Waters. 2,444,685, July 6.
 Liquid treatment of yarn, thread, and the like, Method and apparatus for. W. H. Furness. 2,453,366, Nov. 9.
 Liquids, confections, and the like, Method of and apparatus for cooling. A. F. McMahon. 2,435,942, Feb. 10.
 Liquids, Dehydration of. V. W. Sherman. 2,434,966, Jan. 27.
 Liquids, Sterilizing. S. O. Levinson and F. Oppenheimer. 2,452,201, Oct. 26.
 Liquor from cereal products, Manufacture of a new malt. A. C. Gluek. 2,442,806, June 8.
 Liquors containing unsaturated organic compounds for recovering the same, Treating aqueous. A. Schwerdle. 2,454,349, Nov. 23.
 Lithium base greases, Manufacture of. J. A. Bell. 2,444,720, July 6.
 Lithium base, Preparing. O. P. Puryear and H. V. Ashburn. 2,450,255, Sept. 28.

- Lithium hydride and hydrides of other alkali metals, Producing. P. P. Alexander. 2,450,266, Sept. 28.
- Lithium hypochlorite, Purifying. H. L. Robson. 2,443,168, June 8.
- Lithium soap in an aqueous solution of lithium hypochlorite, Inhibiting the precipitation of. E. C. Soule. 2,435,474, Feb. 3.
- Lithographic plate glass graining machine clamp. M. G. Dunn. 2,457,452, Dec. 28.
- Litter stretcher-bar assembly. S. G. Thomson. 2,455,027, Nov. 30.
- Load and voltage recordings of electrical distribution systems on a single recorder, Obtaining. T. Oakley. 2,454,882, Nov. 30.
- Load breaking device, Electrical. P. B. Hoyer. 2,455,998, Dec. 14.
- Load compensating brake. A. J. Bent. 2,450,464, Oct. 5.
- Load handling apparatus. F. K. Flynn and R. H. Adelman. 2,445,614, July 20.
- Load handling equipment. W. M. Huston. 2,445,116, July 13.
- Load leveler for power scoops. B. Burrow. 2,455,160, Nov. 30.
- Load measuring system. A. H. Graham. 2,444,252, June 29.
- Load moving machine. H. C. Perman. 2,453,755, Nov. 16.
- Load regulation of synchronous machines. R. Keller. 2,434,932, Jan. 27.
- Load ring for V-belts. A. C. Daman. 2,436,381, Feb. 24.
- Load weighing device. A. C. Ruge. 2,439,146, Apr. 6.
- Loaded cars, Method of and apparatus for precooling. P. Nalbandian. 2,442,932, June 8.
- Loader, Cane. J. J. Munson. 2,445,076, July 13.
- Loader attachment for tractors, Shovel. W. V. Warren. 2,453,649, Nov. 9.
- Loader for grease guns. P. E. Purcell. 2,440,448, Apr. 27.
- Loader, High lift. D. S. Hoover. 2,441,070, May 4.
- Loader machine. J. B. Kucera. 2,456,879, Dec. 21.
- Loader, Magazine. A. H. Uglum. 2,451,521, Oct. 19.
- Loader, Overhead. A. A. Losch. 2,446,938, Aug. 10.
- Loader, Pneumatic grain. F. H. Theis. 2,437,138, Mar. 2.
- Loader, Shovel. G. W. Way. 2,437,010, Mar. 2.
- Loader, Tractor mounted. W. E. Knapp. 2,454,461, Nov. 23.
- Loader, Truck. G. Whitehurst, V. E. Slater, G. F. Bruno, J. M. Hubbard, and G. P. Krawitz. 2,451,138, Oct. 12.
- Loading and conveying mechanism, Coal. R. Peale and R. Peale, Jr. 2,457,267, Dec. 28.
- Loading and firing mechanism for quick-firing guns. D. W. Molins, V. P. Harvey, J. A. Mason, and G. F. W. Powell. 2,439,142, Apr. 6.
- Loading and packaging device. M. Matsen and E. R. Jones. 2,455,433, Dec. 7.
- Loading and stacking machine. C. A. Carlson and A. W. Bittner. 2,457,346, Dec. 28.
- Loading and transporting device. B. and M. Phillips. 2,447,959, Aug. 24.
- Loading and unloading device for wire stranding, rope and cable making machines. A. and L. J. Larmuth. 2,451,754, Oct. 19.
- Loading aircraft, Method and apparatus for. D. V. Severs. 2,443,276, June 15.
- Loading control for materials testing machines, Rate of. W. D. MacGeorge. 2,445,682, July 20.
- Loading device. H. Drettmann. 2,437,808, Mar. 16.
- Loading device. A. R. Henry. 2,442,043, May 25.
- Loading device attachment for tractors. D. W. Machin. 2,436,723, Feb. 24.
- Loading device for baking ovens. W. L. Mueller and C. R. Skarin. 2,436,052, Feb. 17.
- Loading device for plastic molding machines. W. F. Bradley. 2,451,912, Oct. 19.
- Loading device for trucks or other mobile vehicles. J. E. Owen. 2,441,591, May 18.
- Loading machine. J. B. McDade. 2,441,581-2, May 18.
- Loading machine. W. Whaley. 2,437,629, Mar. 9.
- Loading machine, Belt. E. Ardell. 2,448,072, Aug. 31.
- Loading machine, Clip. J. E. Pool and J. W. P. Beaver. 2,452,600, Nov. 2.
- Loading machine, Practice. J. S. Bialek. 2,441,218, May 11.
- Loading means, Truck. S. Smith. 2,453,943, Nov. 16.
- Loading ramp, Portable. C. G. Agren. 2,449,829, Sept. 21.
- Loading ships. R. L. Burke. 2,451,198, Oct. 12.
- Loaf dividing mechanism, Sliced. J. Hexter and W. E. Lanham. 2,439,657, Apr. 13.
- Localizer radio antenna array. D. J. Kitzerow. 2,434,934, Jan. 27.
- Localizing and visualizing foreign bodies, Method of and apparatus for. H. Steinhaus. 2,441,538, May 11.
- Locating and locking mechanism for machine-tool turrets. M. S. Curtis. 2,453,120, Nov. 9.
- Locating and positioning foot corrective appliances. W. M. Scholl. 2,449,535, Sept. 14.
- Locating apparatus, Object. W. L. Dawson. 2,440,248, Apr. 27.
- Locating apparatus, Radio. P. E. Pollard. 2,457,396, Dec. 28.
- Locating device for producing stereoscopic images, Radio object. W. A. Ayres and E. C. Streeter, Jr. 2,449,542, Sept. 21.
- Locating tool. R. J. A. Beatty. 2,451,904, Oct. 19.
- Location system, Radio. E. M. Deloraine, E. Labin, and P. F. M. Gloess. 2,440,250, Apr. 27.
- Locator. S. Berman. 2,437,455, Mar. 9.
- Locator, Metal. W. E. Gilson. 2,442,805, June 8.
- Lock: See—
- Aircraft landing gear lock. Gun barrel lock.
- Automobile door and window lock. Handbag lock.
- Barrel lock. Hydraulic lock.
- Bobbin lock. Ignition lock.
- Brake pedal lock. Motor vehicle door lock.
- Casement window lock. Nut lock.
- Caster wheel lock. Repair lock.
- Chain lock. Safety door lock.
- Changeable key cylinder lock. Safety window lock.
- Closure lock. Sliding door lock.
- Coin controlled lock. Sliding gear lock.
- Combination lock. Tank cap lock.
- Container safety lock. Tool handle lock.
- Dial lock. Tube lock.
- Door-key lock. Unpickable lock.
- Door lock. Upper fifth wheel king pin lock.
- Electric combination lock. Vacuum tube lock.
- Electric switch lock. Window lock.
- Lock. L. M. Dyson. 2,457,650, Dec. 28.
- Lock. C. Ledin. 2,445,119, July 13.
- Lock. H. G. Voight and S. Oxhandler. 2,457,757, Dec. 28.
- Lock. A. Wartian. 2,445,285, July 13.
- Lock and bracket, Cord. F. J. Burns. 2,449,583, Sept. 21.
- Lock and key, Combined. J. Gagnon. 2,438,435, Mar. 23.
- Lock bolt operated door fastener. W. F. Banham. 2,446,735, Aug. 10.
- Lock core. F. E. Best. 2,440,432, Apr. 27.
- Lock construction. E. J. Heineman. 2,454,920, Nov. 30.
- Lock construction. L. J. Kalwo. 2,454,928, Nov. 30.
- Lock controlled switch. C. M. Whelan. 2,450,819, Oct. 5.
- Lock device. E. N. Jacobi. 2,437,299, Mar. 9.
- Lock device for compartment doors. E. N. Jacobi. 2,454,926, Nov. 30.
- Lock device for well tools. A. A. Baker. 2,450,822, Oct. 5.
- Lock, equalizing valve and closure seal, Coordinated. P. Pevney. 2,444,114, June 29.
- Lock for aircraft, Control surface. A. E. Farr. 2,439,206, Apr. 6.
- Lock for doors, windows, and the like, Automatic. E. E. Ueberuaga. 2,448,239, Aug. 31.
- Lock for fishing reels, Spool. H. I. Mandolf. 2,448,610, Sept. 7.
- Lock for guns, Trigger safety. C. E. Jacobs. 2,444,649, July 6.
- Lock for holding table legs. F. D. Chick. 2,444,632, July 6.
- Lock for locomotive throttle levers, Safety. H. J. Cantrell. 2,434,455, Jan. 13.
- Lock for parachute harness, Safety. B. J. Drozinski. 2,442,119, May 25.
- Lock joint panel construction. R. E. Davis and T. E. Weber. 2,446,323, Aug. 3.
- Lock keeper, Adjustable. J. A. Bohnsack. 2,439,036, Apr. 6.
- Lock nut. R. T. Hosking. 2,452,192, Oct. 26.
- Lock nut and making same. O. J. Poupitch. 2,454,444, Nov. 23.
- Lock plug receptacle. S. N. Buchanan and O. J. Breen. 2,441,393, May 11.
- Lock relay, Magnetic. G. L. Bush. 2,447,632, Aug. 24.
- Lock retainer for bearings. H. R. Greenlee. 2,443,501, June 15.
- Lock switch. T. Poliakov. 2,445,635, July 20.
- Lock-throw mechanism. F. E. Best. 2,440,430, Apr. 27.
- Lock tumbler. F. E. Best. 2,440,431, Apr. 27.
- Lock with rotating tumbler discs, Combination. V. J. M. Eras. 2,436,859, Mar. 2.
- Locker, Food. H. E. Wheeler and D. A. Forberg. 2,437,215, Mar. 2.
- Locker refrigerating system. W. M. Baird. 2,437,451, Mar. 9.
- Locket. G. E. Speicher. 2,450,620, Oct. 5.
- Locking and adjusting device. C. B. Kidney. 2,456,516, Dec. 14.
- Locking and resetting means for counters. M. M. Hennessy. 2,451,084, Oct. 12.
- Locking and unlatching mechanism for cylinder locks. G. E. Swanson. 2,444,542, July 6.
- Locking and unlatching mechanism, Safe and vault. M. Bretos y Claveria. 2,445,511, July 20.
- Locking and unlatching two-hand control, Safety. B. J. Yanchenko. 2,451,010, Oct. 12.
- Locking apparatus for elevator platforms. C. A. Dana. 2,437,999, Mar. 16.
- Locking apparatus, Unidirectional. S. S. Baker and R. F. Batchelar. 2,440,038, Apr. 20.
- Locking attachment for extension cords, Plug. R. O. Williams. 2,447,783, Aug. 24.
- Locking-bar motor-frame assembly. A. E. Goodwin and L. R. Ludwig. 2,447,645, Aug. 24.
- Locking chase structure, Adjustable form. H. J. Hilland. 2,449,381, Sept. 14.
- Locking clip. R. W. Pritchard, Jr. 2,457,272, Dec. 28.
- Locking containers on vehicles. R. A. Norbom. 2,436,972, Mar. 2.
- Locking device. W. G. Bauer. 2,441,864, May 18.

- Locking device. G. D. Haver. 2,440,012, Apr. 20.
 Locking device. F. D. Moyer. 2,453,154, Nov. 9.
 Locking device. R. S. Ward. 2,456,349, Dec. 14.
 Locking device for automobiles and the like, Theft-preventing. A. Lazarus. 2,453,236, Nov. 9.
 Locking device for gates. J. Jackle. 2,455,772, Dec. 7.
 Locking device for interfitting members. H. S. Charles. 2,445,020, July 13.
 Locking device for power operated typewriting machines. Key. A. B. Schuyler. 2,441,375, May 11.
 Locking device for rocking chairs. A. J. Belisle. 2,456,043, Dec. 14.
 Locking device for sucker rod couplings, Safety. C. E. Burton. 2,438,313, Mar. 23.
 Locking device for the sliding members of extensible frames. D. A. Eberhardt. 2,456,054, Dec. 14.
 Locking device for trailer hitches. A. C. Werner. 2,435,857, Feb. 10.
 Locking device for truck and trailer doors. W. A. Johnson and E. E. Moore. 2,452,521, Oct. 26.
 Locking means for adjustable back chairs. T. H. Van Buren. 2,453,879, Nov. 16.
 Locking means for clutch adjusting rings. M. L. Fast. 2,443,901, June 22.
 Locking means for dividers. W. L. Jameson and F. L. Rogers. 2,457,474, Dec. 28.
 Locking means for flexible chutes. R. E. Holmes. 2,449,849, Sept. 21.
 Locking means for floor armor. W. A. Bates and W. A. Bates, Jr. 2,443,589, June 22.
 Locking means for indicating instruments. V. E. Praft and G. F. Gray. 2,433,923, Jan. 6.
 Locking means for rotary actuating bars of door fasteners. G. E. Dath. 2,452,109, Oct. 26.
 Locking means, Screw. G. P. Lum. 2,457,697, Dec. 28.
 Locking mechanism. J. H. Roethel. 2,450,357, Sept. 28.
 Locking mechanism, Key. E. B. Johnson. 2,451,090, Oct. 12.
 Locking mechanism for automobiles, Auxiliary door. F. R. Hamer. 2,446,828, Aug. 10.
 Locking mechanism for type wheels of printing machines. F. Kosmer. 2,435,434, Feb. 3.
 Locking mechanism for well drilling rotaries. C. L. Mohnkern. 2,443,744, June 22.
 Locking member, Oxygen connection. J. L. Hight. 2,450,430, Oct. 5.
 Locking plate assembly and transmission. M. Falk. 2,442,763, June 8.
 Locking plate for clutch levers and the like. A. J. Higgins. 2,443,505, June 15.
 Locking spider for wall switches and the like. J. W. S. Wilder. 2,451,267, Oct. 12.
 Locking system for vehicle doors. R. Marple. 2,450,052, Sept. 28.
 Locking, threading insert. F. L. Lord. 2,443,466, June 15.
 Locks, System of. F. E. Best. 2,440,434, Apr. 27.
 Lockup one-way torsional force exerting device. O. H. Banker. 2,438,381, Mar. 23.
 Locomotive cab. J. L. Fagan. 2,442,236, May 25.
 Locomotive drive. W. A. Brecht. 2,454,131, Nov. 16.
 Locomotive eccentric crankpin bearing. T. V. Buckwalter. 2,439,284, Apr. 6.
 Locomotive reversing gearing apparatus. T. J. Putz. 2,447,136, Aug. 17.
 Locomotive throttle valve. A. O. Johnson. 2,443,860, June 22.
 Log, Air. E. P. Anderson. 2,441,381, May 11.
 Log barking drum. L. H. Lemke. 2,451,229, Oct. 12.
 Log debarking apparatus. W. F. Daniell. 2,436,555, Feb. 24.
 Log turning apparatus. M. L. Edwards, D. K. MacBain, and L. M. Johnson. 2,439,508, Apr. 13.
 Logging boreholes. A. Wolf. 2,450,265, Sept. 28.
 Logging cart. C. E. Alexander. 2,443,972, June 22.
 Logging device, Radioactivity. R. E. Hartline. 2,453,318, Nov. 9.
 Logging of well bores, Phase shift. M. E. Chun and J. C. Stick, Jr. 2,446,527, Aug. 10.
 Long-base strain or distance gauge. H. R. Thomas. 2,445,340, July 20.
 Loom: See—
 Hand-operated loom. Sectional weaving loom.
 Hand loom. Tape loom.
 Loom and method of weaving. S. Kaufman. 2,446,596, Aug. 10.
 Loom bumper. M. H. Holcombe. 2,455,418, Dec. 7.
 Loom controlling means, Electric. V. F. Sepavich and J. C. Manoog. 2,436,022, Feb. 17.
 Loom creel and adjusting means therefor, Portable. L. E. Bryant. 2,437,070, Mar. 2.
 Loom for weaving pile fabric. E. F. Clark. 2,437,379, Mar. 9.
 Loom harness. J. J. Kaufmann. 2,450,241, Sept. 28.
 Loom letoff mechanism. J. O. Foster and G. R. Clawson. 2,435,437, Feb. 3.
 Loom mechanism. H. A. Beckstrom. 2,434,344, Jan. 13.
 Loom protector rod actuating mechanism. W. Languirand. 2,436,754, Feb. 24.
 Loom stop motion. L. M. Rogers. 2,437,406, Mar. 9.
 Loom temple roll. E. B. Tift. 2,434,820, Jan. 20.
 Looms, Adjustable letoff for. W. H. Wakefield. 2,441,680, May 18.
 Loop antenna apparatus. W. J. Polydoroff. 2,438,680, Mar. 30.
 Loop forming and twisting means, Wire-end. E. M. Adams. 2,438,984, Apr. 6.
 Looping machine, Wire. E. H. Miller. 2,452,593, Nov. 2.
 Loop-taker mechanism for sewing machines. A. R. Wood. 2,446,150, July 27.
 Looper-actuating mechanisms for sewing machines. R. Becker. 2,439,332, Apr. 6.
 Loose end eliminator. W. D. Stegall, R. L. Bruton, and A. J. Bartson. 2,443,839, June 22.
 Loose-leaf binders, Follower for. C. H. Franz, Jr. 2,440,939, May 4.
 Loudspeaker diaphragm support. J. F. Marquis. 2,439,666, Apr. 13.
 Loud-speaker, Superimposed duplex. J. F. Marquis. 2,453,521, Nov. 9.
 Lounge chair. F. Kramer. 2,449,747, Sept. 21.
 Lounge chair. A. Roth. 2,454,408, Nov. 23.
 Louver means for controlling air flow in refrigerators. C. P. De Carlo, Sr. 2,453,703, Nov. 16.
 Louvers for storm windows, Ventilating. F. P. Chelton. 2,436,551, Feb. 24.
 Low direct current voltage regulating circuit. H. J. Lindenhovius. 2,452,381, Oct. 26.
 Low humidity meter. H. R. McCombie and C. D. Wilder. 2,444,613, July 6.
 Low-methoxyl pectinic acids from aluminum-pectin compositions, Production of. W. D. Maclay, A. D. Shepherd, R. M. McCready, and R. P. Graham. 2,457,577, Dec. 28.
 Low-pressure tire signal. H. G. Renner. 2,438,413, Mar. 23.
 Low-temperature polymer production. R. A. Gerlicher. 2,436,767, Feb. 24.
 Low-temperature test chamber. A. B. Newton. 2,437,332, Mar. 9.
 Low voltage direct-current inverter. D. M. Finch. 2,442,560, June 1.
 Lower polymer of glycidyl sorbate and making it. A. B. Boese, Jr. 2,457,300, Dec. 28.
 Lowering device for use as a fire escape, Safety. A. Lawson. 2,449,813, Sept. 21.
 Lube additives made by solvent refining high molecular weight aliphatic-aromatic condensation products. C. E. Hodges and A. F. Cashman. 2,454,452, Nov. 23.
 Lubricant. P. H. Carnell. 2,449,689, Sept. 21.
 Lubricant. E. Lieber and A. F. Cashman. 2,442,134, May 25.
 Lubricant. L. W. Mixon. 2,436,051, Feb. 17.
 Lubricant. A. J. Morway and J. C. Zimmer. 2,451,039, Oct. 12.
 Lubricant. J. M. Musselman and H. P. Lankelma. 2,444,947-8, July 13.
 Lubricant. H. D. Rhodes, G. F. Rouault, and C. N. White. 2,435,655, Feb. 10.
 Lubricant. T. G. Roehner and G. W. Murray. 2,441,720, May 18.
 Lubricant. J. C. Zimmer and G. W. Duncan. 2,447,607, Aug. 24.
 Lubricant and hydraulic fluid composition. H. L. Leland. 2,438,446, Mar. 23.
 Lubricant composition. A. T. Collins. Re. 22,985, Mar. 16.
 Lubricant compositions. D. W. Young and W. J. Sparks. 2,435,619, Feb. 10.
 Lubricant filtering and dispensing tank. F. B. Harvuot. 2,435,832, Feb. 10.
 Lubricant for drills and cutting tools. J. H. Maguire. 2,444,357, June 29.
 Lubricant preparation. J. M. Musselman. 2,439,821, Apr. 20.
 Lubricant purifying means, Crankshaft. E. L. Simpson. 2,440,812, May 4.
 Lubricant, Rust-inhibiting. W. R. Turner. 2,449,025, Sept. 7.
 Lubricant, Synthetic. O. M. Reiff, H. D. Hartough, and H. J. Andress, Jr. 2,443,082-3, June 8.
 Lubricant, Thickened. H. D. Hine. 2,446,927, Aug. 10.
 Lubricants. A. Beerbower and A. J. Morway. 2,434,539, Jan. 13.
 Lubricants. J. G. Ford and R. N. Wenzel. 2,456,496, Dec. 14.
 Lubricants. B. P. Robertson. 2,449,510, Sept. 14.
 Lubricants, Compound. J. M. Musselman. 2,439,820, Apr. 20.
 Lubricants for textile materials. A. Moscovitz. 2,454,822, Nov. 30.
 Lubricants, High-efficiency. J. M. Musselman. 2,439,819, Apr. 20.
 Lubricants, Selective adsorption of. H. W. F. Lorenz. 2,434,113, Jan. 6.
 Lubricated bearing. D. F. Wilcock. 2,449,574, Sept. 21.
 Lubricating apparatus. J. T. Leonard. 2,440,410, Apr. 27.
 Lubricating composition. C. L. Gebauer. 2,449,114, Sept. 14.
 Lubricating compositions. B. H. Lincoln and G. D. Byrkit. 2,448,037, Aug. 31.
 Lubricating compositions, L. A. Mikeska, A. R. Kittleson, and W. M. Smith. 2,453,850, Nov. 16.
 Lubricating compositions, Oxidation-inhibited. H. D. Kluge and J. A. Patterson. 2,452,320, Oct. 26.
 Lubricating compositions, Rust and oxidation inhibited. J. A. Patterson and H. D. Kluge. 2,452,319, Oct. 26.

- Lubricating device. F. J. Bogard. 2,457,770, Dec. 28.
 Lubricating device. F. A. Gill. 2,442,166, May 25.
 Lubricating device. H. L. Gwosky and P. Ketelsen. 2,456,270, Dec. 14.
 Lubricating device. G. L. Moore. 2,439,053, Apr. 6.
 Lubricating device for sewing machines. F. Parry. 2,456,591, Dec. 14.
 Lubrication device, Motor vehicle front wheel. P. D. Douglass. 2,457,537, Dec. 28.
 Lubricating device, Twister ring. D. K. Pope. 2,437,208, Mar. 2.
 Lubricating grease to shafts, Applying. R. McDaniel. 2,441,642, May 18.
 Lubricating internal-combustion engines. E. Moore. 2,438,816, Mar. 30.
 Lubricating means for sewing machine loop takers. F. Parry. 2,447,987, Aug. 24.
 Lubricating mechanism for sewing machine loop takers. W. C. Van Ness. 2,441,942, May 18.
 Lubricating oil addition agent. G. D. Byrkit. 2,449,547, Sept. 21.
 Lubricating oil composition. A. Farkas and A. F. Stribley, Jr. 2,456,692, Dec. 21.
 Lubricating oil composition. E. Lieber and E. P. Cashman. 2,454,394, Nov. 23.
 Lubricating oils, Regenerating spent internal-combustion engine. A. Schaafsma. 2,446,489, Aug. 3.
 Lubricating oils, Steam turbine. R. G. Mastin. 2,454,075, Nov. 16.
 Lubricating pump. F. J. Rode and M. R. Hatch. 2,435,468, Feb. 3.
 Lubricating system, Engine. J. F. Strickler, Jr., and S. K. Edelson. 2,453,602, Nov. 9.
 Lubricating system for adjustable multiple spindle drill head. R. B. Aiman. 2,452,709, Nov. 2.
 Lubricating system for engines. C. C. Spangenberg. 2,443,875, June 22.
 Lubricating system for internal combustion engines. R. J. Hostetter. 2,436,513, Feb. 24.
 Lubricating system for internal-combustion engines. C. H. Wiegman. 2,440,883, May 4.
 Lubricating system for vehicles. H. Winther. 2,455,847, Dec. 7.
 Lubrication. E. H. Kocher. 2,447,509, Aug. 24.
 Lubrication. J. V. Tercho. 2,439,954, Apr. 20.
 Lubrication adapter. F. C. Poyner. 2,438,128, Mar. 23.
 Lubrication apparatus for twister rings. F. L. Thomason. 2,447,548, Aug. 24.
 Lubrication failure detector switch. W. J. Kasperek. 2,452,379, Oct. 26.
 Lubrication for radial drills, Column. W. G. Hoelscher. 2,441,764, May 18.
 Lubrication of high-speed shafts or spindles. C. C. S. Le Clair. 2,445,227, July 13.
 Lubrication, Outboard motor. L. T. Kincannon. 2,440,338, Apr. 27.
 Lubricator: See—
 Bearing lubricator. Railway journal lubricator.
 Mechanical lubricator.
 Rail lubricator.
 Lubricator. A. Feucht. 2,438,969, Apr. 6.
 Lubricator. F. B. Harvuot. 2,451,387, Oct. 12.
 Lubricator. R. H. Stiles. 2,454,354, Nov. 23.
 Lubricator distributor. J. J. Hennessy. 2,449,894, Sept. 21.
 Lubricator head construction. L. R. Heim. 2,454,252, Nov. 16.
 Lug box lifter. P. Weaver. 2,454,110, Nov. 16.
 Lug rim, Attachable traction. C. C. Fulton. 2,451,937, Oct. 19.
 Lug, Soldering. C. G. Anderson. 2,442,158, May 25.
 Luggage carrier and protector. C. E. Meyerdick. 2,454,608, Nov. 23.
 Luggage, Reinforced. M. Gerson. 2,455,861, Dec. 7.
 Lumber reclaimed machine. M. R. Chidake. 2,446,741, Aug. 10.
 Lumber, Spliced. H. C. Graham. 2,439,655, Apr. 13.
 Luminaire. A. De Bishop, Jr. 2,436,635, Feb. 24.
 Luminaire. W. G. Darley. 2,439,885, Apr. 20.
 Luminescent material. H. C. Froelich. 2,443,728, June 22.
 Luminescent materials for electric discharge devices. H. W. Leverenz. 2,457,054, Dec. 21.
 Luminescent screen. H. W. Leverenz. 2,452,523, Oct. 26.
 Luminescent screen. F. H. Nicoll. 2,439,181, Apr. 6.
 Luminescent screen, Forming a. S. Tidik and A. Steadman. 2,451,590, Oct. 19.
 Luminescent tube system and apparatus. J. H. Bridges. 2,436,951, Mar. 2.
 Lunch box. A. R. Histan. 2,457,043, Dec. 21.
 Lure, Fishing. E. H. Parnell, Sr. 2,450,253, Sept. 28.
 Lysozyme from its naturally occurring mixtures with other biologic components, Isolating. G. Alderton and H. L. Fevold. 2,442,452, June 1.
 Macaroni products, Preparation of. R. Samson. 2,450,525, Oct. 5.
 Machine and method for forming fiber webs. F. M. Buresh. 2,451,915, Oct. 19.
 Machine construction. D. Sulprizio. 2,452,804, Nov. 2.
 Machine core surface treatment, Dynamoelectric. R. T. Reardon. 2,453,539, Nov. 9.
 Machine for and banding boxes. W. E. Grupe. 2,456,059, Dec. 14.
 Machine for and method of cutting blooms and the like. R. J. Scovill, Jr. 2,455,615, Dec. 7.
 Machine for applying closures and sealing jars. G. Glocker. 2,440,085, Apr. 20.
 Machine for applying fasteners to web material. C. H. Lofgreen. 2,456,433, Dec. 14.
 Machine for applying plastic material. C. F. Hammann. 2,452,565, Nov. 2.
 Machine for applying pressure to shoe bottoms. G. H. Collins. 2,445,420, July 20.
 Machine for applying tape to shoe parts. H. D. Elliott. 2,455,359, Dec. 7.
 Machine for assorting eggs according to weight. J. A. Hill. 2,442,689, June 1.
 Machine for arc welding with continuous electrodes. R. Sarazin. 2,445,863, July 27.
 Machine for beating rugs, carpets, or the like. E. R. Witt. 2,442,524, June 1.
 Machine for bending and shaping rolled irons and the like. E. Bugatti. 2,454,429, Nov. 23.
 Machine for bending articles. S. E. Keagle. 2,441,275, May 11.
 Machine for bending edges of sheet metal plates. R. Wieland. 2,434,028, Jan. 6.
 Machine for bending flexible sheet material. M. M. and H. M. Balsam. 2,441,180, May 11.
 Machine for blast cleaning with grit such articles as castings. E. F. Fisher. 2,443,819, June 22.
 Machine for brushing and cleaning plates. W. C. Johnson. 2,439,805, Apr. 6.
 Machine for cementing shoe soles. W. Griffith. 2,442,167, May 25.
 Machine for cleaning and separating flax or other fibrous plants. T. G. McLaurin and R. Duncan. 2,446,055, July 27.
 Machine for cleaning dust mops and dust cloths. C. Turnpseed. 2,434,022, Jan. 6.
 Machine for closing tube ends. W. L. Enghausen. 2,434,737, Jan. 20.
 Machine for continuous pressing operations, Rotary pressing. A. Newhouse. 2,452,483, Oct. 26.
 Machine for conveying and assorting fruit according to weight. E. A. White. 2,442,521, June 1.
 Machine for cutting handholes. A. C. Coker. 2,454,861, Nov. 30.
 Machine for cutting holes in pipes and similar articles. H. Hatten. 2,437,025, Mar. 2.
 Machine for cutting men's heels. E. B. Cintron. 2,448,354, Aug. 31.
 Machine for cutting potatoes including a stationary cutter and reciprocating plunger. W. A. Hetzler. 2,437,818, Mar. 16.
 Machine for dicing food products. P. F. Quinn and H. J. Qualheim. 2,442,210, May 25.
 Machine for distributing fruit in rows on drying trays. N. E. Gaddini. 2,437,950, Mar. 16.
 Machine for drilling capstan head screws. W. B. Burke. 2,456,245, Dec. 14.
 Machine for drying and finishing dry-cleaned garments. W. F. Gayring. 2,443,069, June 8.
 Machine for electric welding of dial feet onto dial plates. J. and H. Schneider. 2,434,814, Jan. 20.
 Machine for feeding, bending, and flattening tubing, Combined. J. R. Hayward, J. A. Schild, and W. O. Hartup. 2,452,050, Oct. 26.
 Machine for flanging glass blanks. C. Eisler. 2,446,000, July 27.
 Machine for flaring or deforming ends of tubes. J. L. Vail. 2,442,224, May 25.
 Machine for folding sheets of thermoplastic and like material. M. M. and H. M. Balsam. 2,451,794, Oct. 19.
 Machine for forming and applying clips to wire members. E. Tanguay, C. Kertesz, and W. Krakauer. 2,449,865, Sept. 21.
 Machine for forming articles from a liquid slurry. J. D. Lyall. 2,450,900, Oct. 12.
 Machine for forming artificial board. C. Roman. 2,441,169, May 11.
 Machine for forming bottoms on glass tubes. C. Eisler. 2,447,568, Aug. 24.
 Machine for forming containers from flexible material. P. C. Elliott. 2,453,836, Nov. 16.
 Machine for forming curved surfaces. E. O. Garnett. 2,437,596, Mar. 9.
 Machine for forming louvered fins for radiator cores. P. R. Daniel. 2,443,377, June 15.
 Machine for forming materials. G. D. Rechton, D. J. Ward, and J. H. Watson. 2,444,787, July 6.
 Machine for forming rings from a flexible strip. M. M. and H. M. Balsam. 2,443,715, June 22.
 Machine for forming tubes. L. H. Messinger. 2,442,856, June 8.
 Machine for gauging and assorting cartridges according to height of primers. R. M. Flanagan. 2,451,615, Oct. 19.
 Machine for grinding bevel gears. M. J. Suiere. 2,442,734, June 1.
 Machine for grinding internal surfaces of workpieces. O. E. Frunk. 2,442,595, June 1.
 Machine for grinding tooth flanks by means of profile generating discs. A. Aepli. 2,438,138, Mar. 23.
 Machine for grinding toothed gear wheels and analogous bodies. A. C. Wickman. 2,443,410, June 15.

- Machine for grinding toothed gear wheels and the like. A. C. Wickman. 2,449,354, Sept. 14.
- Machine for handling and feeding washers. H. C. Paulsen. 2,434,885, Jan. 20.
- Machine for handling and preparing oysters. Z. G. Hawk. 2,455,675, Dec. 7.
- Machine for impacting pigments against a rotating disk element. H. R. Raffton. 2,448,049, Aug. 31.
- Machine for lapping wire drawing dies. P. Bieberich. 2,441,004, May 4.
- Machine for lasting shoes. J. P. Fredericksen. 2,447,062, Aug. 17.
- Machine for machining arcuate surfaces. E. Barker. 2,456,041, Dec. 14.
- Machine for making beaded cups, Automatic. W. J. Gregory. 2,446,649, Aug. 10.
- Machine for making belts and straps. M. M. and H. M. Balsam. 2,439,280, Apr. 6.
- Machine for making box blanks. C. D. Knowlton and G. F. C. Burke. 2,444,050, June 29.
- Machine for making can bodies. F. W. Anderson. 2,444,277, June 29.
- Machine for making can bodies from flattened tubing. I. D. Thornburgh. 2,436,409, Feb. 24.
- Machine for making containers. C. B. Tennent, Sr. 2,448,198, Aug. 31.
- Machine for making containers from pulpy fibrous material. H. R. Denton. 2,447,235, Aug. 17.
- Machine for making continuous rods. D. W. Molins. 2,444,306, June 29.
- Machine for making crisp bread. A. B. Svensson. 2,439,993, Apr. 20.
- Machine for making crisp bread. A. B. Svensson. 2,441,731, May 18.
- Machine for making paper cups. L. M. Harvey. 2,435,308, Feb. 3.
- Machine for making protective sleeves. R. Y. Whittemore. 2,448,940, Sept. 7.
- Machine for making sheets of extruded plastics. N. T. Tornberg. 2,433,937, Jan. 6.
- Machine for making terminals and the like. A. W. Hoernle. 2,434,159, Jan. 6.
- Machine for making wire straps. J. Sholtis, Jr., and H. K. Embree. 2,439,272, Apr. 6.
- Machine for making wirebound boxes. G. P. Woodbury. 2,452,887, Nov. 2.
- Machine for manufacturing cement tile. E. P. Barber. 2,447,153, Aug. 17.
- Machine for manufacturing hair slides, hair pins or the like. W. M. Welsford. 2,449,263, Sept. 14.
- Machine for marking letters and the like. A. Ielfield. 2,443,791, June 22.
- Machine for mechanically working materials. A. H. Rosenthal. 2,452,211, Oct. 26.
- Machine for mine shafts, Mucking. W. E. Kindsvater. 2,452,763, Nov. 2.
- Machine for molding concrete slabs. J. Novello. 2,436,176, Feb. 17.
- Machine for molding concrete units. A. E. Ruegg. 2,437,003, Mar. 2.
- Machine for operating on heddles. R. P. Drake. 2,457,649, Dec. 28.
- Machine for operating on shoes. G. Clarke. 2,449,589, Sept. 21.
- Machine for operating on shoes. B. Jorgensen. 2,437,696, Mar. 16.
- Machine for picking cotton. J. H., J. C., and L. H. Hamner. 2,438,393, Mar. 23.
- Machine for pressing soles on shoes. S. J. Flinn. 2,445,848, July 27.
- Machine for producing a vent in cartridge cases. G. Ekström and G. Örström. 2,452,639, Nov. 2.
- Machine for producing asbestos-cement pipes. J. Ferla. 2,434,690, Jan. 20.
- Machine for producing cathode sleeves for thermionic valves. A. F. Pitzy, H. Butterfield, and S. W. Warner. 2,449,505, Sept. 14.
- Machine for producing knitted fabric. A. Shortland. 2,442,442, June 1.
- Machine for producing predetermined and uniform dimensioned wood shavings. J. H. Hassler and L. C. Englert. 2,442,492, June 1.
- Machine for producing screwthreads. A. Green. 2,456,407, Dec. 14.
- Machine for reenforcing and punching sheets. H. G. Kendall. 2,441,821, May 18.
- Machine for removing putty. A. W. Williams. 2,452,818, Nov. 2.
- Machine for removing the end of elongated food articles. W. E. Urschel. 2,435,762, Feb. 10.
- Machine for removing the wax caps from honeycombs. W. T. Brand. 2,457,301, Dec. 28.
- Machine for setting up box blanks. H. W. Gregoire. 2,437,157, Mar. 2.
- Machine for severing and driving corrugated fasteners. A. E. Cranston, Jr. 2,448,801, Sept. 7.
- Machine for shearing green corn from the cob, including an annular rotary cutter. F. C. Thames. 2,455,449, Dec. 7.
- Machine for slicing cheese or the like in various shapes and sizes. A. F. Buroff. 2,439,840, Apr. 20.
- Machine for sorting cards perforated in alphabetical code. E. A. Ford. 2,448,788, Sept. 7.
- Machine for stacking hay or straw. E. V. Gounlock. 2,445,111, July 13.
- Machine for stranding wires. A. J. Prosser and E. A. Smith. 2,440,185, Apr. 20.
- Machine for stripping covered cables. H. A. Burdwood. 2,434,640, Jan. 20.
- Machine for stripping hops from vines. E. Thys. 2,448,063, Aug. 31.
- Machine for testing and marking parts magnetically. A. J. Newman. 2,455,874, Dec. 7.
- Machine for testing clutch and brake assemblies. R. G. Starling. 2,449,091, Sept. 14.
- Machine for testing materials constrained to alternate flexure. R. L'Hermite. 2,453,023, Nov. 2.
- Machine for the automatic cooling and heating of baby bottles and food. J. M. Bruning. 2,449,874, Sept. 21.
- Machine for the manufacture of metal grains. R. Morane and R. Martinet. 2,456,439, Dec. 14.
- Machine for thermoplastically treating materials. M. H. Sidebotham. 2,452,959, Nov. 2.
- Machine for tightening caps on containers. J. Hohle. 2,445,270, July 13.
- Machine for transferring a design to a cloth material. J. S. Jahn. 2,446,010, July 27.
- Machine for treating hides, skins, and leather. C. D. Knowlton and D. Edgar. 2,449,128, Sept. 14.
- Machine for trimming primer cups and the like. H. P. Eck, M. M. Karlan, and C. P. P. P. 2,440,080, Apr. 21.
- Machine for turning and binding the edges of leather. L. J. Noecker. 2,440,113, Apr. 20.
- Machine for turning the platform covers of platform shoes. R. H. Lawson. 2,448,101, Aug. 31.
- Machine for twisting wire for use in brick cutting. E. H. Kunkle and L. B. Brown. 2,443,564, June 15.
- Machine for typing in the braille and abreu systems, Electric. J. de la Fuente Tejedo. 2,454,637, Nov. 23.
- Machine for use in attaching soles to shoes. H. Gulbrandson. 2,435,582, Feb. 10.
- Machinery for vacuum tube manufacture. W. R. Moscrip. 2,447,522, Aug. 24.
- Machine for weighing and packing mixed nuts or the like. S. Christensen. 2,451,534, Oct. 19.
- Machine for winding bobbins. B. Marcellus. 2,439,519, Apr. 13.
- Machine gun. G. A. Chadwick and P. W. Burk. 2,453,830, Nov. 16.
- Machine guns in airplanes. Mounting. P. H. Kemmer, C. E. Reichert, and C. S. Butt, Jr. 2,454,806, Nov. 30.
- Machine of the opposed needle bed type. Knitting. F. E. Deans and C. H. Wainwright. 2,441,755, May 18.
- Machine mount, Dynamoelectric. W. J. Elks. 2,450,422, Oct. 5.
- Machine mounted hood device for protecting attendants from dust. G. Fairbanks. 2,436,508, Feb. 24.
- Machine roll, Compressed laminated. P. R. Heygel. 2,452,755, Nov. 2.
- Machine tool. R. D. Bennett. 2,442,635, June 1.
- Machine tool. F. H. Bogart. 2,440,926, May 4.
- Machine tool. N. P. Darash. 2,445,386, July 20.
- Machine tool. C. T. Dare. 2,442,868, June 8.
- Machine tool. R. M. Gamble. 2,454,916, Nov. 30.
- Machine tool. F. A. Hurd. 2,450,964, Oct. 12.
- Machine tool. S. P. F. Ogren. 2,435,321, Feb. 3.
- Machine tool. L. Krasnow. 2,441,158, May 11.
- Machine tool. F. E. Munschauer. 2,439,368, Apr. 6.
- Machine tool. F. E. Munschauer. 2,444,664, July 6.
- Machine tool. L. F. Polk and W. F. Aller. 2,436,527, Feb. 24.
- Machine tool. W. W. Potter and A. J. Fuller. 2,455,876, Dec. 7.
- Machine tool. T. Trecker and J. B. Armitage. 2,434,751, Jan. 20.
- Machine tool. T. Trecker, J. B. Armitage, O. W. Barker, K. A. Riedel, and F. D. Boehmer. 2,434,750, Jan. 20.
- Machine tool. F. Turrettini. 2,441,046, May 4.
- Machine-tool apparatus. S. F. Varian. 2,433,874, Jan. 6.
- Machine tool control. F. A. Barnes. 2,436,373, Feb. 24.
- Machine tool control. A. J. Hornfeck. 2,437,603, Mar. 9.
- Machine tool shaper attachment. J. R. Tackett and V. G. Evans. 2,454,490, Nov. 23.
- Machine tools, Automatic control means for. L. B. Huthsing. 2,444,228, June 29.
- Machine used in laundries for washing or drying articles. S. Newbery. 2,451,403, Oct. 12.
- Machine with conveyors providing plural treated material paths, Dehydrating. B. C. Mathews. 2,435,455, Feb. 3.
- Machine with resilient work holding clamp. C. D. Knowlton. 2,452,663, Nov. 2.
- Machines for cutting and polishing nonspherical or conical surfaces by means of abrasive band tools. S. and M. Clavé. 2,453,972, Nov. 16.
- Magazine and feed means for stapling machines. A. H. Maynard. 2,445,180, July 13.
- Magazine and projector, Endless film. J. A. Links. 2,443,708, June 22.
- Magazine for safety razor blades. J. Muros. 2,446,715, Aug. 10.
- Magazine. Gun ammunition. E. J. Ray. 2,447,092, Aug. 17.
- Magazine pencil of the push-button type. F. Collura. 2,452,907, Nov. 2.
- Magazine razor blade holder. A. A. Rouse. 2,437,862, Mar. 16.

- Magazine spinning gun for the production of filaments and fabrics. F. W. Manning. 2,437,264, Mar. 9.
- Magazine-type heater. J. G. Gilmore. 2,442,124, May 25.
- Magazine type camera. R. A. Suthann. 2,449,626, Sept. 21.
- Magazine with release mechanism, Bomb rack. J. C. Cantley. 2,450,540, Oct. 5.
- Magnesia rock, and purification of magnesium carbonate, Working up of. R. A. Schoenlaub. 2,455,813, Dec. 7.
- Magnesium alloys, Anodizing. H. K. De Long. 2,456,931, Dec. 21.
- Magnesium base lithium alloys. A. C. Loonam. 2,453,444, Nov. 9.
- Magnesium chloride, Manufacture of. E. E. Wrege and W. A. Cunningham. 2,442,525, June 1.
- Magnesium compounds, Production of. E. B. Baker. 2,442,481, June 1.
- Magnesium compounds, Production of. G. H. Gloss and E. B. Baker. 2,449,293, Sept. 14.
- Magnesium fluoride for use as lens coating, Purification of. F. C. Mathers and P. S. Visser. 2,441,668, May 18.
- Magnesium from magnesia-containing materials, Recovering. R. Reik. 2,450,057, Sept. 28.
- Magnesium hydrate to produce magnesia, Treating artificial. R. P. Heuer. 2,447,412, Aug. 17.
- Magnesium ore briquettes, Producing. J. P. Dick. 2,435,495, Feb. 3.
- Magnesium oxide-containing material for reduction purposes, Preparing. N. R. Collins, W. W. Mower, and H. Church. 2,433,891, Jan. 6.
- Magnesium oxide, Making dense. A. D. Dahl. 2,454,733, Nov. 23.
- Magnesium powder by cold rolling and grinding, Producing. H. P. Anderson. 2,448,243, Aug. 31.
- Magnesium production. F. J. Hansgirk. 2,437,815, Mar. 16.
- Magnesium silicate adsorbents, Preparation of. W. A. La Lande, Jr. 2,434,418, Jan. 13.
- Magnesium-zirconium alloys, Process and composition for producing. E. F. Emley. 2,452,914, Nov. 2.
- Magnesium-zirconium alloys, Producing. C. J. P. Ball, A. C. Jessup, E. F. Emley, and J. B. Wilson. 2,452,894, Nov. 2.
- Magnet. R. L. Manegold. 2,451,231, Oct. 12.
- Magnet core. J. L. Snoek. 2,452,529, Oct. 26.
- Magnet electrodynamic transducer, Permanent. W. E. Gilman. 2,440,439, Apr. 27.
- Magnetic alloy. J. K. Stanley. 2,442,219, May 25.
- Magnetic analysis. T. Zuschlag. 2,441,380, May 11.
- Magnetic block. M. O. Teetor. 2,448,692, Sept. 7.
- Magnetic chuck and loading device therefor. P. B. Zeigler. 2,446,973, Aug. 10.
- Magnetic clutch. J. E. Allen. 2,453,957, Nov. 16.
- Magnetic compass indicating system for aviation trainers. K. A. Kail. 2,445,673, July 20.
- Magnetic concentrate washing means for submerged belt magnetic separators. R. E. Crockett. 2,446,813, Aug. 10.
- Magnetic control device. L. L. Cunningham. 2,435,425, Feb. 3.
- Magnetic core. G. Camilli. 2,446,999, Aug. 17.
- Magnetic core. J. L. Snoek. 2,452,530, Oct. 26.
- Magnetic coupling. W. D. Williams. 2,444,797, July 6.
- Magnetic coupling. A. R. Wood. 2,437,871, Mar. 16.
- Magnet device, Floor sweeping. R. H. Stearns. 2,455,319, Nov. 30.
- Magnetic field gauge. M. L. Mages and G. W. Coon. 2,447,911, Aug. 24.
- Magnetic field gradient measurement. C. H. Fay. 2,436,039, Feb. 17.
- Magnetic field indicating means. E. L. Holmes. 2,435,276, Feb. 3.
- Magnetic field measuring device. R. E. Burroughs. 2,437,374, Mar. 9.
- Magnetic filter plug. H. Seltzer. 2,435,517, Feb. 3.
- Magnetic frequency changer. H. M. Huges. 2,437,093, Mar. 2.
- Magnetic frequency changer. H. J. McCreary. 2,445,857, July 27.
- Magnetic hone and lap. M. R. Karge. 2,443,733, June 22.
- Magnetic inspection apparatus. R. L. Fitch. 2,446,873, Aug. 10.
- Magnetic inspection apparatus. T. De Forest. 2,436,918, Mar. 2.
- Magnetic material. A. L. W. Williams and S. J. Begun. 2,443,756, June 22.
- Magnetic material and magnetic core, Manufacturing. J. L. Snoek. 2,452,531, Oct. 26.
- Magnetic materials. E. A. Nesbitt. 2,441,588, May 18.
- Magnetic materials. E. A. Nesbitt. 2,443,636, June 22.
- Magnetic materials according to their residual magnetism, Method and apparatus for sorting. K. L. Scott. 2,444,751, July 6.
- Magnetic quality of anisotropic permanent magnets containing iron, nickel, cobalt, and aluminum, Improving the. W. C. Ellis and L. Ferguson. 2,442,762, June 8.
- Magnetic recording apparatus. W. H. Wade. 2,441,679, May 18.
- Magnetic refrigerator door closure and seal. V. E. Mark and L. L. Anderson. 2,446,336, Aug. 3.
- Magnetic retaining means for can lids and the like. J. Webb. 2,437,234, Mar. 2.
- Magnetic separator. W. L. Bower. 2,452,220, Oct. 26.
- Magnetic sweep generator. J. D. Kraus and C. A. Mizen. 2,446,837, Aug. 10.
- Magnetic testing apparatus and method. C. M. Summers. 2,440,984, May 4.
- Magnetic testing means. B. A. Andrews. 2,442,393, June 1.
- Magnetic testing, Method and apparatus for. C. Farrow. 2,434,203, Jan. 6.
- Magnetic transducing and erasing heads, Combination of. M. Camras. 2,456,767, Dec. 21.
- Magnetizing-inrush tripping suppressor. W. K. Sonnenmann and M. A. Bostwick. 2,454,595, Jan. 13.
- Magneto and alternator, Combined. K. A. Harmon. 2,446,761, Aug. 10.
- Magneto, Breakerless. E. F. Wargin and J. R. Harkness. 2,446,446, Aug. 3.
- Magneto, Flywheel. A. I. Alstrom and A. L. Brownlee. 2,447,727, Aug. 24.
- Magneto, Ignition. H. T. Heal. 2,453,910, Nov. 16.
- Magneto testing and indicating apparatus. B. J. Haskins. 2,442,649, June 1.
- Magnetometer. C. H. Fay. 2,447,849, Aug. 24.
- Magnetometer. J. H. Rubenstein. 2,442,732, June 1.
- Magnetometer. J. D. Seaver. 2,447,880, Aug. 24.
- Magnetometer, Induction. A. Frosch. 2,451,819, Oct. 19.
- Magnetometer, Precision. L. I. Mendelsohn. 2,438,372, Mar. 23.
- Magnetostrictive device. R. L. Peek, Jr. 2,444,061, June 29.
- Magnetostrictive pickup unit. K. R. Eldredge, A. Hundere, and J. H. Macpherson, Jr. 2,445,318, July 20.
- Magnetostrictive submarine signal transmitter or receiver. H. K. Krantz. 2,438,925, Apr. 6.
- Magnetostrictive supersonic transducer. E. E. Mott. 2,438,926, Apr. 6.
- Magnetostrictive vibrator unit. W. E. Gilman. 2,433,898, Jan. 6.
- Magnetron. R. P. Blewett. 2,444,242, June 29.
- Magnetron. R. J. Bondley. 2,444,419, July 6.
- Magnetron. E. D. McArthur. 2,446,828, Aug. 10.
- Magnetron. E. C. Okress. 2,456,888, Dec. 21.
- Magnetron. R. C. Schmidt. 2,455,952, Dec. 14.
- Magnetron. H. L. Steele, Jr., and J. W. McNall. 2,438,194, Mar. 23.
- Magnetron. J. W. Teeley. 2,452,272, Oct. 26.
- Magnetron and strapping arrangements therefor, Cavity resonator. J. S. Donal, Jr., B. B. Brown, and C. L. Cuccia. 2,443,445, June 15.
- Magnetron device, Cavity resonator. J. M. Spooner. 2,435,804, Feb. 10.
- Magnetron filament temperature regulator. K. D. Jenkins. 2,443,189, June 15.
- Magnetron oscillator of the resonant cavity type. C. G. Smith. 2,439,401, Apr. 13.
- Magnetron, Tunable. S. Sonkin. 2,450,619, Oct. 5.
- Magnetron, Tunable. P. L. Spencer. 2,435,984, Feb. 17.
- Magnifier and telephone dialing implement, Combined. M. E. Savio. 2,453,272, Nov. 9.
- Magnifying lens and punch or the like, Combination. H. L. Bowditch. 2,455,972, Dec. 14.
- Mailbox. S. M. Addington. 2,433,880, Jan. 6.
- Mail box. G. Ernst. 2,438,043, Mar. 16.
- Mailbox. R. Malloy. 2,448,225, Aug. 31.
- Mailbox. A. J. Shauks. 2,444,679, July 6.
- Mailbox. C. F. Swanson. 2,437,053, Mar. 2.
- Mail box and house number, Illuminated. A. J. Lambert. 2,452,667, Nov. 2.
- Mailbox and illuminated sign, Combined. E. Zacharias. 2,448,945, Sept. 7.
- Mailbox bracket. E. E. DeHaas. 2,440,576, Apr. 27.
- Mailbox signal. H. M. Weaver. 2,433,940, Jan. 6.
- Main spring tension indicator for watches and similar mechanisms. C. U. Frennesen. 2,443,558, June 15.
- Maleic acid to fumaric acid, Conversion of. A. P. Dunlop. 2,441,238, May 11.
- Maleic acid to fumaric acid, Isomerization of. L. H. Howland and W. F. Brucksch, Jr. 2,454,387, Nov. 23.
- Malleable cast iron. H. A. Eckman and H. W. Maack. 2,450,395, Sept. 28.
- Mallet for preparing meat. J. C. Burkett. 2,445,872, July 27.
- Mandrel. J. J. Parker and L. T. Morawski. 2,445,184, July 13.
- Mandrel for and method of making pipe bends. J. H. Taylor. 2,441,299, May 11.
- Mandrel, Internal. H. C. Myers. 2,453,531, Nov. 9.
- Mandrel, Tube-bending. R. F. Attridge. 2,444,907, July 13.
- Manganous sulfate, Making. C. C. Daugherty. 2,450,870, Oct. 12.
- Manicure apparatus. N. C. Rebo. 2,456,022, Dec. 14.
- Manifold heat valve control. M. C. Brown. 2,437,724, Mar. 16.
- Manifold tube coupling. A. L. Parker. 2,438,679, Mar. 30.
- Manifolding device. D. G. Dalby. 2,457,448, Dec. 28.
- Manifolds for engines, Making. H. Caminez. 2,438,145, Mar. 23.
- Manipulator. I. B. Bensen. 2,440,067, Apr. 20.
- Mannequin limb. J. R. Dusko. 2,451,023, Oct. 12.
- Manometer. R. A. Osten. 2,438,228, Mar. 23.
- Manometer. L. B. Winton. 2,451,460, Oct. 19.
- Manometer. C. M. Wolfe. 2,445,200, July 13.
- Manostat. J. P. Bader. 2,436,350, Feb. 17.

- Manual reset valve. E. Paille. 2,456,078, Dec. 14.
 Manually operated sheet metal hanging tool. H. L. Farnstrom. 2,434,401, Jan. 13.
 Manufacture of alkali metal alcoholates. G. L. Cunningham and R. S. Robinson. 2,438,963, Apr. 6.
 Manufacture of amidines. W. F. Short and M. W. Partridge. 2,449,724, Sept. 21.
 Manufacture of anhydrous aliphatic acids from aqueous solutions thereof. H. M. Guinot and P. Chassaing. 2,437,519, Mar. 9.
 Manufacture of ascorbic acid. H. H. Mottern and R. E. Buck. 2,443,583, June 15.
 Manufacture of bimetallic articles. M. G. Whitfield. 2,435,991, Feb. 17.
 Manufacture of cardboard boxes. H. P. McGovern. 2,438,509, Mar. 30.
 Manufacture of catalysts. E. R. Kanhofer. 2,438,560, Mar. 30.
 Manufacture of ceramic materials of high permittivity. E. C. Martin. 2,438,761, Mar. 30.
 Manufacture of colloidal sulphur. F. F. Schwartz. 2,439,147, Apr. 6.
 Manufacture of composite metal articles. R. K. Hopkins. 2,437,782, Mar. 16.
 Manufacture of composite steel plates. B. Liebowitz. 2,438,759, Mar. 30.
 Manufacture of crystalline anhydrous alkali metal orthosilicate. B. K. Beecher. 2,443,128, June 8.
 Manufacture of detergents. L. F. Hoyt. 2,438,169, Mar. 23.
 Manufacture of essence containing packages for brewing beverages. H. O. Irmischer. 2,447,014, Aug. 17.
 Manufacture of flaked cereal-soya product. C. E. Luke. 2,436,519, Feb. 24.
 Manufacture of fought articles. J. M. Patterson. 2,440,698, May 4.
 Manufacture of gasoline. L. P. Scoville. 2,442,440, June 1.
 Manufacture of infusion and injection fluids. A. J. T. Grönwall and B. G.-A. Ingelman. 2,437,518, Mar. 9.
 Manufacture of new coloring matters. E. F. Goodings and M. A. T. Rogers. 2,437,465, Mar. 9.
 Manufacture of phenols. C. A. Cross. 2,438,694, Mar. 30.
 Manufacture of polypentaerythritols. J. P. Remensnyder, P. I. Bowman, and R. H. Barth. 2,441,597, May 18.
 Manufacture of seamless hollow articles from natural or synthetic rubber. C. Saint-Mieux. 2,441,905, May 18.
 Manufacture of sponge rubber. M. Carter. 2,445,732, July 20.
 Manufacture of strain-insensitive steel. H. M. Banta. 2,438,798, Mar. 30.
 Manufacture of sutures. T. R. Selby and L. L. Campbell. 2,438,151, Mar. 23.
 Manufacture of water-insoluble salts of alkyl dithiocarbamic acids. D. M. Gallagher and L. A. Gillette. 2,443,160, June 8.
 Manufacture of water-insoluble salts of substituted dithiocarbamic acids. L. A. Gillette. 2,443,161, June 8.
 Manufacturing optical elements. H. Rinia. 2,437,860, Mar. 16.
 Map, Global. I. Fisher. 2,436,860, Mar. 2.
 Marble game. F. H. King. 2,455,012, Nov. 30.
 Margarine oil production. A. D. Abbott. 2,442,538, June 1.
 Margin justifying device for typewriters. O. O. Martin. 2,454,470, Nov. 23.
 Marginal portions of shoes. Machine for securing together. H. E. Reasor. 2,446,343, Aug. 3.
 Marine reversing gear. O. H. Banker. 2,456,614, Dec. 21.
 Marine sea chest sand separator. B. R. Wright. 2,450,070, Sept. 28.
 Marker and flower holder, Combined grave. B. D. Cohn. 2,436,631, Feb. 24.
 Marker and station selection apparatus, Timing. E. Schoenfeld. 2,450,360, Sept. 28.
 Marker, Cattle. W. F. Schacht. 2,440,023, Apr. 20.
 Marker, Dress pattern. C. Schaffner. 2,448,627, Sept. 7.
 Marker, Film. W. H. Turner. 2,445,843, July 27.
 Marker, Road. J. R. Elliott. 2,434,103, Jan. 6.
 Marking and attaching machine, Ticket. C. B. Weller. 2,449,188, Sept. 14.
 Marking device. J. S. Cushman. 2,453,201, Nov. 9.
 Marking device, Electric. C. M. Elstad. 2,452,738, Nov. 2.
 Marking device, Highway. H. C. Snead, Jr. 2,435,757, Feb. 10.
 Marking device, Pipe juncture. R. A. Black. 2,436,542, Feb. 24.
 Marking device, Sextant. I. W. Doyle. 2,456,392, Dec. 14.
 Marking or printing machine. D. R. Simonds. 2,435,369, Feb. 3.
 Marking system. H. C. Hayslip. 2,455,007, Nov. 30.
 Mascara case. N. S. Waterman. 2,441,857, May 18.
 Mask, Breath diverter face. F. L. Hower. 2,457,044, Dec. 21.
 Mask, Driller's. J. Fisher. 2,452,845, Nov. 2.
 Mask, Electrical facial. S. Duma. 2,434,198, Jan. 6.
 Mask for color film, Integral. W. T. Hanson, Jr. 2,449,966, Sept. 21.
 Mask, Gas. C. Rich. 2,437,755, Mar. 16.
 Mask, Oxygen. H. R. Bierman. 2,444,417, July 6.
 Mask, Protective. J. P. Woo. 2,444,393, June 29.
 Mask, Spray. W. Lehmann. 2,435,721, Feb. 10.
 Mask, Surgical. S. R. Williams. 2,447,450, Aug. 17.
 Mask with adjustable supporting means for profile projectors. H. Boardman. 2,454,127, Nov. 16.
 Masonry cutter. E. P. Sanders. 2,441,535, May 11.
 Mass spectrometry. R. V. Langmuir. 2,457,162, Dec. 28.
 Mass spectrometry. H. W. Washburn. 2,450,462, Oct. 5.
 Massage apparatus. B. Wandel. 2,443,845, June 22.
 Massage head. W. M. Wybrants. 2,441,682, May 18.
 Massage roller. H. D. Niblack. 2,446,099, July 27.
 Massage table. R. Golden. 2,439,292, Apr. 6.
 Massage table. H. D. Niblack. 2,446,098, July 27.
 Massager, Prostate. A. J. C. Schwartz. 2,445,974, July 27.
 Massager, Skin. G. J. Benton and W. A. Schumacher. 2,445,596, July 20.
 Massaging apparatus. G. W. Crise. 2,448,777, Sept. 7.
 Massaging device. L. H. Snyder. 2,452,798, Nov. 2.
 Massaging device, Breast. L. A. Marc-Aurele. 2,435,894, Feb. 10.
 Massaging device, Nonvibratory. A. R. Marty. 2,436,969, Mar. 2.
 Mast for marine craft. F. R. Eichner. 2,454,640, Nov. 23.
 Mast, Oil well. R. E. and R. E. Fife, Jr. 2,438,277, Mar. 23.
 Master sheets in typewriting and like machines, Producing reduplicative. C. W. Brumhill. 2,452,099, Oct. 26.
 Mat frame for evaporative coolers. A. S. Feinberg. 2,450,191, Sept. 28.
 Mat, Revetment. A. B. Pickett. 2,454,292, Nov. 23.
 Match. M. R. Metzger. 2,436,049, Feb. 17.
 Match book, Folding. A. Visco. 2,452,882, Nov. 2.
 Match book holder with wind guard. M. Berg. 2,435,491, Feb. 3.
 Match comb handling conveyer. R. S. Pullen. 2,450,163, Sept. 28.
 Match draw indicator. A. R. Lovelock. 2,437,167, Mar. 2.
 Match pack holder. M. H. Duval. 2,445,317, July 20.
 Matching device, Impedance. J. B. Dearing. 2,456,770, Dec. 21.
 Material and its preparation, Lightweight. H. Napier. 2,456,643, Dec. 21.
 Material applicator for printing machines. E. J. Janke. 2,443,456, June 15.
 Material classifier. G. B. Ebersole and L. L. Leach. 2,434,037, Jan. 6.
 Material engaging and moving attachment for tractors. B. F. Arps. 2,443,883, June 22.
 Material for use in the manufacture of ear defenders and the like. P. S. Veneklasen and N. A. Watson. 2,450,101, Sept. 28.
 Material forming die. N. M. Olney. 2,440,809, May 4.
 Material handling apparatus. T. K. Andersen. 2,443,174-5, June 15.
 Material handling apparatus. T. K. Andersen. 2,447,150, Aug. 17.
 Material handling apparatus. R. C. Franke. 2,436,718, Feb. 24.
 Material handling apparatus. J. J. Hite. 2,435,353, Feb. 3.
 Material-handling apparatus. O. K. Staiger. 2,437,486, Mar. 9.
 Material handling device. G. J. Hulbert. 2,442,413, June 1.
 Material handling device. T. W. Kerr. 2,452,856, Nov. 2.
 Material lifting and transporting vehicle. H. A. and G. H. Wagner. 2,450,102, Sept. 28.
 Material moving mechanism. S. S. Pokorny. 2,435,098, Jan. 27.
 Material projecting apparatus. R. A. Prosser and A. S. Nichols. 2,437,042, Mar. 2.
 Material reducing apparatus particularly adapted to reduce metal turnings. J. T. Fowler. 2,453,008, Nov. 2.
 Material transport system including an in-circuit pulverizer, Closed-loop. D. V. Sherban. 2,436,487, Feb. 24.
 Material with wrinkle-textured coating, Flexible. N. T. Beynon. 2,456,671, Dec. 21.
 Material working apparatus. F. Dowd and W. J. Keller. 2,436,423, Feb. 24.
 Material working apparatus. V. G. Jarman. 2,435,628, Feb. 10.
 Material working apparatus. A. M. Missbach. 2,442,901, June 8.
 Material working apparatus. C. E. Willous. 2,447,884, Aug. 24.
 Materials comprising fluoroprene, Synthetic rubberlike. F. B. Hill, Jr. 2,436,213, Feb. 17.
 Materials for dental purposes. C. Joannides. 2,454,456, Nov. 23.
 Materials, Manufacture of thermoplastic. J. M. Blerer. 2,434,541, Jan. 13.
 Materials, Regeneration of solid. W. I. Thompson. 2,434,602, Jan. 13.
 Materials resistant to or active against microorganisms, Manufacture of. E. Boehm. 2,451,149, Oct. 12.
 Materials resistant to poisonous gases. R. Wechsberg. 2,433,876, Jan. 6.
 Materials to a radio-frequency field, Method of and apparatus for subjecting. G. H. Brown. 2,442,114, May 25.
 Matrices for fresnel-type lenses, Making. R. V. Beshgetoor. 2,441,747, May 18.
 Matrix predrier. W. T. Moir. 2,454,334, Nov. 23.
 Matrix retainer. B. F. Toftemire. 2,439,703, Apr. 13.

- Mattress. M. D. Seeche. 2,454,220, Nov. 16.
 Mattress construction, Air. H. O. Veach. 2,450,699, Oct. 5.
 Mattress construction, Innerspring. M. Marsack. 2,446,775, Aug. 10.
 Mattress cover and blanket retainer, Combination. E. H. Spiro, Jr. 2,450,923, Oct. 12.
 Mattress filling box. F. Parker. 2,436,119, Feb. 17.
 Mattress for seats, cushions, or other applications, Resilient. A. Auby. 2,434,382, Jan. 13.
 Mattress handle. A. Fridolph. 2,435,388, Feb. 3.
 Maximum demand indicator. R. A. Tollefsen and R. A. Hunt. 2,457,286, Dec. 28.
 Maximum load indicating gauge. J. D. Donaldson. 2,450,644, Oct. 5.
 Means for transforming volcanic rock. J. L. Fournier. 2,455,666, Dec. 7.
 Means for use in computing elapsed time and the like. G. W. Odell. 2,454,711, Nov. 23.
 Means to connect tractor and trailer sections and for effecting steering thereof. H. G. Traver. 2,455,147, Nov. 30.
 Measurement of corrosive characteristics of the soil. R. L. Starkey and K. M. Wight. 2,454,952, Nov. 30.
 Measuring and control apparatus, Electronic. G. A. F. Machlet. 2,434,941, Jan. 27.
 Measuring and control system. A. J. Hornfeck. 2,457,558, Dec. 28.
 Measuring and controlling apparatus. C. Johnson, H. H. Gorrie, and P. S. Dickey. 2,444,101, June 29.
 Measuring and controlling apparatus. H. S. Jones. 2,436,720, Feb. 24.
 Measuring and controlling apparatus, Safe failure. R. F. Wild. 2,452,023, Oct. 19.
 Measuring and controlling system. A. J. Hornfeck. 2,439,851, Apr. 20.
 Measuring and dispensing apparatus, Liquid. W. A. Shimp. 2,453,080, Nov. 2.
 Measuring apparatus in combination with a twisting machine. Length. E. J. Larsen and O. G. Nelson. 2,437,101, Mar. 2.
 Measuring apparatus, Microwave power. J. W. Tiley and D. E. Sunstein. 2,453,283, Nov. 9.
 Measuring apparatus, Network. R. D. McCoy. 2,452,587, Nov. 2.
 Measuring apparatus, Pressure. E. Dawson and J. R. Ericson. 2,450,884, Oct. 12.
 Measuring apparatus, Radiant energy. H. R. Moore. 2,451,572, Oct. 19.
 Measuring apparatus responsive to variable conditions. J. E. Watkins. 2,450,772, Oct. 5.
 Measuring apparatus, Standing-wave. D. Dettinger. 2,454,042, Nov. 16.
 Measuring apparatus, Temperature. C. J. Thompson. 2,457,751, Dec. 28.
 Measuring device, Capacitive angular velocity. B. E. Watt. 2,455,345, Nov. 30.
 Measuring device, Comparison type light. J. M. Hall. 2,440,266, Apr. 27.
 Measuring device, Contrast. G. A. Fry. 2,435,074, Jan. 27.
 Measuring device, Fluid mass. J. H. Cantlin. 2,449,054, Sept. 14.
 Measuring device for towing winches. G. W. Royster. 2,445,972, July 27.
 Measuring device, Liquid. A. H. Davis, Jr. 2,451,154, Oct. 12.
 Measuring device, Liquid. E. E. Hageline. 2,443,421, June 15.
 Measuring device, Pressure. P. L. Spencer. 2,440,704, May 4.
 Measuring device, Voltage. C. R. Fountain. 2,440,679, May 4.
 Measuring device with distortable portioning means. E. Gronemeyer and S. Cherba. 2,446,085, July 27.
 Measuring device with gravity operated valves. W. H. Duggan. 2,438,002, Mar. 16.
 Measuring implement. F. H. Jantzen. 2,452,241, Oct. 26.
 Measuring instrument. A. J. Rosenberger. 2,436,451, Feb. 24.
 Measuring instrument, Electrical. A. J. Petzinger and R. V. Adams. 2,454,201, Nov. 16.
 Measuring instrument, Electrical. A. G. Stimson. 2,451,886, Oct. 19.
 Measuring instrument having an adjustable scale. H. C. Houser. 2,455,865, Dec. 7.
 Measuring instrument, Microwave power. G. E. Feiker, Jr. 2,434,610, Jan. 13.
 Measuring instrument, Rectifier type. H. B. Conant. 2,452,551, Nov. 2.
 Measuring instrument, Temperature. E. M. Smith. 2,445,156, July 13.
 Measuring instrument, Viscosity. H. T. Booth. 2,442,032, May 25.
 Measuring instruments. J. E. Coates. 2,438,205, Mar. 23.
 Measuring machine using light beams, Area. P. E. Nokes. 2,450,054, Sept. 28.
 Measuring system, Electrical. C. M. Rifenbergh. 2,457,727, Dec. 28.
 Measuring system, Frequency. E. S. Clammer, M. J. Ackerman, and G. A. Barton. 2,451,320, Oct. 12.
 Measuring system, High-frequency pulse. C. B. Sheppard. 2,434,334, Jan. 13.
 Measuring system, Pulse echo distance. I. Wolff. 2,438,836, Mar. 30.
 Measuring system, Temperature. A. A. Chabrol. 2,450,269, Sept. 28.
 Measuring system, Temperature responsive. A. J. Hornfeck. 2,447,338, Aug. 17.
 Measuring tape. G. F. Pinsuti. 2,443,476, June 15.
 Measuring the color quality of light, Method of and apparatus for. V. O. Gittus. 2,455,116, Nov. 30.
 Measuring the composition of gas, Method of and apparatus for. R. A. Ackley. 2,437,720, Mar. 16.
 Measuring the electrical properties and surface characteristics of materials, Method of and apparatus for. M. Muskat and N. D. Coggeshall. 2,456,012, Dec. 14.
 Measuring the power output of radio transmitters. P. J. Ovrebo. 2,441,165, May 11.
 Measuring the velocity and volume of fluids. F. H. Lagasse. 2,453,376, Nov. 9.
 Measuring valve. T. M. Costakos. 2,457,531, Dec. 28.
 Measuring valve mechanism. L. R. Tansley. 2,453,553, Nov. 9.
 Measuring volumetric samples. E. L. Shook. 2,434,723, Jan. 20.
 Meat ball forming machine. J. M. Archer and J. A. Pepper. 2,442,633, June 1.
 Meat curing. C. A. Rinehart. 2,442,663, June 1.
 Meat product and making the same. G. L. Cross. 2,440,168, Apr. 20.
 Meat product and process. E. N. Oftedahl. 2,447,427, Aug. 17.
 Meat product and process, Coated. J. N. Lesparre. 2,440,517, Apr. 27.
 Meat scrapple and making the same, Dehydrated. A. F. Morgan and B. M. Watts. 2,457,063, Dec. 21.
 Meat tendering machine. A. H. Ahrndt. 2,457,622, Dec. 28.
 Meat tenderizer. F. H. Morgan. 2,453,334, Nov. 9.
 Mechanical adjustment of elements mounted inside vacuum tubes. C. H. Foulkes. Re. 22,982, Mar. 9.
 Mechanical chipping tool. E. E. Baseler. 2,436,541, Feb. 24.
 Mechanical device for determining the future position of aircraft. E. E. Miller. 2,451,856, Oct. 19.
 Mechanical filter. E. Seifert. 2,456,025, Dec. 14.
 Mechanical galloping horse. A. A. Kollman. 2,454,656, Nov. 23.
 Mechanical gripping tool. D. H. McNaughton, Sr. 2,450,151, Sept. 28.
 Mechanical impulse regenerator. O. W. Henrikson and H. F. Obergefell. 2,445,829, July 27.
 Mechanical lubricator. R. H. Shepard. 2,436,493, Feb. 24.
 Mechanical movement. W. L. Fitch. 2,445,711, July 20.
 Mechanical movement. C. H. Petskeyes. 2,451,303, Oct. 12.
 Mechanical movement. J. S. Sharpe. 2,434,082, Jan. 6.
 Mechanical movement device. R. W. Carter. 2,447,931, Aug. 24.
 Mechanical movement for converting rotary motion into reciprocating movement. W. A. Traut. 2,455,626, Dec. 7.
 Mechanical operating rocket supported bodies. H. G. Schlecht. 2,434,081, Jan. 6.
 Mechanical peel. C. E. Foerster. 2,441,806, May 18.
 Mechanical pool table. F. Radinsky. 2,450,613, Oct. 5.
 Mechanical release. L. P. Frieder and W. S. Finken. 2,442,682, June 1.
 Mechanical scrub brush. E. A. Miller. 2,439,344, Apr. 6.
 Mechanical self-adjusting mechanism. H. E. Voothies. 2,444,317, June 29.
 Mechanical shorthand writing means. W. V. Kirkpatrick. 2,449,126, Sept. 14.
 Mechanical stirrer. M. M. Graff. 2,452,923, Nov. 2.
 Mechanically actuated toy wheeled vehicle. M. Sadofsky. 2,443,519, June 19.
 Mechanically simulating genuine oil paintings. I. Tornberg. 2,444,863, July 6.
 Mechanism and controls for controllable aircraft propellers; complete propeller with automatic controls. H. M. McCoy. 2,455,378, Dec. 7.
 Mechanism for actuating calculating machines, Electromechanical. M. G. de Simone. 2,456,771, Dec. 21.
 Mechanism for adding machines, Printing. H. L. Lambert. 2,457,050, Dec. 21.
 Mechanism for adjusting the amount of travel of riders on lead screws. G. E. Reitter. 2,441,596, May 18.
 Mechanism for applying adhesive to blanks in jacket forming machines. J. Cutler. 2,435,739, Feb. 10.
 Mechanism for applying plastic crowns to containers. J. Kantor. 2,452,934, Nov. 2.
 Mechanism for bending slider bodies. B. P. Lawson. 2,438,060, Mar. 16.
 Mechanism for blanking material for cups or the like. L. M. Harvey. 2,435,309, Feb. 3.
 Mechanism for controlling helicopters with coaxial rotors. V. Bendix. 2,448,073, Aug. 31.
 Mechanism for controlling hydraulic flow. J. Kalix. 2,435,968, Feb. 17.
 Mechanism for converting rotary motion into approximately hypocycloidal motion. F. A. Snell. 2,449,958, Sept. 21.
 Mechanism for conveying, discharging, and assorting wrapped articles. C. J. Malhot. 2,438,178, Mar. 23.

- Mechanism for document photographing machines, Control and indexing. F. J. Schutt. 2,452,497, Oct. 26.
- Mechanism for effecting the regulation and automatic control of the temperature of bath water. C. R. Spencer and D. G. Wilhelm. 2,455,144, Nov. 30.
- Mechanism for feeding sheets of stiff fibrous material. F. H. Chapman. 2,449,690, Sept. 21.
- Mechanism for feeding yarn in circular weft knitting machines. A. Shortland. 2,448,498, Aug. 31.
- Mechanism for firearms, Buffer. C. E. Simpson. 2,456,652, Dec. 21.
- Mechanism for firearms, Flexible sear. A. H. Thompkins. 2,455,830, Dec. 7.
- Mechanism for heat sealing package seam joints. H. O. Irmischer. 2,434,657, Jan. 20.
- Mechanism for machine guns, Shell ejecting. F. I. Rataiczak. 2,436,937, Mar. 2.
- Mechanism for milling machines, Knee actuating. L. F. Nenninger and E. A. Hassman. 2,452,674, Nov. 2.
- Mechanism for moving movable members. H. L. Bowditch. 2,455,526, Nov. 30.
- Mechanism for object locating training system, Target course simulating. F. W. Treptow. 2,442,788, June 8.
- Mechanism for power electrical tap switches. E. A. Miller. 2,446,881, Aug. 10.
- Mechanism for power shovels, Trip. J. H. Edwards. 2,435,740, Feb. 10.
- Mechanism for precision switches. E. A. Miller. 2,448,230, Aug. 31.
- Mechanism for retarding the rate of fire of automatic firearms. J. J. Maciejowski. 2,434,326, Jan. 13.
- Mechanism for straightening automobile fenders. J. M. Johnson and B. P. Leaf. 2,442,604, June 1.
- Mechanism for selective operation of a plurality of master cylinders. A. N. Milster. 2,453,852, Nov. 16.
- Mechanism for stud welding guns and the like. A. M. Candy. 2,451,716, Oct. 19.
- Mechanism for supplying steam and heated air to spotting machines. W. C. Glover, Jr. 2,455,756, Dec. 7.
- Mechanism for swinging members, Oscillating. J. C. Gibson. 2,456,777, Dec. 21.
- Mechanism for the execution of the unravelable edge of the lateral sole entrance parts of stockings. J. Garric. 2,441,018, May 4.
- Mechanism for transforming linear movement of one member into arcuate or angular movement of another member or vice-versa with particular reference to screw and nut type steering gears. J. G. Douglas. 2,446,911, Aug. 10.
- Mechanism for weighing and discharging articles into selected compartments. D. B. Tolley. 2,436,534, Feb. 24.
- Mechanized restaurant. T. M. Lewis, E. G. Rounce, and C. G. H. F. Dunham. 2,435,044, Jan. 27.
- Media for producing penicillin, Process and culture. O. K. Behrens. 2,440,855, Apr. 27.
- Media for producing penicillin, Process and culture. O. K. Behrens and Q. F. Soper. 2,440,357, Apr. 27.
- Media for producing penicillin, Process and culture. O. K. Behrens and R. G. Jones. 2,440,358, Apr. 27.
- Media for producing penicillin, Process and culture. O. K. Behrens, R. G. Jones, and J. W. Corse. 2,440,359, Apr. 27.
- Media for the production of penicillin, Process and culture. O. K. Behrens. 2,440,356, Apr. 27.
- Media for the production of penicillin, Process and culture. O. K. Behrens, R. G. Jones, and J. W. Corse. 2,440,360, Apr. 27.
- Media for the production of penicillin, Process and culture. O. K. Behrens, R. G. Jones, and J. W. Corse. 2,440,361, Apr. 27.
- Medicinal composition. F. J. Helgren. 2,448,180, Aug. 31.
- Medicinal composition for hemorrhagic conditions. S. Ansbacher and E. Fernholz. 2,455,398, Dec. 7.
- Melamine-formaldehyde resin dispersion in a nonbasic water-soluble alcohol medium. G. Pitzl. 2,451,867, Oct. 19.
- Melamine-formaldehyde resins plasticized with alkali lactate. J. R. Alexander, D. Burton, and F. Hausmann. 2,446,991, Aug. 17.
- Melamine, Preparing. A. F. MacLean. 2,442,729, June 1.
- Member for converting single pane window sash into double pane sashes, Structural addition. W. A. Doney. 2,436,037, Feb. 17.
- Mending device, Pneumatically operated. M. Vitoux. 2,446,203-4, Aug. 3.
- Mepacrine dihydrochloride dihydrate, Preparing. A. G. Murray. 2,439,746, Apr. 13.
- Mercaptan recovery. R. T. Bell. 2,441,385, May 11.
- Mercaptans and disulfides, Production of commercially pure. S. P. Cauley. 2,455,656, Dec. 7.
- Mercaptans from a liquid mixture of hydrocarbons containing low-boiling and high-boiling mercaptans, Removing. S. P. Cauley. 2,446,507, Aug. 3.
- Mercaptans, Producing. C. B. Bliswell. 2,436,137, Feb. 17.
- Mercaptans, Production of. J. P. Lyon, Jr. 2,435,545, Feb. 3.
- Mercaptans, Solvent extraction of. H. E. Drennan. 2,452,040, Oct. 26.
- Merchandise handling apparatus. J. Pearlman. 2,442,549, June 1.
- Mercury clutch. A. M. Wickwire and H. J. Zimmermann. 2,452,008, Oct. 19.
- Mercury electrolytically from acid solutions, Producing. H. R. Alley and B. F. Freeberg. 2,440,238, Apr. 27.
- Mercury interrupter. L. M. Wittlinger. 2,449,439, Sept. 14.
- Mercury leveling clamp. G. W. Carlson. 2,452,729, Nov. 2.
- Mercury pool electronic device. E. G. F. Arnott. 2,438,139, Mar. 23.
- Mercury-treated charcoal catalyst and its preparation. L. F. Salisbury. 2,455,881, Dec. 7.
- Mercury vapor lamp. A. J. Cosmetto. 2,445,313, July 20.
- Merry-go-round. W. W. Dittmar. 2,457,355, Dec. 28.
- Message scanning system, Automatic facsimile. C. N. Gillespie. 2,443,953, June 22.
- Metachrome dyeing with cationic and non-ionic agents. H. E. Millson and G. L. Royer. 2,443,166, June 8.
- Metachrome dyeing with colloidal cationic agent. G. L. Royer and C. A. Amick. 2,434,178, Jan. 6.
- Metacresol-1,3,4-xylenol, Preparing. F. E. Cislak and M. M. Otto. 2,456,581, Dec. 14.
- Metal article, Coated. M. G. Whitfield and V. Sheshunoff. 2,455,457, Dec. 7.
- Metal article, Composite. J. E. Whitfield. 2,442,254, May 25.
- Metal articles, Assembling. R. R. Kubie and C. H. Nylander. 2,457,691, Dec. 28.
- Metal articles, Shaping. J. L. Sussman. 2,441,517, May 11.
- Metal-bending machine with hold-down means to prevent die deflection. L. B. Green. 2,446,824, Aug. 10.
- Metal bodies, Making. R. E. Rice. 2,435,511, Feb. 3.
- Metal bodies, Making clad. F. R. Hensel and E. I. Larsen. 2,433,903, Jan. 6.
- Metal casings enclosing vibratile elements, Sealing. W. M. Roberds, J. G. Beard, and F. C. Blancha. 2,444,312, June 29.
- Metal cleaning. H. N. Gilbert. 2,448,262, Aug. 31.
- Metal closures to containers, Attaching. J. Coyle. 2,455,737, Dec. 7.
- Metal coating metal articles. U. C. Tainton. 2,441,776, May 18.
- Metal complexes of pyrazolone azo dyestuffs. R. S. Long and C. E. Lewis. 2,437,645, Mar. 9.
- Metal cross bridging. E. C. Meulenbergh. 2,455,904, Dec. 7.
- Metal for metal-to-glass seals, Preparing. C. Daley. 2,452,519, Oct. 26.
- Metal forming machine. W. J. Ogden. 2,442,859, June 8.
- Metal from the surface of blooms and the like, Removing. J. L. Anderson. 2,441,179, May 11.
- Metal furnace. J. L. Stroman. 2,455,581, Dec. 7.
- Metal halide from fluids, Removal of. J. W. Latchum, Jr. 2,443,141, June 8.
- Metal joints protected by sodium silicate, by means of induction heating, Brazing. W. C. Rudd. 2,434,867, Jan. 20.
- Metal lens holder. G. W. Marks, F. Cossey, and R. S. Mills. 2,444,457, July 6.
- Metal, Making foamlike mass of. B. Sosnick. 2,434,775, Jan. 20.
- Metal members, Making reinforced porous. C. C. S. Le Clair. 2,457,051, Dec. 21.
- Metal mercaptides of amino-aryl mercaptans, Preparation of. N. Steiger. 2,454,260, Nov. 16.
- Metal objects coated with lead alloys. G. M. Bouton, G. S. Phipps, and E. E. Schumacher. 2,446,996, Aug. 17.
- Metal oxide catalyst, Reducing a. J. W. Teter. 2,437,487, Mar. 9.
- Metal-phthalocyanines containing halomethyl groups and preparing same. N. H. Haddock and C. Wood. 2,435,307, Feb. 3.
- Metal pieces by means of a bonding layer of predetermined thickness, Uniting. R. R. La Motte. 2,451,099, Oct. 12.
- Metal pipe, Making composite plastic lined. C. G. Munger. 2,440,725, May 4.
- Metal powder into complicated shapes, Compacting. P. Schwarzkopf. 2,447,434, Aug. 17.
- Metal, Producing powdered. E. C. Truesdale. 2,445,648, July 20.
- Metal rectifier element. H. S. Denmark. 2,444,430, July 6.
- Metal salt compositions, Oil-soluble drier. A. Fischer. 2,456,824, Dec. 21.
- Metal salts of acyl phenol monosulfides. E. W. Cook and W. D. Thomas, Jr. 2,445,939, July 27.
- Metal salts of thiosorbitol and other monothio sugar alcohols, Water-soluble heavy. F. K. Signaigo. 2,440,729, May 4.
- Metal screen. B. E. Butler and E. A. Shaw. 2,445,262, July 13.
- Metal sheets, Apparatus and method of stretch pressing. F. W. Weisner and A. Coulte. 2,434,379, Jan. 13.
- Metal sponges, Making. A. J. Homon. 2,450,280, Sept. 28.
- Metal stretching press. A. M. Greene, Jr., and W. Ernst. 2,437,092, Mar. 2.
- Metal strip, Electrically heating continuously traveling. F. Miess. 2,441,500, May 11.
- Metal surface conditioning process. B. R. King. 2,453,019, Nov. 2.
- Metal, Surface treatment of. J. A. Tansley. 2,449,917, Sept. 21.

- Metal surfaces, Protecting. E. G. Cobb. 2,455,114, Nov. 30.
- Metal surfaces, Protection of certain nonferrous. E. Snyder. 2,453,764, Nov. 16.
- Metal teeming. W. E. Schmertz. 2,453,643, Nov. 9.
- Metal wheel. C. L. Eksergian. 2,439,848, Apr. 20.
- Metal with a flux-forming powder in the oxygen cutting stream, Thermochemical removal of. R. L. Wagner. 2,451,422, Oct. 12.
- Metalworking and stripping-plating process. H. L. Benner and R. R. Bair. 2,436,244, Feb. 17.
- Metalworking machine. J. B. McClelland. 2,439,015, Apr. 6.
- Metalworking machine. E. H. Varmee. 2,437,794, Mar. 16.
- Metal working or like tool. W. R. Dapprich. 2,456,682, Dec. 21.
- Metalization on nonconductors. H. Narcus. 2,454,610, Nov. 23.
- Metallizing nonmetallic articles. F. R. Wenger. 2,447,379-80, Aug. 17.
- Metallization of beta-keto esters. V. H. Wallingford and A. H. Homeyer. 2,438,241, Mar. 23.
- Metallic iron from a fused alumina-cryolite composition, Removing. D. S. McLellan. 2,439,216, Apr. 6.
- Metallic material, Disintegrating or removing. H. V. Harding. 2,441,319, May 11.
- Metallic patterns, Producing predetermined. M. D. Rubin. 2,443,119, June 8.
- Metallic structure within high-temperature furnaces. J. Fletcher and C. L. Norton, Jr. 2,446,222, Aug. 3.
- Metallizable polyazo dyestuffs. W. Wehrli and C. Petitjean. 2,454,683, Nov. 23.
- Metallizable polyazo dyestuffs and their preparation. W. Wehrli and C. Petitjean. 2,447,222, Aug. 17.
- Metallo-organic compositions. C. N. Andersen. 2,451,052, Oct. 12.
- Metallurgical apparatus. H. E. McDonnell. 2,445,743, July 20.
- Metallurgical liquids, Controlling the flow of. J. F. Jordan. 2,457,083, Dec. 21.
- Metallurgical process and apparatus. C. J. Westling. 2,436,157, Feb. 17.
- Metals, Coating on. R. M. Thomas, C. W. Ostrander, and W. H. Kaelin. 2,434,525, Jan. 13.
- Metals, Distillation of volatilizable. H. Church. 2,456,918, Dec. 21.
- Metals, Manufacture of alkaline earth. F. R. Kemmer. 2,448,000, Aug. 24.
- Metals on a support by thermal evaporation in a vacuum, Process and apparatus for depositing. P. Alexander. 2,444,763, July 6.
- Metals, The separation of. W. J. Kroll and F. E. Bacon. 2,452,665, Nov. 2.
- Metals, Thermochemically cutting. H. G. Hughey. 2,448,098, Aug. 31.
- Meta-substituted phenols, Preparation of. E. Schwenk and D. Papa. 2,439,375, Apr. 13.
- Meteorological balloon. F. A. Caspar. 2,455,469, Dec. 7.
- Meter: See
- Accumulator meter.
 - Balanced alternating current exciting vacuum tube meter.
 - Consistency meter.
 - Detonation meter.
 - Diesel engine air meter.
 - Differential twin chamber neutron meter.
 - Direct reading photoelectric exposure meter.
 - Distance meter.
 - Efficiency meter.
 - Field intensity meter.
 - Flow meter.
 - Flow-ratio meter.
 - Fluid meter.
 - Fluxion meter.
 - Hydrogen meter.
 - Low humidity meter.
 - Miles-per-gallon meter.
 - Photoelectric exposure meter.
 - Photographic exposure meter.
 - Pressure meter.
 - Pupillometric exposure meter.
 - Radiation intensity meter.
 - Radio-frequency power meter.
 - Reflex thermal electric meter.
 - Resonant wave meter.
 - Rotary fluid meter.
 - Temperature compensated meter.
 - Torque meter.
 - Vacuum tube meter.
 - Vibrating reed frequency meter.
 - Volt-ampere meter.
 - Wave meter.
- Meter construction, Fluid. R. A. Norbom. 2,457,710, Dec. 28.
- Meter for enlargers using differential means to indicate contrast, Photoelectric exposure. L. L. Welsglass. 2,450,319, Sept. 28.
- Meter for photoelectric exposure determining devices, Multiple light baffle brightness. K. Rath. 2,444,674, July 6.
- Meter for ultra high frequency electric power, Dissipative load and watt. E. B. Moullin. 2,435,597, Feb. 10.
- Meter mounting. J. L. Ford. 2,438,497, Mar. 30.
- Meter pedestal. R. J. Teetsell. 2,453,734, Nov. 16.
- Meter protection circuit. C. S. Ingram. 2,451,953, Oct. 19.
- Meter system, Electrical hook-on. T. B. Brown. 2,440,244, Apr. 27.
- Meter valve. F. R. Goehring. 2,441,483, May 11.
- Meter with cylinders parallel to the drive shaft. D. S. Willson. 2,437,413, Mar. 9.
- Metered spraying device for mixed liquids. R. B. Smith. 2,438,462, Mar. 23.
- Metering apparatus for supercharged internal-combustion engines, Fuel. A. S. Atkinson. 2,441,948, May 25.
- Metering device and heat exchanger for refrigerators, Combination. M. T. Cahenzli, Jr. 2,455,298, Nov. 30.
- Metering device, Fuel. F. C. Reggio. 2,435,902, Feb. 10.
- Metering system, Salinity. A. M. Feller. 2,456,117, Dec. 14.
- Metering system with supervised control device, Selective. J. L. Bower. 2,440,002, Apr. 20.
- Metering valve. B. W. Pasnow. 2,445,631, July 20.
- Methallylbenzene and related compounds, Preparation of. D. Davidson and S. J. Kahn. 2,454,779, Nov. 30.
- Methanol to formaldehyde, Conversion of. W. F. Brondyke and J. A. Monier, Jr. 2,436,287, Feb. 17.
- Methinedyestuffs. O. Riester. 2,442,710, June 1.
- Methine dyestuffs. O. Riester and G. Wilmanns. 2,440,119, Apr. 20.
- Methionine isolation process. E. C. Kirkpatrick. 2,443,391, June 15.
- Method and apparatus for bonding thin sections to heavier members. P. E. Cate. 2,450,120, Sept. 28.
- Method and apparatus for doffing spinning frames and the like. G. A. R. Foster and J. Gregory. 2,449,742, Sept. 21.
- Method and apparatus for drilling and producing wells. W. E. Gilbert. 2,452,920, Nov. 2.
- Method and apparatus for enriching the alumina content of cryolite fusions in aluminum production. A. F. Johnson. 2,451,492, Oct. 19.
- Method and apparatus for manufacturing fluorescent lamps. H. D. Blake and W. J. Winninghoff. 2,449,637, Sept. 21.
- Method and apparatus for manufacturing pottery ware. W. J. Miller. 2,450,437, Oct. 5.
- Method and apparatus for measuring permeability. W. A. Bruce. 2,448,955, Sept. 7.
- Method and apparatus for measuring surface tension. H. M. Cassel. 2,448,768, Sept. 7.
- Method and apparatus for molding shoe uppers. B. Shenberg and H. Shrager. 2,450,490, Oct. 5.
- Method and apparatus for preventing explosions. H. V. Williamson. 2,449,436, Sept. 14.
- Method and apparatus for sand blasting. L. L. Tirrell. Re. 23,064, Dec. 14.
- Method and apparatus for separating peanuts from debris. F. J. Paul. 2,449,007, Sept. 7.
- Method and apparatus for supplying a slurry. J. W. Jewell. 2,441,820, May 18.
- Method and device for drying woven fabric material. H. C. Ellis. 2,451,206, Oct. 12.
- Method and machine for laminating. J. S. Glasing and H. D. Marcotte. 2,434,795, Jan. 20.
- Method and machine for producing propellers, ships' screws, and the like. W. Risch. 2,450,383, Sept. 28.
- Method and material for the production of toy balloons. J. G. Jakobsen. 2,438,854, Mar. 30.
- Method and means for demagnetizing. E. J. Martin and W. T. Sproull. 2,449,946, Sept. 21.
- Method and means for protecting shore and other structures against damage by ice. C. N. Ward. 2,449,963, Sept. 21.
- Method and means for welding pipes and the like. E. Dutch. 2,449,371, Sept. 14.
- Method for separating worm-damaged nuts from sound nuts by immersion in a gravity liquid. J. A. Armstrong. 2,451,528, Oct. 19.
- Method of and apparatus for dispensing liquefied petroleum gas. L. J. White. 2,449,351, Sept. 14.
- Method of and apparatus for making brushes. R. O. Peterson. 2,449,668, Sept. 21.
- Method of and apparatus for manufacturing flash lamps. J. Flaws, Jr. 2,449,648, Sept. 21.
- Method of and apparatus for processing yeast. A. M. Fischer. 2,448,927, Sept. 7.
- Method of and apparatus for setting self-synchronous machines on zero. G. A. Muir. 2,449,083, Sept. 14.
- Method of and apparatus for use in lasting footwear. J. S. Kamborian. 2,450,667, Oct. 5.
- Method of and device for producing pulses at the maximum or minimum of an electric impulse. M. Koulicovitch. 2,448,718, Sept. 7.
- Method of and machine for applying labels. W. Hoppe. 2,449,298, Sept. 14.
- Method of and molds for casting vitreous water closet bowls. J. W. Pieslak and R. E. Crane. 2,449,249, Sept. 14.
- Method of extracting gelose from seaweeds such as Hypnea musciformis and other species of the genus Hypnea. H. J. Humm. 2,446,091, July 27.
- Methylamines, Preparing. E. F. Smith. 2,456,599, Dec. 14.
- Methyl chloride from hydrocarbons, Extraction of. O. H. Dawson and H. G. Cornell. 2,443,229, June 15.
- Methylenedioxyphenyl compound as insecticide and pyrethrin synergist. O. F. Hedenburg. 2,452,188, Oct. 26.
- Methyl ethyl ketone by azeotropic distillation under superatmospheric pressure, Dehydration of. W. S. Harney, Jr., and E. H. Amick, Jr. 2,454,447, Nov. 23.
- Methyl ethyl ketone from azeotropic distillates by extraction with tetraethylene glycol, Recovery of. G. R. Lake. 2,444,893, July 6.
- Methylfuran, Manufacture of. R. F. Holdren. 2,445,714, July 20.
- Methyl hydroxy-isopropyl keton, Making. R. R. Dreisbach and G. B. Heusted. 2,450,646, Oct. 5.

- Methylol melamine ethers and their manufacture. F. C. McGrew. 2,454,078, Nov. 16.
- Methyl methacrylate compositions opaque to X-rays. S. A. Leader and J. J. Gordon. 2,439,374, Apr. 13.
- Methyl polysiloxane compositions, Modified. A. D. Coggeshall. 2,442,196, May 25.
- Methyl silicone elastomers containing Si-bonded vinyl radicals. J. Marsden. 2,445,794, July 27.
- Methyl siloxane gums and elastomers. R. H. Kriebel and J. R. Elliott. 2,457,688, Dec. 28.
- Methyl siloxane polymers and method of preparation. J. F. Hyde. 2,441,098, May 4.
- Methyl siloxanes, Preparing. J. F. Hyde. 2,446,135, July 27.
- Methyl 6-hydroxydehydroacetate, Methylation of. H. H. Zeiss. 2,450,706, Oct. 5.
- Methyl thiophene, Production of. H. E. Rasmussen and R. C. Hansford. 2,450,686, Oct. 5.
- Microanalyzer, Electron. L. Marton. 2,440,640, Apr. 27.
- Micromanometer, Null-type differential. R. O. Cornett. 2,434,837, Jan. 20.
- Micrometer. C. L. Whitaker. 2,443,126, June 8.
- Micrometer attachment. C. L. Kemp. 2,456,709, Dec. 21.
- Micrometer bore gauge. H. R. Forsmark. 2,456,497, Dec. 14.
- Micrometer caliper. J. P. Amador. 2,434,633, Jan. 20.
- Micrometer depth gauge. C. E. Gearhart. 2,445,060, July 13.
- Micrometer having a nonrotatable spindle. W. A. Gribble. 2,441,317, May 11.
- Micrometer setting device for boring machines. W. F. Mitchell. 2,441,716, May 18.
- Microphone adapted to be actuated by a bone structure of a user. W. R. Blair and A. E. Woodruff. 2,451,317, Oct. 12.
- Microphone assembly. G. M. Giannini. 2,437,088, Mar. 2.
- Microphone, Balanced granular. L. R. Burroughs. 2,435,920, Feb. 10.
- Microphone, Condenser. N. E. Brewer. 2,445,821, July 27.
- Microphone, Electromagnetic throat. J. S. P. Robertson. 2,441,975, May 25.
- Microphone, Guitar magnetic. H. De Armond. 2,455,046, Nov. 30.
- Microrefractometer for liquids. C. W. Gould, Jr. 2,436,567, Feb. 24.
- Microscope and counting chamber therefor. A. H. Bennett. 2,435,952, Feb. 17.
- Microscope and polarizing haemacytometer therefor, Polarizing. A. H. Bennett. 2,435,953, Feb. 17.
- Microscope projecting and viewing apparatus. E. C. Weiskopf. 2,435,299, Feb. 3.
- Microscopy, High resolution. J. Hillier and R. F. Baker. 2,448,594, Sept. 7.
- Microwave absorptive gas light valve. W. D. Hersberger. 2,451,732, Oct. 19.
- Microwave-acoustic light valve. W. D. Hersberger. 2,449,166, Sept. 14.
- Microwave energy measuring apparatus, Electrostatic. L. E. Norton. 2,453,532-3, Nov. 9.
- Microwave operated mechanism. R. G. Clapp. 2,435,423, Feb. 3.
- Microwave power measuring apparatus. J. W. Tiley. 2,453,645, Nov. 9.
- Microwave vacuum tube. H. O. Bishop and D. Kirk, Jr. 2,449,975, Sept. 28.
- Midsole and outsole construction, Laminated. W. Weidner. 2,456,659, Dec. 21.
- Miles-per-gallon meter. C. A. Leonard. 2,454,393, Nov. 23.
- Milk bottle cap. H. W. Budan. 2,434,787, Jan. 20.
- Milk bottle carrier. W. J. Lutey. 2,440,902, May 4.
- Milk bottle cover. G. Simpson. 2,439,320, Apr. 6.
- Milk bottle utility device. J. Stransky. 2,438,024, Mar. 16.
- Milk can drying rack. E. P. Swintosky. 2,449,628, Sept. 21.
- Milk delivery tube. J. A. Hopwood. 2,449,229, Sept. 14.
- Milk extractor, Top. F. H. Valiton. 2,450,313, Sept. 28.
- Milk products and the like containing algin compound. V. C. E. Le Gloabec. 2,445,750, July 27.
- Milk sugar, Manufacture of. D. D. Peebles and T. V. Marquis. 2,439,612, Apr. 13.
- Milk turning machine. J. W. Gibler. 2,456,630, Dec. 21.
- Milking machine. A. C. Bloemers. 2,445,904, July 27.
- Mill: See—
- Boring mill. Gyrotory impact ball mill.
 - Cane mill. Tube reducing mill.
 - Fulling mill. Tumbling mill.
- Mill. L. S. Petersen. 2,441,901, May 18.
- Mill roll, Rolling. F. M. Scharf. 2,452,266, Oct. 26.
- Mill with discharge openings in the liner, Drum grinding. D. W. Gates. 2,456,268, Dec. 14.
- Millinery box. E. C. Mulinix. 2,454,196, Nov. 16.
- Milling attachment for lathes. C. W. Dyer. 2,455,662, Dec. 7.
- Milling attachment for lathes. J. C. Harbison. 2,453,315, Nov. 9.
- Milling machine. H. M. Braucher. 2,454,269, Nov. 23.
- Milling machine. E. Bugatti. 2,449,449, Sept. 14.
- Milling machine. O. W. Scharpling. 2,449,179, Sept. 14.
- Milling machine attachment. J. G. Patton. 2,456,730, Dec. 21.
- Milling machine control gear. J. Frye. 2,450,546, Oct. 5.
- Milling machine, Swarf. W. Groen and R. F. Onsrud. 2,451,548, Oct. 19.
- Milling mechanism. E. T. Nord. 2,450,350, Sept. 28.
- Milling process and apparatus, Continuous. W. R. Marshall. 2,434,707, Jan. 20.
- Milling tool. H. M. Braucher. 2,454,764, Nov. 30.
- Milling tool. L. F. Catlin, Sr., R. Rourke, and L. F. Catlin, Jr. 2,455,230, Nov. 30.
- Mine. J. E. Bartgis, Jr. 2,450,407, Oct. 5.
- Mine, Antipersonnel. F. Short. 2,440,702, May 4.
- Mine, Antipersonnel artillery. C. A. Hicks. 2,454,281, Nov. 23.
- Mine apparatus, Electrical. A. L. Lee. 2,452,248, Oct. 26.
- Mine exploder. H. T. Woolson. 2,455,636, Dec. 7.
- Mine fields, Clearing. B. Walker and H. M. Morse. 2,433,875, Jan. 6.
- Mine prop. H. Thines. 2,445,543, July 20.
- Mine roof support. J. M. Phillips. 2,441,330, May 11.
- Mineral and like masses, Thermally working. J. M. Gaines, Jr. 2,436,001, Feb. 17.
- Mineral binder, Preparing a. H. H. Greger. 2,455,758, Dec. 7.
- Mineral feed for animals and producing same. G. B. Smith. 2,437,666, Mar. 9.
- Mineral materials and the like, Method of and apparatus for working. C. J. Burch. Re. 22,964, Jan. 20.
- Mineral oil composition. H. G. Berger and E. W. Fuller. 2,442,915, June 8.
- Mineral oil composition. E. W. Fuller and H. S. Angel. 2,455,668, Dec. 7.
- Mineral oil composition. E. W. Fuller, R. V. White, and B. W. Story. 2,443,578-9, June 15.
- Mineral oil composition. J. J. Giammaria. 2,449,934, Sept. 21.
- Mineral oil composition. O. M. Reiff and H. J. Andress, Jr. 2,438,876, Mar. 30.
- Mineral oil composition. O. M. Reiff and H. J. Andress, Jr. 2,441,331, May 11.
- Mineral oil composition and improving agent thereof. H. G. Berger, T. T. Noland, and E. W. Fuller. 2,450,405, Oct. 5.
- Mineral oil compositions resistant to foaming. H. G. Smith and T. L. Cantrell. 2,452,693, Nov. 2.
- Mineral oil compositions, Viscous. R. W. Watson. 2,451,642, Oct. 19.
- Mineral oils, Desalting. C. M. Blair, Jr. 2,446,040, July 27.
- Mineral products, Manufacture of synthetic. W. Diterichs. 2,455,358, Dec. 7.
- Mineral wool, Apparatus and process for the manufacture of. E. R. Powell. 2,450,914, Oct. 12.
- Mineral wool products, Method and apparatus for forming. E. R. Powell. 2,450,915, Oct. 12.
- Miniature permanent magnet motor. F. R. Schulz. 2,453,101, Nov. 2.
- Miniature steering wheel. A. M. Rothbardt. 2,446,721, Aug. 10.
- Miniature tennis game. J. Natchuk. 2,444,999, July 13.
- Mining machine. R. K. Jeffrey. 2,452,760, Nov. 2.
- Minnow, Artificial. F. H. Jobson. 2,439,391, Apr. 13.
- Mirror and cabinet, Combined. S. C. Schonfeld. 2,448,836, Sept. 7.
- Mirror attachment for eyeglasses. B. C. Trowbridge. 2,435,728, Feb. 10.
- Mirror, Dental. R. A. Dean. 2,434,311, Jan. 13.
- Mirror device, Head. F. T. Coote. 2,442,750, June 8.
- Mirror, Glare reducing rear-vision. J. H. Sherts. 2,455,818, Dec. 7.
- Mirror hanger. T. P. Brooks and B. K. Wyatt. 2,448,077, Aug. 31.
- Mirror, Rear view. J. W. Anderson, Jr. 2,447,786, Aug. 24.
- Mirror, Rear view. J. W. Anderson, Jr. 2,450,179, Sept. 28.
- Mirrors by chemical deposition, Producing. F. H. Verhoek and W. L. Morgan. 2,445,253, July 13.
- Mit. Bath. C. Ashman. 2,445,987, July 27.
- Mitigating corrosion in wells. W. F. Oxford, Jr. 2,437,475, Mar. 9.
- Mitten. H. E. Lindfelt. 2,438,611, Mar. 30.
- Mitten, Sportsman's. G. J. La Londe and A. Jewer. 2,451,837, Oct. 19.
- Mix of carbon black and a synthetic rubbery polymer of a conjugated diolefin. Making a. T. O. TeGrotenhuis and C. B. Frost. 2,441,090, May 4.
- Mixer: See—
- Cement mixer. Motor-driven food mixer.
 - Concrete feed and fertilizer mixer. Mud mixer.
 - Concrete mixer. Slurry mixer.
 - Electric motor-driven concrete mixer. Tilting bowl concrete mixer.
 - Gas mixer. Transit concrete mixer.
 - Vertical mixer.
- Mixer. J. Johnson. 2,450,802, Oct. 5.
- Mixer. D. Roles. 2,434,812, Jan. 20.
- Mixing and dispensing apparatus, Liquid. O. L. Engstrom. 2,453,004, Nov. 2.
- Mixing and dispensing device, Beverage. M. A. Joppich and W. Joure. 2,452,933, Nov. 2.
- Mixing and opening machine, Cotton bale. W. Frost. 2,445,912, July 27.
- Mixing apparatus. B. De H. Miller. 2,448,042, Aug. 31.
- Mixing apparatus. E. M. O'Neill. 2,438,574, Mar. 30.

- Mixing device, Fluid. D. P. Hamlet. 2,437,601, Mar. 9.
 Mixing bowl, Mechanical. R. E. Irish. 2,455,177, Nov. 30.
 Mixing machine, Material. H. H. Foltz. 2,445,216, July 13.
 Mixing torpedo for plastics extruders. F. E. Dulmage. 2,453,088, Nov. 2.
 Mixing tube. G. H. P. Alma, H. Cohen, and H. J. Landsbergen. 2,442,576, June 1.
 Mixing unit for refrigerators. M. Tate. 2,446,066, July 27.
 Mixing valve. J. Fraser. 2,443,499, June 15.
 Mixing valve. G. K. Gemmell. 2,450,128, Sept. 28.
 Mixture of thermoplastic interpolymers, Vulcanizable. G. W. Stanton and C. E. Lowry. 2,454,486, Nov. 23.
 Moccasin with ornamental edging. C. Hlobil. 2,439,341, Apr. 6.
 Model testing apparatus. E. Wenk, Jr. 2,446,566, Aug. 10.
 Modeling tool. W. H. Slack. 2,454,576, Nov. 23.
 Modified sweep circuit. W. A. Miller and E. R. Shenk. 2,441,246, May 11.
 Modifying starch. R. W. Kerr and N. F. Schink. 2,438,855, Mar. 30.
 Modular electric discharge lamp. E. Lemmers. 2,445,679, July 20.
 Modulated-oscillator, phonograph transducer. R. B. Albright. 2,441,464, May 11.
 Modulated saw-tooth sweep generator. W. A. Higginbotham. 2,436,890, Mar. 2.
 Modulated-signal generator. R. C. Hergenrother. 2,446,829, Aug. 10.
 Modulating and amplifying system. M. Nikis. 2,435,547, Feb. 3.
 Modulating system. J. C. Ferguson. 2,445,568, July 20.
 Modulating system. D. D. Grieg. 2,444,437, July 6.
 Modulating system. S. B. Pickles. 2,434,955, Jan. 27.
 Modulating system. R. R. Riesz. 2,438,948, Apr. 6.
 Modulating system. G. S. Whidden. 2,443,088, June 8.
 Modulation. C. N. Kimball. 2,443,958, June 22.
 Modulation. C. A. Rosencrans. 2,450,445, Oct. 5.
 Modulation. G. L. Usselman. 2,440,622, Apr. 27.
 Modulation. G. L. Usselman. 2,442,317, May 25.
 Modulation booster. F. H. Slaymaker. 2,437,839, Mar. 16.
 Modulation means and method. E. Labin and D. D. Grieg. 2,438,927, Apr. 6.
 Modulation. Phase. L. Rubin. 2,437,047, Mar. 2.
 Modulation. Phase and frequency. E. K. Stodola. 2,436,834, Mar. 2.
 Modulation, Pulse frequency. C. H. Smith, Jr. 2,438,950, Apr. 6.
 Modulation system. W. W. Hansen and R. H. Varian. Re. 22,990, Mar. 23.
 Modulation system. J. A. Hutcheson. 2,445,618, July 20.
 Modulation system. E. Labin and D. D. Grieg. 2,434,936, Jan. 27.
 Modulation system. R. J. Rockwell. 2,446,025, July 27.
 Modulation system. E. K. Stodola. 2,447,040, Aug. 17.
 Modulation system. N. H. Young, Jr. 2,440,320, Apr. 27.
 Modulation system, Phase. S. W. Lewinter. 2,456,716, Dec. 21.
 Modulation utilizing a cathode follower, System of. J. M. Glessner. 2,436,802, Mar. 2.
 Modulator. L. F. Mayle. 2,442,305, May 25.
 Modulator. N. H. Young, Jr. 2,441,983, May 25.
 Modulator arrangements for carrier wave telegraphy and telephony. K. R. Vale. 2,443,754, June 22.
 Modulator, Balanced. B. A. Somers. 2,442,786, June 8.
 Modulator circuit. J. C. Hansen. 2,449,998, Sept. 28.
 Modulator, Diode. E. H. Lange. 2,452,132, Oct. 26.
 Modulator, Double balanced. H. T. Carter. 2,455,732, Dec. 7.
 Modulator, Mechanical. M. Fuchs. 2,434,917, Jan. 27.
 Modulator or employing trigger circuit. E. R. Shenk and A. Liguori. 2,456,026, Dec. 14.
 Modulator system. D. D. Grieg. 2,440,264, Apr. 27.
 Modulator system for keying, Transientless. F. H. Shepard, Jr. 2,455,616, Dec. 7.
 Modulator, Ultra high frequency. L. D. Smullin. 2,447,543, Aug. 24.
 Modulator, Wide band frequency. E. R. Shenk and A. Liguori. 2,456,089, Dec. 14.
 Moiré designs, Producing. A. Holterhoff. 2,448,145, Aug. 31.
 Moist pack heater. F. M. Miner, Jr. 2,443,321, June 15.
 Moistener and dispenser, Towel paper. G. K. R. Winzer. 2,457,293, Dec. 28.
 Moistener, Paper. G. K. R. Winzer. 2,443,971, June 22.
 Moistening and dispensing device, Twine. V. F. Mabli. 2,440,179, Apr. 20.
 Moistening device for offset presses. H. E. Marsden. 2,448,226, Aug. 31.
 Moisture control device. F. H. Cornelius. 2,437,680, Mar. 16.
 Moisture control means for two-temperature refrigerator cabinets. A. G. Janos. 2,442,204, May 25.
 Moisture impervious vent. H. W. Bryant. 2,453,192, Nov. 9.
 Moistureproof film. S. M. Kinzinger. 2,445,727, July 20.
 Moisture-proofed plunger snap switch. J. H. Schellman. 2,451,176, Oct. 12.
 Moisture-sensitive paper and the manufacture thereof. F. L. Simons. 2,445,586, July 20.
 Moisture vapor indicator for packaged goods. H. B. Clibbon. 2,446,361, Aug. 3.
 Mold: See—
 Casting mold. Pig mold.
 Compression mold. Suction mold.
 Injection mold. Vulcanizing mold.
 Mold. H. C. Kemble. 2,443,621, June 22.
 Mold. E. Mayer. 2,454,819, Nov. 30.
 Mold. J. A. Sperry. 2,441,548, May 11.
 Mold. C. A. Waterbury. 2,456,162, Dec. 14.
 Mold conditions on metal castings, Determining effect of. H. F. Taylor and R. E. Morey. 2,452,613, Nov. 2.
 Mold construction. P. E. Hawkinson. 2,457,370, Dec. 28.
 Mold for concrete weight for iron pipe lines. G. W. McDearmon. 2,453,804, Nov. 16.
 Mold for forming cementitious blocks. C. B. Voegel. 2,449,732, Sept. 21.
 Mold for forming concrete walls in situ. R. W. Rumble. 2,449,912, Sept. 21.
 Mold for forming porro prisms. M. N. Fairbank. 2,453,005, Nov. 2.
 Mold for freezing liquids and semi-liquids. R. M. Storer. 2,444,792, July 6.
 Mold for making castings. L. W. Kempf and L. W. Eastwood. 2,452,855, Nov. 2.
 Mold for molding concrete blocks, Cradle. J. G. Gretter. 2,442,685, June 1.
 Mold for producing crankshafts. I. Olsen. 2,454,712, Nov. 23.
 Mold for slide fasteners. J. N. Kuzmick. 2,439,433, Apr. 13.
 Mold for slide fasteners. J. N. Kuzmick. 2,440,960, May 4.
 Mold for the manufacture of storage batteries. C. D. Galloway. 2,454,051, Nov. 16.
 Mold form. A. Basescu. 2,446,404, Aug. 3.
 Mold, mold charging, and molding process. F. A. Slack, Jr. 2,454,847, Nov. 30.
 Molded impeller. K. Perkins. 2,454,200, Nov. 16.
 Molded pulp carton. J. W. Cox. 2,446,264, Aug. 3.
 Molded scabbards, Making. E. L. Beckwith and C. P. MacIver. 2,455,215, Nov. 30.
 Molded structure. S. M. Fairchild. 2,452,740, Nov. 2.
 Mold-in thread insert. H. J. Findley. 2,439,687, Apr. 13.
 Molding and cutting device, Meat pattie. E. C. Garland. 2,447,245, Aug. 17.
 Molding and draining concrete, Method and apparatus for. W. F. and W. F. Wilhelm. 2,438,528, Mar. 30.
 Molding apparatus. F. A. Schultz. 2,434,594, Jan. 13.
 Molding apparatus, Plastics. J. S. Hicks. 2,441,097, May 4.
 Molding apparatus for forming buildings. W. R. Mathis. 2,434,708, Jan. 20.
 Molding ceramic articles. R. W. Ehlers. 2,446,872, Aug. 10.
 Molding circular concrete tanks, Method and apparatus for. F. Parrett. 2,435,052, Jan. 27.
 Molding composition, Urea-formaldehyde. L. Smidth. 2,447,621, Aug. 24.
 Molding composition of polyvinyl aromatic compound. L. M. Debing. 2,454,250, Nov. 16.
 Molding compounds comprising furfuryl alcohol reaction products, Producing. H. I. Hersh. 2,437,955, Mar. 16.
 Molding concrete piles, Form for. A. E. Troiel. 2,445,894, July 27.
 Molding, Edge. E. C. Lorraine. 2,449,904, Sept. 21.
 Molding ends of concrete pipes. H. H. Jenkins. 2,447,703, Aug. 24.
 Molding halftone values in printing surfaces. F. G. Yanes. 2,454,729, Nov. 23.
 Molding, Injection. R. W. Dinzel. 2,439,966, Apr. 20.
 Molding, Injection. H. F. MacMillin and G. A. Waldie. 2,448,676, Sept. 7.
 Molding machine. B. W. Benbow. 2,440,598, Apr. 27.
 Molding machine. D. Cropp. 2,440,366-7, Apr. 27.
 Molding machine. R. W. Dinzel. 2,444,339, June 29.
 Molding machine. L. L. Johnston. 2,438,218, Mar. 23.
 Molding machine. W. M. Lester. 2,454,561, Nov. 23.
 Molding machine. R. A. Myers. 2,440,376, Apr. 27.
 Molding machine. S. J. Myers. 2,440,377, Apr. 27.
 Molding machine and method, Automatic. J. Hoch. 2,445,742, July 20.
 Molding machine, Block. J. W. Briscoe. 2,455,553, Dec. 7.
 Molding machine, Block. A. T. Johnson. 2,451,167, Oct. 12.
 Molding machine, Concrete block. R. S. Reed. 2,446,061, July 27.
 Molding machine, Injection. C. Jobst. 2,456,423, Dec. 14.
 Molding machine, Injection. E. R. Knowles. 2,438,856, Mar. 30.
 Molding machine, Jolt. L. C. Young. 2,456,663, Dec. 21.
 Molding, Method and device for. R. D. Werner. 2,452,884, Nov. 2.
 Molding of extensive articles, Step-by-step. J. A. Dorner. 2,456,113, Dec. 14.
 Molding of plastic material, Injection. J. E. Gilchrist. 2,456,778, Dec. 21.
 Molding of viscose products, Extrusion. O. A. Battista. 2,440,823, Apr. 27.
 Molding plastic objects. C. W. Otis. 2,436,597, Feb. 24.
 Molding powder from a lower aliphatic ester of cellulose, Production of. H. Dreyfus, J. H. Rooney, and B. Shaw. 2,435,999, Feb. 17.
 Molding resin-bearing vegetable shell material. E. Van der Pyl. 2,440,789, May 4.

- Molding, Weatherstrip. C. F. Kramer. 2,457,312, Dec. 28.
- Molds and cores, Conditioning refractory for making. B. M. Weston. 2,444,413, July 6.
- Molds, Forming. W. W. Singleton and D. E. Dasher. 2,447,620, Aug. 24.
- Molds, Making. R. W. Luce. 2,440,963, May 4.
- Molds, Making. H. J. Pattison. 2,449,136, Sept. 14.
- Molds, Making pottery. L. P. Reese. 2,447,598, Aug. 24.
- Molds for ice sticks, Freezing. A. C. Johnson and C. C. Oliver. 2,434,803, Jan. 20.
- Molecular absorption of vibration, Method and apparatus for. C. W. Chamberlain. 2,299,5, Apr. 27.
- Molecular distillation process and apparatus for the separation of isotopes, etc. A. K. Brewer and S. L. Madorsky. 2,446,997, Aug. 17.
- Molten phthalic anhydride, Recovering. C. R. Downs. 2,441,873, May 18.
- Molybdena catalysts, their preparation and use. M. W. Tamele, V. C. Irvine, and J. F. Mahar. 2,454,724, Nov. 23.
- Molybdenum, Manufacture of. C. V. Iredell and R. J. Enrico. 2,454,322, Nov. 23.
- Money-changer. G. J. Wong. 2,435,666, Feb. 10.
- Money changer, Correct. H. H. Lannom. 2,446,182, Aug. 3.
- Money clip. L. J. Biagi. 2,447,996, Aug. 24.
- Monitoring and measuring apparatus for frequency modulated signals. R. A. Braden. 2,438,801, Mar. 30.
- Monitoring circuit. D. D. Grieg. 2,440,263, Apr. 27.
- Monitoring system, Radio. A. Preisman. 2,450,018, Sept. 28.
- Monitoring underwater echo range and bearing systems, Method and apparatus for. O. H. Schuck. 2,456,598, Dec. 14.
- Mono- and/or diglyceride preparation. E. W. Eckey. 2,442,534, June 1.
- Monoazo compound, Chromed. W. Widmer. 2,456,230, Dec. 14.
- Monoazo compounds. J. B. Dickey and J. G. McNally. 2,434,150, Jan. 6.
- Monoazo compounds. J. G. McNally and J. B. Dickey. 2,436,115, Feb. 17.
- Monoazo compounds containing a pyrazolone nucleus. J. B. Dickey, J. R. Byers, Jr., and J. G. McNally. 2,439,798, Apr. 20.
- Monoazo dye containing a trifluoro acetyl amino group. J. B. Dickey. 2,436,100, Feb. 17.
- Monochloroacetic acid, Preparation of. L. A. Burrows and M. F. Fuller. 2,455,405, Dec. 7.
- Monoesters of dicarboxylic acids, Preparation of. H. J. Hagemeyer, Jr. 2,444,735, July 6.
- Monoethenoic acids and their esters, Preparation of. D. Swern and W. C. Ault. 2,457,611, Dec. 28.
- Monoalicyclic alkanes, Production of. L. Schmerling. 2,436,490, Feb. 24.
- Monomeric addition products of azobisformates and polyfluoroethylenes. R. D. Cramer. 2,456,176, Dec. 14.
- Monomeric dithioglycidol, Preparing. F. K. Signaigo. 2,436,233, Feb. 17.
- Monomeric and polymeric unsaturated esters and their production. R. C. Morris, R. M. Horowitz, and A. V. Snider. 2,445,627, July 20.
- Monoolefin carbon monoxide polymers by reaction with basic compounds, Modification of preformed. S. L. Scott. 2,457,279, Dec. 28.
- Monoolefin/carbon monoxide polymers, Modification of preformed. P. S. Pickney. 2,457,271, Dec. 28.
- Monosulfones of conjugated diolefins, Preparation of. R. F. Robey and C. E. Morrell. 2,443,270, June 15.
- Mooring device. A. H. Peltier. 2,440,972, May 4.
- Mooring device, Aircraft. H. H. Platt and W. L. Le Page. 2,453,857, Nov. 16.
- Mop, Floor. J. E. Hawley. 2,434,563, Jan. 13.
- Mop holder. C. F. Comito. 2,442,843, June 8.
- Mop holder with dual tape tensioning structure. G. E. Bodimer. 2,452,177, Oct. 26.
- Mop, Self-wringing. V. K. Cooper. 2,434,397, Jan. 13.
- Mop stand. N. M. Gage. 2,441,697, May 18.
- Mop wringing attachment for pails, Integral sheet metal. F. B. Givens. 2,443,954, June 22.
- Mop wringing attachment for scrub buckets, Spirally contractable. E. A. Strattman. 2,447,917, Aug. 24.
- Morpholine salts of sulfonated azo dye components and their preparation. H. G. Greig. 2,453,430, Nov. 9.
- Morpholine substituted esters. L. C. Cheney and W. G. Bywater. 2,447,395, Aug. 17.
- Mortar applying device. J. H. Herman, Jr. 2,452,464, Oct. 26.
- Mortar charge. C. N. Hickman. 2,449,380, Sept. 14.
- Mosaic, Interlocking. B. Cooley. 2,454,307, Nov. 23.
- Motion detector, Pulse-echo. T. T. Eaton. 2,450,945, Oct. 12.
- Motion-picture apparatus. R. D. Parry. 2,445,689, July 20.
- Motion-picture apparatus of the optical compensating type. J. F. Leventhal. 2,440,776, May 4.
- Motion-picture camera operation-control mechanism. I. Cisski. 2,442,756, June 8.
- Motion picture film control device. A. Raskin, I. Fox, and H. Puls. 2,437,553, Mar. 9.
- Motion-picture film reel. A. Koppel. 2,450,517, Oct. 5.
- Motion picture film strip unwinding apparatus. E. H. Hurley. 2,443,248, June 15.
- Motion-picture projection machine. H. A. Bendfelt. 2,436,032, Feb. 17.
- Motion transmitting device. R. M. Hettinga. 2,438,053, Mar. 16.
- Motion transmitting device. H. M. Heuver and E. A. Rutan. 2,447,013, Aug. 17.
- Motion transmitting linkage for instruments. E. D. Raney. 2,434,052, Jan. 6.
- Motion-transmitting unit. A. G. Parker. 2,438,182, Mar. 23.
- Motor: See—
- Combination step-by-step and induction motor.
 - Delayed start alternating-current motor.
 - Electric motor.
 - Electric reciprocating motor.
 - Electric timing motor.
 - Electrical motor.
 - Electromagnetic motor.
 - Explosion-proof motor.
 - Fan-cooled motor.
 - Fluid operated motor.
 - Fluid pressure actuated motor.
 - Fluid pressure motor.
 - Heat-actuated pendular motor.
 - Induction motor.
 - Intermittent current operated motor.
 - Intermittently rotatable electric motor.
 - Intermittently vibrating electric motor.
 - Internal-combustion reaction motor.
 - Internal-combustion rotary motor.
 - Jet reaction motor.
 - Miniature permanent magnet motor.
 - Multiple motor.
 - Piezoelectric motor.
 - Remote controlled parking windshield wiper motor.
 - Motor and brake construction. C. J. Bishofberger and W. E. Edelman. 2,445,658, July 20.
 - Motor and motor fuel treatment. J. A. E. Lachapelle. 2,439,897, Apr. 20.
 - Motor and pump, Combined fluid-operated. H. J. Werner. 2,445,985, July 27.
 - Motor and receptacle therefor. F. Friedrich. 2,442,871, June 8.
 - Motor and speed reducer unit, Combined electric. A. Delaplace. 2,441,111, May 4.
 - Motor and transmission, Sealed electric. I. E. McCabe. 2,452,945, Nov. 2.
 - Motor attachment for tractors. J. J. Pettipiece. 2,456,019, Dec. 14.
 - Motor brush holder connector. F. S. Stickney. 2,454,230, Nov. 16.
 - Motor control. R. W. Moore. 2,456,982, Dec. 21.
 - Motor control apparatus. E. W. Moorman and H. A. Klein. 2,441,585, May 18.
 - Motor control apparatus, Electric. R. H. Griest. 2,455,247, Nov. 30.
 - Motor control apparatus, Electric. S. G. Isserstedt. 2,453,917, Nov. 16.
 - Motor control apparatus, Electric. D. L. Markusen. 2,452,311, Oct. 26.
 - Motor control apparatus, Electrical. H. E. Hartig. 2,435,965, Feb. 17.
 - Motor control, Automatic electric. G. E. Van Vessum. 2,440,352, Apr. 27.
 - Motor control, Electric. M. G. Crosby. 2,440,600, Apr. 27.
 - Motor control, Electric. J. M. Roberts. 2,454,671, Nov. 23.
 - Motor control, Inverse feed-back. H. C. Waterman. 2,440,130, Apr. 20.
 - Motor-control means for motion-picture cameras, Relying mechanism for the. I. Cisski. 2,443,601, June 22.
 - Motor control mechanism, Ratchet. W. W. Maher. 2,452,585, Nov. 2.
 - Motor control, Reel. G. Dahlgren and D. Lautenbach. 2,443,763, June 22.
 - Motor control, Single-phase. H. F. Clark. 2,447,488, Aug. 24.
 - Motor control switching system and device therefor. D. J. Bloomberg and W. O. Watson. 2,445,820, July 27.
 - Motor control, Synchronized. L. A. Dunajeff. 2,451,930, Oct. 19.
 - Motor control system. W. R. Harris. 2,451,946, Oct. 19.
 - Motor control system. W. M. Hutchison. 2,456,875, Dec. 21.
 - Motor control system. A. F. Kenyon. 2,454,183, Nov. 16.
 - Motor control system. G. E. King. 2,443,657, June 22.
 - Motor control system. G. E. King. 2,445,439, July 20.
 - Motor control system. L. G. Riley. 2,456,892, Dec. 21.
 - Motor control system. J. G. Sola. 2,445,976, July 27.
 - Reversible motor.
 - Reversible single-phase motor.
 - Rotary reaction motor.
 - Self-starting synchronous motor.
 - Self-starting synchronous electric motor.
 - Shaded pole motor.
 - Shaded-pole synchronous motor.
 - Small fractional horsepower shaded pole synchronous motor.
 - Small motor, particularly synchronous fractional horsepower motor.
 - Synchronous electric clock motor.
 - Synchronous electric motor.
 - Synchronous induction motor.
 - Synchronous motor.
 - Toy motor.
 - Two-speed single-phase motor.
 - Valved-cylinder type motor.
 - Vane type hydraulic motor.
 - Variable-speed motor.
 - Vibratory armature electromagnetic motor.
 - Windshield wiper motor.

- Motor control system, Alternating current generator fed. W. Schaeichlin and H. H. Curry. 2,439,951, Apr. 20.
- Motor control system, Electric. F. E. Crever. 2,436,203, Feb. 17.
- Motor control system, Electric. S. W. Herwald and H. M. Watson. 2,456,508, Dec. 14.
- Motor control system, Electric. K. A. Lang. 2,452,769, Nov. 2.
- Motor control system, Electric. D. E. Sunstein. 2,454,355, Nov. 23.
- Motor control system, Electrical. S. Noodleman. 2,452,784, Nov. 2.
- Motor control system, Electrical. E. L. C. White, M. G. Harker, and J. P. W. Houchin. 2,456,573, Dec. 14.
- Motor control system, Electronic. H. Nygaard. 2,454,401, Nov. 23.
- Motor control system, Follow-up. L. Hegy. 2,436,068, Feb. 17.
- Motor control system, Hoisting. E. B. Thurston. 2,451,257, Oct. 12.
- Motor control system, Plural electric. W. R. Harding. 2,454,166, Nov. 16.
- Motor control system, Reversible. K. A. Holst. 2,441,632, May 18.
- Motor control system, Traction. H. S. Ogden. 2,451,237, Oct. 12.
- Motor control system, Traction. F. H. Pritchard. 2,450,300, Sept. 28.
- Motor control system, Variable frequency continuous balance. K. Rath. 2,440,486, Apr. 27.
- Motor control system, Work and feed. G. E. King. 2,443,656, June 22.
- Motor control, Two-phase. J. H. Andresen, Jr. 2,437,064, Mar. 2.
- Motor damping circuits, Harmonic two-phase. E. H. Schmidt, Jr. 2,455,610, Dec. 7.
- Motor drive for centrifugal pumps. C. J. Bergh. 2,434,979, Jan. 27.
- Motor drive for loom letoffs, Two-speed. R. S. Schedin. 2,450,488, Oct. 5.
- Motor drive, Reversible. D. H. Graham. 2,435,440, Feb. 3.
- Motor drive system. E. W. Kellogg. 2,440,176, Apr. 20.
- Motor-driven food mixer. A. W. Seyfried. 2,455,026, Nov. 30.
- Motor-driven loom letoff, Electronically controlled. R. F. Dion. 2,450,470, Oct. 5.
- Motor driving means, Double electric. C. H. Sutherland. 2,451,990, Oct. 19.
- Motor fan blade control. E. Mooney. 2,440,519, Apr. 27.
- Motor follow-up system, Electric. M. N. Yardeny. 2,433,970, Jan. 6.
- Motor fuel. A. I. Smith. 2,456,569, Dec. 14.
- Motor fuel by alkylation with a light cracked naphtha, Manufacture of. A. R. Goldsby and L. A. Clarke. 2,439,600, Apr. 13.
- Motor fuel power induction device. W. F. Krenzke. 2,438,669, Mar. 30.
- Motor fuels and preparation thereof. W. A. Herbst. 2,434,650, Jan. 20.
- Motor fuels, Production of. S. H. McAllister and E. F. Bullard. 2,435,402, Feb. 3.
- Motor idling period control. F. J. Taft. 2,434,871, Jan. 20.
- Motor, internal combustion unit for aircrafts, Supercharged multiple. A. G. Forsyth. 2,448,789, Sept. 7.
- Motor linearly actuated, Geared. C. D. Davidson. 2,438,545, Mar. 30.
- Motor mechanism. H. E. Nietzsche. 2,452,864, Nov. 2.
- Motor mount and motor drive means for phonographs. D. W. Sweighert. 2,455,280, Nov. 30.
- Motor or compressor of the radial piston type, Multiple cylinder fluid. L. Sejarto. 2,435,611, Feb. 10.
- Motor or pump. F. A. Booth. 2,436,285, Feb. 17.
- Motor protective device. G. B. Starie. 2,456,463, Dec. 14.
- Motor, pump, and the like, Rotary fluid pressure. E. H. Johnson. 2,442,130, May 25.
- Motor reducer unit. A. Mackmann. 2,436,930, Mar. 2.
- Motor reducing drive unit, Electric. W. F. Ardussi and W. E. Walsh. 2,441,054, May 4.
- Motor reversing control, Electric. J. E. Reilly. 2,454,206-7, Nov. 16.
- Motor sled. M. Schmid. 2,450,586, Oct. 5.
- Motor speed synchronizing balancing device, Multiple. R. L. Mayraeth. 2,452,064, Oct. 26.
- Motor starting by means of capacitors, Alternating current. M. A. Hyde and R. E. Marbury. 2,436,302, Feb. 17.
- Motor steering apparatus. L. C. Bowling. 2,440,794, May 4.
- Motor structure, Submersible. C. J. Blom. 2,446,521, Aug. 10.
- Motor switch, mounting and terminal board. G. D. Willits. 2,442,227, May 25.
- Motor synchronizing schemes. S. L. Lindbeck. 2,456,966, Dec. 21.
- Motor synchronizing system, Electric. F. C. Wallace. 2,444,480, July 6.
- Motor system, Rectifier fed. P. Glass. 2,448,793, Sept. 7.
- Motor system, Self-synchronous controlled. W. C. Grabau. 2,448,025, Aug. 31.
- Motor system, Selsyn-controlled electric. J. W. Conklin. 2,434,836, Jan. 20.
- Motor system, Series generator-fed. S. A. Bohe. 2,451,909, Oct. 19.
- Motor system, Tube controlled work and feed. R. D. Junkins and A. J. Hornfeck. 2,434,854, Jan. 20.
- Motor system using voltage regulating transformer. J. G. Sola. 2,448,925, Sept. 7.
- Motor system with voltage limiting feedback. A. P. Upton. 2,446,563, Aug. 10.
- Motor to the shaft of a rotary pump, Connecting a driving. R. E. Odey. 2,445,182, July 13.
- Motor vehicle carrying case. A. Konrad. 2,455,587, Dec. 7.
- Motor vehicle control mechanism for sequentially controlling wheel braking and motor speed. G. C. Fields. 2,445,058, July 13.
- Motor vehicle door lock. G. Tonkin. 2,438,238, Mar. 23.
- Motor vehicle stabilizing means. C. C. Utz. 2,442,252, May 25.
- Motor winding. M. S. Hancock. 2,447,647, Aug. 24.
- Motor winding, Three-phase. R. C. Robinson. 2,436,331, Feb. 17.
- Motor with fluid actuated cam controlled inlet and exhaust valves, Expandable chamber. W. H. G. Stone. 2,442,101, May 25.
- Motor with manually operated brake, Hand. W. G. Barcroft and M. L. Maas. 2,440,322, Apr. 27.
- Motor with pistol grip handle and trigger actuated valve, Hydraulic. C. J. Johnson and F. E. King. 2,446,011, July 27.
- Motor with piston actuated distributing valve and manually actuated parking valve, Fluid operated. C. R. Sacchini. 2,450,564, Oct. 5.
- Motor with piston actuated distributing valve, Reciprocatory fluid pressure operated. G. H. Palm. 2,443,568, June 15.
- Motor with piston actuated valve and pressure absorbing flexible envelope in cylinder, Expandable chamber fluid. R. Burt. 2,447,311, Aug. 17.
- Motor with pistons symmetrically arranged about cams on the drive, Internal-combustion. J. B. Putnam. 2,450,912, Oct. 12.
- Motor with rotating radial cylinder block and reciprocated pistons reacting against outside annular grooved cam, Hydraulic. R. F. Horton. 2,457,100, Dec. 21.
- Motor with valved flexible piston, Expandable chamber. L. Francis. 2,455,245, Nov. 30.
- Motorcycle windshield. A. T. Comiskey, Sr. Re. 23,039, Sept. 21.
- Motoring dynamometer for engine testing. M. P. Winther. 2,445,095, July 13.
- Motors, Braking asynchronous. J. M. Girard. 2,434,919, Jan. 27.
- Mould: See—
Mold.
- Mount: See—
Picture corner mount. Subcaliber gun mount.
Mount, Adjustable push grader. R. G. Le Tourneau. 2,452,774, Nov. 2.
- Mount, Binocular. S. Johanson. 2,436,574, Feb. 24.
- Mount, Binocular. W. B. Larson. 2,444,453, July 6.
- Mount, Camera lens. I. W. Doyle. 2,456,053, Dec. 14.
- Mount, Cathode-ray tube. J. E. Gall. 2,440,260, Apr. 27.
- Mount, Electric condenser. F. O. Gillin. 2,441,809, May 18.
- Mount for binoculars. G. Kende and S. Johanson. 2,436,576, Feb. 24.
- Mount for gun sights. H. A. Williams. 2,436,948, Mar. 2.
- Mount for slide calipers, Dial indicator. L. H. Dove. 2,447,612, Aug. 24.
- Mount for warehouse trucks, Hydraulic reel. J. H. Morehead and H. D. Schmidt. 2,452,481, Oct. 26.
- Mount, Lens coupling. G. B. Montgomery. 2,440,344, Apr. 27.
- Mount, Light modulator. J. L. Pettus. 2,452,322, Oct. 26.
- Mount, Mortar. C. P. Caulkins. 2,444,334, June 29.
- Mount structure for electric lamps. W. H. Willis. 2,434,779, Jan. 20.
- Mount, Truck saddle. C. Williams. 2,436,499, Feb. 24.
- Mount, Vibration dampening. C. S. Robinson. 2,441,509-10, May 11.
- Mounting: See—
Adjustable microscope eye-piece mounting.
Antenna mounting.
Antifriction bearing mounting.
Bearing mounting.
Blade mounting, door mounting.
Bracket mounting.
Brake cylinder mounting.
Brush holder mounting.
Candle-filter mounting.
Cathode-ray device mounting.
Coil mounting.
Crankshaft mounting.
Crystal mounting.
Curtain and drape mounting.
Electrical outlet box mounting.
Excavator door mounting.
Galvanometer mounting.
Gearing mounting.
Gradebuilder blade mounting.
Gun and gunner's chair mounting.
Heel mounting.
Hinge mounting.
Impeller mounting.
Implement mounting.
Interchangeable jewel mounting.
Meter mounting.
Panel and trim mounting.
Piezoelectric crystal mounting.
Propeller mounting.
Railway coupler mounting.
Rearview mirror mounting.
Resilient mounting.
Rotary valve mounting.
Rubber mounting.
Saxophone key mounting.
Seaming roller mounting.
Seat mounting.

Mounting: *See*—Continued.

Self-aligning conveyer roll mounting.
Semirimless ophthalmic mounting.
Semirimless spectacle mounting.
Shockproof mounting.
Sink mounting.
Sliding door mounting.
Spectacle lens mounting.
Starter mounting.
Sunshade mounting.
Telescope sight mounting.
Tone arm mounting.
Mounting. F. Crocker. 2,443,343, June 15.
Mounting a roll on a shaft, Resiliently. F. L. Haushalter. 2,450,727, Oct. 5.
Mounting and connecting apparatus. W. W. Fritsch. 2,444,037, June 29.
Mounting and control means for adjustable saws. Le R. W. Sly. 2,440,158, Apr. 20.
Mounting and drive wheel suspension for motorcycles, Engine. R. A. MacGregor. 2,455,431, Dec. 7.
Mounting and operating control, Safety type vertical door. R. W. New. 2,441,503, May 11.
Mounting and operating mechanism, Window sash. R. E. Bemis. 2,449,761, Sept. 21.
Mounting and releasing mechanism, Canopy. C. C. King. 2,445,438, July 20.
Mounting arrangement for electrical equipment. T. C. Riebe. 2,438,454, Mar. 23.
Mounting assembly. C. V. Erickson. 2,447,171, Aug. 17.
Mounting attachment for electrical outlet boxes. C. W. Pallas. 2,453,535, Nov. 9.
Mounting covers on mechanism cases. F. S. Craig. 2,434,241, Jan. 13.
Mounting device, Windshield. B. G. Eaton, Jr., and R. E. Moses, Jr. 2,447,059, Aug. 17.
Mounting electrical devices. A. Helgason. 2,443,536, June 15.
Mounting element for machines or the like. R. K. Lee. 2,438,757, Mar. 30.
Mounting for and including optical refracting means and method of forming the same. A. D. Falkoff. 2,437,947, Mar. 16.
Mounting for armored vehicles, Periscope. F. S. Brackett. 2,454,268, Nov. 23.
Mounting for ball handles. H. V. Stehl. 2,448,238, Aug. 31.
Mounting for brushholders and the like, Insulating. E. O. Mueller and D. L. Gibson. 2,451,969, Oct. 19.
Mounting for electric chime signal devices. G. L. Bossard. 2,452,897, Nov. 2.
Mounting for electric motors, Brush. E. Bylund. 2,454,909, Nov. 30.
Mounting for electric motors, Nonresilient. B. F. Hammarstrom. 2,440,897, May 4.
Mounting for electronic devices. P. T. Sproul. 2,435,613, Feb. 10.
Mounting for electronic devices, Filamentary electrode. W. D. Stratton. 2,445,411, July 20.
Mounting for fan assemblies. R. K. Odor. 2,451,970, Oct. 19.
Mounting for flywheel magnetos, Stator. A. I. Alstrom. 2,433,881, Jan. 6.
Mounting for guns, Telescope. R. Carlson. 2,450,466, Oct. 5.
Mounting for inverted incandescent mantles. C. W. Davis. 2,452,438, Oct. 26.
Mounting for looms and the like, Pivot. R. A. Littlejohn. 2,447,864, Aug. 24.
Mounting for measuring instruments, Condition responsive. J. L. Edelen. 2,445,943, July 27.
Mounting for outboard motors. G. W. Martin. 2,454,972, Nov. 30.
Mounting for piezoelectric crystals. F. Gray. 2,457,145, Dec. 28.
Mounting for rear-vision mirrors. H. G. Brooks. 2,457,639, Dec. 28.
Mounting for rock drills. G. H. Fuehrer. 2,450,278, Sept. 28.
Mounting for rock drills. F. M. Slater. 2,456,745, Dec. 21.
Mounting for rotary cylinders, Riding ring. R. Bernhard. 2,449,198, Sept. 14.
Mounting for rotary switches, Butt contact. H. E. Schleicher. 2,453,161, Nov. 9.
Mounting for spinning rings and the like. G. L. Meyers and J. C. Shutt. 2,454,707, Nov. 23.
Mounting for transmission shifters. C. A. Neracher. 2,442,660, June 1.
Mounting for vacuum cleaners, Motor and fan unit. P. C. Rector. 2,454,569-70, Nov. 23.
Mounting for vehicles, Front axle. V. R. Trabucco. 2,444,386, June 29.
Mounting for vibratory bodies. P. E. Berry. 2,457,340, Dec. 28.
Mounting letters to a support, Method and device for. D. R. Hayes. 2,447,011, Aug. 17.
Mounting means for flexible strap clins. A. Robertson and D. W. Merritt. 2,434,720, Jan. 20.
Mounting means for mercury switches and relays, Electrode. H. E. Bucklen, III. 2,450,780, Oct. 5.

Mounting means more particularly for radio sockets. A. J. Schmitt. 2,441,907, May 18.
Mounting or receptacle and circuit breaker for tubes or lamps and their circuits. H. Ruesch. 2,447,365, Aug. 17.
Mounting structure for electron tubes, Electrode. W. W. Eitel and J. A. McCullough. 2,441,349, May 11.
Mounting structure for windows. R. Cadwallader. 2,449,875, Sept. 21.
Mounting system for elements of television projectors. D. W. Epstein. 2,455,476, Dec. 7.
Movable anode structure. I. B. Bensen. 2,443,021, June 8.
Movable electrode tube. W. C. Marshall. 2,439,942, Apr. 20.
Movement controlling apparatus. J. Y. Snyder. 2,443,995, June 22.
Mover, Earth. L. L. Hyler. 2,444,612, July 6.
Moving-picture projection screen. W. W. Alexander. 2,435,620, Feb. 10.
Mower attachment for tractors. W. K. Leicy. 2,457,693, Dec. 28.
Mowing machine, Lawn. G. E. Thomas. 2,451,589, Oct. 19.
Mucilage container. F. G. Blackman. 2,449,763, Sept. 21.
Mucilages and producing same, Mannogalactan. J. W. Swanson. 2,444,412, July 6.
Mucilaginous composition. A. Adams. 2,441,927, May 18.
Mucker, Mechanical. M. N. Boskovich. 2,435,669, Feb. 10.
Mud channel structure for tray type clarifiers. G. V. Malmgren. 2,443,686, June 22.
Mud mixer. J. R. Nowery. 2,447,202, Aug. 17.
Mud shield for shoe heels. C. G. Jacobsen. 2,446,285, Aug. 3.
Muff, Ear. R. E. Maxant. 2,447,078, Aug. 17.
Muffler. C. Peters. 2,449,009, Sept. 7.
Muffler. K. von Rodenstein. 2,452,972, Nov. 2.
Muffler. J. J. Thomas. 2,450,212, Sept. 28.
Muffler for internal-combustion engines. G. V. Johnson. 2,456,512, Dec. 14.
Muffler remover. D. T. Ricketts, M. O. Hoffman, and J. D. Schmunk. 2,447,960, Aug. 24.
Muffler, Wet-type water-separating steam-inhibiting exhaust. G. Wohlberg. 2,455,965, Dec. 14.
Multiarc welding. C. W. Steward and M. R. Rivenburgh. 2,437,840, Mar. 16.
Multiaxle vehicle. M. E. Wickersham and W. D. Allison. 2,446,205, Aug. 3.
Multicolor images by electric discharge, Method of and means for printing. W. C. Huebner. 2,451,288, Oct. 12.
Multicolor photographic images in a single emulsion layer, Producing. W. T. Hanson, Jr., and T. H. Farrell. 2,443,909, June 22.
Multicylinder fuel injection pump. I. J. Allen. 2,439,879, Apr. 20.
Multifocal ophthalmic lens blanks, Making. J. H. Hammon. 2,447,068, Aug. 17.
Multifrequency generating and selecting system. M. L. Doelz. 2,445,664, July 20.
Multiple blade bread slicing machines, Blade mounting. C. H. Petskeyes. 2,437,123, Mar. 2.
Multiple buck laundry press. F. Breckenridge. 2,441,184, May 11.
Multiple circuit stand lamp. P. L. Brattain. 2,449,765, Sept. 21.
Multiple clutch. L. J. Andres. 2,443,491, June 15.
Multiple connection. L. M. Seaver. 2,445,244, July 13.
Multiple contact jack. A. J. Gardenhour. 2,435,136, Jan. 27.
Multiple diameter gauge. S. G. Johnson. 2,444,702, July 6.
Multiple discharge lamp circuit. E. Lemmers. 2,438,564, Mar. 30.
Multiple drill. S. H. Stupakoff, R. E. Stark, and O. J. Henry. 2,443,655, June 22.
Multiple filament electric lamp. J. E. Athanassiades. 2,445,656, July 20.
Multiple filament incandescent lamp. L. M. Hertz. 2,441,815, May 18.
Multiple fluid proportioning pump. W. N. Fenney. 2,440,196, Apr. 20.
Multiple function switch. L. E. Ponsy. 2,453,035, Nov. 2.
Multiple furnace control. H. A. Strickland, Jr. 2,451,518, Oct. 19.
Multiple grain discharge valve device. A. Volk. 2,436,624, Feb. 24.
Multiple motor. A. R. Stone. 2,438,686, Mar. 30.
Multiple orchard burner. J. L. Breese. 2,448,656, Sept. 7.
Multiple pneumatic clutch. L. B. Lindsay. 2,452,775, Nov. 2.
Multiple press loading and/or unloading apparatus. R. T. Bowen, A. W. Head, and F. G. Lesniak. 2,438,896, Apr. 6.
Multiple range indicator. R. M. Page. 2,452,598, Nov. 2.
Multiple reciprocating blade bread slicing machines, Knife frame attaching. C. H. Petskeyes. 2,437,122, Mar. 2.
Multiple screw C clamp. H. J. Frank. 2,440,820, May 4.
Multiple selection pattern mechanism. C. F. Miller. 2,444,894, July 6.
Multiple snap gage. A. R. Burgess. 2,437,679, Mar. 16.
Multiple spark circuit. F. W. Oldelt. 2,456,076, Dec. 14.
Multiple stage thermionic valve. A. J. Maddock. 2,450,009, Sept. 28.

- Multiple switch. C. F. Gomez. 2,452,747, Nov. 2.
 Multiple transmitter units. D. L. Hings. 2,443,389, June 15.
 Multiple unit freezer cabinet. L. W. Barley. 2,449,101, Sept. 14.
 Multiplex system employing fixed pulse-time displacement for signaling. Pulse. E. M. Deloraine. 2,438,902, Apr. 6.
 Multipointed electrode. R. G. Hanneman. 2,440,370, Apr. 27.
 Multipurpose light. R. T. Sand. 2,452,327, Oct. 26.
 Multisignal transmission. L. L. Rauch. 2,445,840, July 27.
 Multisignal transmission system. M. H. Nichols and J. F. Brinster. 2,444,950, July 13.
 Multistage alkylation method. A. R. Goldsby and C. W. Watson. 2,438,852, Mar. 30.
 Multistage centrifugal pump. A. J. Harlamoff. 2,450,137, Sept. 28.
 Multistage hydrocarbon cracking process. F. W. Scheinman. 2,436,486, Feb. 24.
 Multivibrator. T. L. Dimond. 2,440,252, Apr. 27.
 Multivibrator. B. B. Jacobsen and M. M. Levy. 2,436,808, Mar. 2.
 Multivibrator, Stabilized. D. E. Kenyon. 2,441,579, May 18.
 Music box. E. Wedemeyer. 2,454,361, Nov. 23.
 Music instruction device for use with the piano. D. Grosch. 2,452,748, Nov. 2.
 Musical instrument. H. Horne. 2,452,658, Nov. 2.
 Musical instrument. A. H. Kimmons. 2,449,124, Sept. 14.
 Musical instrument, Stringed. H. G. Sloan. 2,442,181, May 25.
 Musical instrument support. W. H. Meier. 2,447,080, Aug. 17.
 Mute, Adjustable. F. Gosparlin. 2,447,939, Aug. 24.
 Mute for musical instrument. T. J. Hermes. 2,439,733, Apr. 13.
 Muzzle closure device for guns. A. E. Kramer and V. F. Lucht. 2,438,924, Apr. 6.
 Muzzle device, Shotgun. E. B. Powell. 2,447,205, Aug. 17.
 Myrcene from beta-pinene by chemical treatment and distillation, Separation of. W. D. Stallcup. 2,443,204, June 15.
 N'-acyl sulfanilamides, Preparation of. W. B. Tarpley, Jr., and A. I. Ryer. 2,454,104, Nov. 16.
 N-alkenyl phenylacetamides. O. K. Behrens and Q. F. Soper. 2,449,192, Sept. 14.
 N-alkyl acrylamides, Preparing. J. G. Erickson. 2,451,436, Oct. 12.
 N-alkyl diethanolamines, Preparation. W. F. Gresham. 2,451,942, Oct. 19.
 N-alkyl polymeric amic acids and coating compositions containing them. M. E. Cuperly. 2,456,177, Dec. 14.
 N-alkyl thiamorpholines and derivatives. J. B. Niederl and W. F. Hart. 2,439,749, Apr. 13.
 N-alkylated aminoanthraquinones, Production of. A. V. Erkkila and R. C. Hoare. 2,443,899, June 22.
 N-arylthiazolium quaternary salts, Preparing. L. G. S. Brooker. 2,441,558, May 18.
 N-benzyl-N-myristyl morpholinium halides. J. B. and V. Niederl and M. E. McGreal. 2,437,833, Mar. 16.
 N (8-hydroxy ethyl)-tetraiodophthalimide. W. H. Strain and J. Dec. 2,451,637, Oct. 19.
 N-dihydroxypropyl phenylacetamide. O. K. Behrens and J. W. Corse. 2,449,194, Sept. 14.
 N'-dodecanoylsulfanilamides. M. E. Hultquist and E. H. Northey. 2,456,051, Dec. 14.
 N (ethyl mercury) para-toluene sulfonanilide and making same. D. F. Mowery, Jr. 2,452,595, Nov. 2.
 N-formylisopropylidene penicillamine. Resolution of. W. M. Duffin and S. Wilkinson. 2,450,784, Oct. 5.
 N-4 (quinazoline) amino benzoyl glutamic acid. S. Avakian and G. J. Martin. 2,440,649, Apr. 27.
 N-isopropyl-methacrylamide, Production of. J. G. Lichty. 2,448,991, Sept. 7.
 N-substituted, 2-butene-1,4-diamines, and preparing. G. H. Morey. 2,440,724, May 4.
 N-sulfodicarboxylic acid aspartates. K. L. Lynch. 2,438,092, Mar. 16.
 N-methyl aniline, Making. E. C. Hughes. 2,455,931, Dec. 14.
 N-monoformyl-N,N'-di-substituted ethylenediamines. F. B. Zienty. 2,453,057, Nov. 2.
 N,N'-Bis (3-diethylaminopropylamide) of dibasic aliphatic acids. L. C. Behr and R. S. Schreiber. 2,438,200, Mar. 23.
 N,N dibutyl phenethylamine, Production of. J. D. Danforth. 2,449,644, Sept. 21.
 N,N-dimethyl-n'-benzyl-n'-(2-thiazolyl)-ethylene-diamines. C. W. Sondern and P. J. Breivogel. 2,440,703, May 4.
 N-propyl diaminodiphenylsulfone and obtaining same. A. L. Rawlins. 2,454,835, Nov. 30.
 N-substituted furfurylamines, Production of. E. F. Smith. 2,447,823, Aug. 24.
 N-substituted 1-butene-3,4-diamines and preparing them. G. H. Morey. 2,441,669, May 18.
 N-substituted pantoyl amides. W. Shive and E. E. Snell. Re. 23,063, Dec. 14.
 N-substituted pantoyl amides. W. Shive and E. E. Snell. 2,446,615, Aug. 10.
 N-tertiary alkyl amides and preparing same. W. F. Gresham and W. E. Grigsby. 2,457,660, Dec. 28.
 Nail driver, Pneumatic. W. E. Kendall. 2,445,674, July 20.
 Nail driving attachment for pneumatic hammers. C. D. Raybourn. 2,449,860, Sept. 21.
 Nail file. A. Silverman. 2,450,207, Sept. 28.
 Nail holding tool. P. Siptrott. 2,452,332, Oct. 26.
 Nail polish mask. N. D. Pettyjohn. 2,454,004, Nov. 16.
 Nail puller. C. W. Reynolds. 2,453,037, Nov. 2.
 Nail sealing washer. R. L. Holcomb. 2,439,516, Apr. 13.
 Nail stripper. E. J. Foote. 2,443,498, June 15.
 Nailing device. P. L. Bridgroom. 2,436,161, Feb. 17.
 Nailing device and nails inserted thereby. M. Vogel. 2,438,793, Mar. 30.
 Nailing machine. G. E. Stilwell and G. C. Paxton. 2,456,221, Dec. 14.
 Naphthalene by distillation, Refining of. B. J. C. van der Hoeven. 2,440,707, May 4.
 Naphthalene, Conditioned. H. G. Guy. 2,445,776, July 27.
 Naphthenic hydrocarbons, Purification of. A. E. Hirschler. 2,448,488, Aug. 31.
 Napkin holder. W. J. Liseak. 2,454,517, Nov. 23.
 Napkin holder. J. H. Solomon. 2,435,104, Jan. 27.
 Nasal filter. C. L. McGovney. 2,448,724, Sept. 7.
 Natural axes of quartz crystal sections, Method of and apparatus for locating the direction of. G. W. Willard. 2,439,836, Apr. 20.
 Natural gums or resins, Blanching. L. R. Van Allen. 2,455,199, Nov. 30.
 Navigation, Aircraft. R. C. Sanders, Jr. 2,444,171, June 29.
 Navigation computer, Plotting aircraft. G. E. Tardif. 2,449,342, Sept. 14.
 Navigation instrument. G. T. De Vries. 2,433,984, Jan. 6.
 Navigation instrument, Calculating and aerial. W. D. Cockrell. 2,455,902, Dec. 7.
 Navigation instrument, Geometrical. J. P. Putnam. 2,446,433, Aug. 3.
 Navigation system, Radio. P. F. G. Holst and L. R. Kirkwood. 2,442,692, June 1.
 Navigation system, Radio-frequency. W. J. O'Brien. 2,440,755, May 4.
 Navigational director, Automatic. R. E. Jasperson. 2,444,933, July 13.
 Navigational instrument. H. L. Reilly, F. H. Scrimshaw, and A. G. Bone. 2,454,007, Nov. 16.
 Navigational method and apparatus. J. Neufeld. 2,444,578, July 6.
 Neck and ear protector. L. Bills. 2,446,122, July 27.
 Necktie. B. Greenberg. 2,448,307, Aug. 31.
 Necktie. A. F. Taborski. 2,440,880, May 4.
 Necktie. A. F. Taborski. 2,453,733, Nov. 16.
 Necktie accessory. J. M. Walsh. 2,456,848, Dec. 21.
 Necktie accessory. C. E. Wiebe. 2,444,548, July 6.
 Necktie and collar attachment. W. Kopp. 2,443,533, June 15.
 Necktie, Bow. S. Semmel. 2,441,448, May 11.
 Necktie forming device. J. J. Dorkin. 2,450,471, Oct. 5.
 Necktie holder. V. T. Howard. 2,454,177, Nov. 16.
 Necktie holder. W. Schwiering. 2,440,024, Apr. 20.
 Necktie holder. F. J. Ulrich. 2,434,821, Jan. 20.
 Necktie machine. M. M. Newman. 2,450,906, Oct. 12.
 Necktie securing device. H. R. Birdsell. 2,449,539, Sept. 21.
 Necktie trick contrivance. H. Rifas. 2,441,546, May 11.
 Neckties, Making. J. Weisbaum. 2,441,654, May 18.
 Neckwear. S. Engler. 2,442,235, May 25.
 Needle. W. J. Schulz. 2,441,171, May 11.
 Needle and making same, Knitting machine. R. C. Amidon. 2,436,371, Feb. 24.
 Needle cam for circular knitting machines. H. L. Curtis and G. H. McKinley. 2,435,269, Feb. 3.
 Needle, Compound knitting. D. Marinsky. 2,456,718, Dec. 21.
 Needle felts, Making. C. S. Francis, Jr. 2,437,689, Mar. 16.
 Needle holder and sterilizer. F. F. Gunther. 2,454,602, Nov. 23.
 Needle, Hosiery reknitting. B. Georgi. 2,446,225, Aug. 3.
 Needle, Hypodermic. M. L. Lockhart. 2,448,898, Sept. 7.
 Needle, Incision. I. Kallenbach. 2,457,379, Dec. 28.
 Needle, Knitting. R. F. Howe. 2,439,622, Apr. 13.
 Needle, Knitting. A. C. Kendig and L. Spencer. 2,444,102, June 29.
 Needle, Knitting-machine. J. Fontaine. 2,441,662, May 18.
 Needle, Phonograph. W. H. Hutter. 2,452,304, Oct. 26.
 Needle, Scarifying and inoculating. L. H. Thompson. 2,445,010, July 13.
 Neohexane, Production of. B. L. Evering and E. L. d'Ouville. 2,443,608, June 22.
 Neoprene, Vulcanization of. P. F. Niessen. 2,455,697, Dec. 7.
 Nepelometer for assaying penicillin. F. H. Johnson. 2,436,145, Feb. 17.
 Nest, Hen marking. M. E. Bowers. 2,446,208, Aug. 3.
 Nest, Poultry. M. Torie. 2,447,826, Aug. 24.
 Nest structure. W. R. Whitfield. 2,448,202, Aug. 31.
 Net, Fish. C. E. Fisher. 2,441,015, May 4.
 Net for buildings, Fire. A. Jones. 2,450,595, Oct. 5.
 Network, Data smoothing. D. C. Bomberger, C. A. Lovell, H. G. Och, K. D. Swartzel, and B. T. Weber. 2,435,195, Feb. 3.

- Network, Electrical. J. A. Hipple, Jr. 2,451,950, Oct. 19.
- Network, Electrical bridge. T. Baclawski. 2,450,930, Oct. 12.
- Network, Matching. A. Alford. Re. 22,993, Apr. 20.
- Network, Time-delay. M. J. Di Toro. 2,454,865, Nov. 30.
- Network, Time-delay. M. J. Di Toro. 2,457,212, Dec. 28.
- Networks, Modulation. E. K. Stodola. 2,448,558, Sept. 7.
- Neuropathic aid. O. S. Caesar. 2,440,894, May 4.
- New metal salts of organic phosphines and making the same. C. Walling. 2,437,797, Mar. 16.
- New secondary organic phosphorus halides and making the same. C. Walling. 2,437,798, Mar. 16.
- Newspaper receptacle. A. E. Mitchell. 2,443,690, June 22.
- Nickel chromium tungsten composite metal body and making same. C. E. Ransley and S. V. Williams. 2,455,804, Dec. 7.
- Nickel content of steel, Determining. F. B. Clardy. 2,452,036, Oct. 26.
- Nickel electrode for welding cast iron. T. E. Kihlgren. 2,444,654, July 6.
- Nickel, Electrolytic refining of. A. M. Gronningsaeter and B. G. Hommeren. 2,450,426, Oct. 5.
- Nickel from idle nickel electroplating baths and the production of an iron-nickel master alloy, Recovery of. A. Wesley and E. J. Roehl. 2,442,628-9, June 1.
- Nickel-impregnated clay catalyst and making same. A. Voornies, Jr., and W. E. Spicer. 2,450,317, Sept. 28.
- Nicking machine, Billet. A. H. Yoch and W. W. Rice, Jr. 2,457,337, Dec. 28.
- Nicotinamide, Preparing. J. van de Kamp and M. Tishler. 2,435,809, Feb. 10.
- Nicotinamide, Producing. H. R. Rosenberg. 2,446,957, Aug. 10.
- Nicotinic acid from dilute solutions, Recovery of. R. T. Dean, V. L. King, and N. A. Laury. 2,447,234, Aug. 17.
- Nicotinonitrile into nicotinamide, Converting. J. F. Couch and C. F. Krewson. 2,453,496, Nov. 9.
- Nipple for bottles, Nursing. J. W. Less. 2,442,656, June 1.
- Nipples, Nursing. G. W. Goodson. 2,443,560, June 15.
- Nitrated estrogenic hormones. J. B. Niederl. 2,438,819, Mar. 30.
- Nitrating organic compounds. V. R. Kokatnur. 2,435,314, Feb. 3.
- Nitration apparatus. J. B. Castner. 2,438,204, Mar. 23.
- Nitration of alcohols. A. E. W. Smith, C. W. Scaife, and H. Baldock. 2,453,942, Nov. 16.
- Nitration product of a hydroxy amide. W. F. Filbert. 2,449,843, Sept. 21.
- Nitratocalcyl amides. W. F. Filbert. 2,443,903, June 22.
- Nitrating. C. F. Floe. 2,437,249, Mar. 9.
- Nitrating process. A. L. Feild. 2,452,915, Nov. 2.
- Nitrile-producing method. R. H. Potts. 2,448,275, Aug. 31.
- Nitriles. P. J. Flory. 2,451,012, Oct. 19.
- Nitriles from certain olefins and HCN, Production of. C. R. Harris and W. W. De Atley. 2,455,995, Dec. 14.
- Nitriles, Manufacture of. W. Kaplan. 2,444,828, July 6.
- Nitriles, Preparation of. N. M. Bortnick. 2,455,651, Dec. 7.
- Nitriles, Production of. H. P. Caldwell, Jr., and H. D. Chapman. 2,450,632, Oct. 5.
- Nitriles, Production of. W. I. Denton and R. B. Bishop. 2,450,636-8, Oct. 5.
- Nitriles, Production of. W. I. Denton and R. B. Bishop. 2,450,640-2, Oct. 5.
- Nitriles, Production of. M. M. Marisic, W. I. Denton, and R. B. Bishop. 2,450,675-6, Oct. 5.
- Nitriles, Production of. M. M. Marisic, W. I. Denton, and R. B. Bishop. 2,450,678, Oct. 5.
- Nitriles, Production of unsaturated. W. A. Schulze and J. E. Mahan. 2,447,600, Aug. 24.
- Nitriles, Stabilization of unsaturated. K. E. Marple and B. Borders. 2,455,689, Dec. 7.
- Nitriles, Synthesis of. W. F. Gresham. 2,452,187, Oct. 26.
- Nitroalcohol esters of acrylic acid and interpolymers produced from the same. G. F. D'Alelio and J. W. Underwood. 2,449,804, Sept. 21.
- Nitroalkyl cyclic amines, Making. M. Senkus. 2,447,821, Aug. 24.
- Nitro amines and preparing same. H. G. Johnson. 2,447,653, Aug. 24.
- Nitro aromatic amines as insecticides, Substituted. W. F. Hester and W. E. Craig. 2,434,564, Jan. 13.
- Nitro azo compounds, Preparing. E. F. Degering and C. F. Feasley. 2,441,800, May 18.
- Nitrocellulose from nitrating solution, Extraction of. E. E. Litkenhous. 2,446,541, Aug. 10.
- Nitrogen atmosphere, Producing a. G. J. Maxson. 2,450,975, Oct. 12.
- Nitrogen base mixtures, Resolution of. K. H. Engel. 2,456,773, Dec. 21.
- Nitrogen substituted polyamides, Making. W. W. Watkins. 2,443,486, June 15.
- Nitrogen tetroxide, Obtaining. G. W. Batchelder and A. W. Hawkins. 2,450,105, Sept. 28.
- Nitrogenous diacyl-glycero phosphates. W. G. Rose. 2,436,699, Feb. 24.
- Nitrohydroxy compounds, Production of. H. B. Haas and J. F. Bourland. 2,456,585, Dec. 14.
- Nitromethane-acetone-adipic acid condensation polymer. A. Johnson. 2,444,827, July 6.
- Nitroparaffin modified aminoplasts. M. J. Scott. 2,457,404, Dec. 28.
- Nitroparaffins, Production of. N. Levy, C. W. Scaife, and D. S. T. Bryson. 2,455,425, Dec. 7.
- Nitrosulfones. G. D. Buckley. 2,447,974, Aug. 24.
- Nitrosyl halide addition products of allyl-type olefinic higher hydrocarbons. L. J. Beckham. 2,435,570, Feb. 10.
- Noise control or reproduced sound, Method and apparatus for. H. F. Olson and J. Preston. 2,457,712, Dec. 28.
- Noise eliminator, Electronic. R. K. Vermillion. 2,450,818, Oct. 5.
- Noiseless rudder post bearing. E. S. Aker. 2,448,651, Sept. 7.
- Nonactinic fluorescent lamp. L. Burns. 2,452,518, Oct. 26.
- Noncombustibles from fuel gas, Removing. J. W. Latchum, Jr. 2,448,719, Sept. 7.
- Nondiffusing 1-phenyl-5-pyrazolone couplers for color photography. W. Zeh, K. Bitterfeld, W. Schneider, and A. Fröhlich. 2,437,063, Mar. 2.
- Nonferrous alloy. C. O. Prest. 2,438,863, Mar. 30.
- Nonfoaming compositions. G. H. B. Davis and J. C. Zimmer. 2,435,206, Feb. 3.
- Nonfoaming compositions and making same. G. H. B. Davis and J. C. Zimmer. 2,435,205, Feb. 3.
- Nonhide cutting fleshing tool. C. W. Cudice. 2,450,502, Oct. 5.
- Nonmetallic bodies, Metallizing. L. Pessel. 2,456,082, Dec. 14.
- Nonmetallic mine. J. J. Taylor and P. M. Ross. 2,438,307, Mar. 23.
- Nonmetallic paste or similar tube. H. L. Miller. 2,434,505, Jan. 13.
- Nonmetallic plastic garment support. L. M. Hrachovina. 2,440,951, May 4.
- Nonmicaceous, water-insoluble alkaline-earth metal salt minerals, Concentration of. R. B. Booth and J. E. Carpenter. 2,442,455, June 1.
- Nonoverhaul apparatus for hydraulic systems. H. W. Link. 2,440,961, May 4.
- Nonporous polytetrafluoroethylene articles, Preparation of. J. Alfthan. 2,440,190, Apr. 20.
- Nonpositional line signal. J. G. Mitchell. 2,450,441, Oct. 5.
- Nonpulsating internal-combustion heater. H. J. De N. McCollum. 2,452,780, Nov. 2.
- Nonremovable transparent identification band with a tag therein. J. R. Smiley. 2,449,181, Sept. 14.
- Nonskid device. F. G. Rosene. 2,454,407, Nov. 23.
- Nonskid device. C. E. Russell. 2,450,691, Oct. 5.
- Nonskid device applicator and remover. D. F. Miller and F. Puslecki. 2,456,438, Dec. 14.
- Nonskid device for crutches and the like. S. H. Richards. 2,449,509, Sept. 14.
- Nonskid device for shoes. B. With. 2,437,143, Mar. 2.
- Nonskid device for tires. G. T. Prevost and J. M. Downes. 2,437,040, Mar. 2.
- Nonskid tire chain. W. F. Karstens. 2,453,325, Nov. 9.
- Nonslip device for footwear. C. T. Harvey. 2,445,353, July 20.
- Nonspill vent for storage batteries. J. L. Woodbridge. 2,437,145, Mar. 2.
- Nordihydroxyaracetic acid from plant extracts, Recovery of. O. Givold. 2,444,346, June 29.
- Normal ammonium fluoride to ammonium bifluoride, Converting. F. M. McClenahan. 2,446,484, Aug. 3.
- Nose for spot welding tips, Replaceable. T. M. Haynes. 2,437,740, Mar. 16.
- No-twist self-locking coupling. F. Jacobson. 2,454,557, Nov. 23.
- Novel spectacle frame. F. A. Biasi. 2,442,483, June 1.
- Novelty rotary display stand. B. Haase. 2,447,751, Aug. 24.
- Nozzle adaptor for faucets and the like. S. M. Kass. 2,442,496, June 1.
- Nozzle and filter, Combined injector. J. F. Hoffer. 2,445,269, July 13.
- Nozzle arrangement for combustion chambers of jet propulsion apparatus, Liquid-cooled. I. Lubbock. 2,453,378, Nov. 9.
- Nozzle, Blowpipe. P. R. Aronson. 2,444,487, July 6.
- Nozzle control, Sand blast. W. A. Rich. 2,449,672, Sept. 21.
- Nozzle, Discharge. A. P. Arno. 2,449,541, Sept. 21.
- Nozzle, Fire hose. D. Brown. 2,457,526, Dec. 28.
- Nozzle, Fog. H. L. Corwin. 2,441,565, May 18.
- Nozzle for directing heated air to windshields. G. R. Wallen and H. R. Trausneck. 2,434,340, Jan. 13.
- Nozzle for internal-combustion engines, Injection. W. Voit. 2,439,832, Apr. 20.
- Nozzle for use in welding, Cooling. R. C. Gupton. 2,449,220, Sept. 14.
- Nozzle for using pressure under liquids. C. Allen. 2,442,991, June 8.
- Nozzle, Friction. J. de la Roza, Sr. 2,452,555, Nov. 2.
- Nozzle, Fuel atomizing. W. O. Lum. 2,439,257, Apr. 6.
- Nozzle, Fuel injection. E. M. Fisk. 2,434,151, Jan. 6.
- Nozzle having fluid valve operated simultaneously with seal in flue, Flue washing. F. W. Smith. 2,450,308, Sept. 28.
- Nozzle holder. E. C. Rumsey. 2,449,719, Sept. 21.

- Nozzle portion to the body portion of collapsible tubular containers, Securing. O. J. Bruun. 2,434,832, Jan. 20.
- Nozzle, Sandblast. G. F. Pettinos. 2,440,643, Apr. 27.
- Nozzle, Sand blasting. J. M. Gerlach. 2,440,334, Apr. 27.
- Nozzle, Sanding. J. D. Savercool. 2,451,878, Oct. 19.
- Nozzle, Self-closing filling. J. Muller. 2,434,428, Jan. 13.
- Nozzle, Shot blasting. J. O. Almen. 2,439,032, Apr. 6.
- Nozzle, Spray. E. B. Cline. 2,451,071, Oct. 12.
- Nozzle, Spray. A. C. Rowley. 2,434,721, Jan. 20.
- Nozzle, Spray. H. L. Rowell. 2,435,605, Feb. 10.
- Nozzle, Sprinkler. N. Hertel. 2,434,767, Jan. 20.
- Nozzle, Syringe. J. R. Stafford. 2,442,573, June 1.
- Nozzle with automatic cutoff, Dispensing. D. Biermann. 2,456,044, Dec. 14.
- Nozzle with fluid pressure-operated safety valve, Telescoping dispensing. A. R. Bink. 2,437,589, Mar. 9.
- Nuclear-chlorinated bis-phenols by steam distillation, Purifying. L. F. Reuter. 2,455,703, Dec. 7.
- Nuclear halogenated 4,4'-bis-(alkenyl carbonato) diphenyl alkanes and polymers thereof. J. A. Bralley and F. B. Pope. 2,455,652, Dec. 7.
- Nursery toilet seat. H. K. Middleton. 2,446,381, Aug. 3.
- Nursing bottle attachment. R. V. Lloyd. 2,438,066, Mar. 16.
- Nursing bottle holder. N. W. Guden. 2,452,749, Nov. 2.
- Nursing bottle holder. M. H. and P. T. Love. 2,451,846, Oct. 19.
- Nursing bottle holder. C. W. Mott. 2,448,189, Aug. 31.
- Nursing bottle holder. C. Tubiolo. 2,444,585, July 6.
- Nursing unit. A. M. Allen. 2,448,569, Sept. 7.
- Nursing unit with retractable container therefor. A. M. Allen. 2,446,451, Aug. 3.
- Nut. E. A. Green. 2,440,944, May 4.
- Nut-assembling machine. K. Eisele. 2,436,858, Mar. 2.
- Nut blanks or the like, Making. R. L. Wilcox. 2,436,342, Feb. 17.
- Nut, Coupling. N. A. Jones. 2,449,121, Sept. 14.
- Nut, Lock. S. Bloomfield. 2,439,415, Apr. 13.
- Nut, Lock. O. D. Gray. 2,443,614, June 22.
- Nut lock. G. R. Micuta. 2,435,012, Jan. 27.
- Nut, Lock. R. Mitchell. 2,437,751, Mar. 16.
- Nut, Lock. J. R. Reyburn and L. Kuhn. 2,445,125, July 13.
- Nut, Lock. H. B. Rudd. 2,445,696, July 20.
- Nut, Lock. R. W. Smith. 2,439,191, Apr. 6.
- Nut, Lock. J. M. Summers. 2,438,077, Mar. 16.
- Nut lock construction. W. R. McKenzie. 2,448,902, Sept. 7.
- Nut, Self-locking. J. F. Kendrick. 2,439,253, Apr. 6.
- Nut, Self-locking. J. A. Sauer. 2,450,694, Oct. 5.
- Nutcracker with an adjustable sliding jaw. W. M. Gallagher. 2,454,601, Nov. 23.
- Nutcracker with reciprocating jaw, Hand operated. E. L. Daniel. 2,444,634, July 6.
- Nutrient, Producing corn steep. R. P. Myers and M. L. Speck. 2,448,680, Sept. 7.
- Nut-shelling machine. E. P. Leonard. 2,454,660, Nov. 23.
- Nylon fabrics elastic by treatment with formaldehyde, Making. A. K. Schneider. 2,441,085, May 4.
- o: o-dihydroxy azo dyestuffs and making same. A. Conzett. 2,447,163, Aug. 17.
- Oarlock support. C. H. Kearny. 2,456,637, Dec. 21.
- Object detecting and locating system. R. H. Varlen, W. W. Hansen, and J. R. Woodyard. 2,435,615, Feb. 10.
- Object lifting and moving jack. W. E. Evans. 2,439,288, Apr. 6.
- Objective having a simple divergent component air spaced between two compound convergent components, Modified optical. A. Cox. 2,449,769, Sept. 21.
- Objective of low index glass with negative components of high curvature. M. Reiss. 2,455,808, Dec. 7.
- Obturator for ordnance. A. Crossley. 2,444,633, July 6.
- Octa-chloro-biphenyl quinone. F. D. Smith. 2,449,088, Sept. 14.
- Offset clamping connector. M. Thomas. 2,442,103, May 25.
- Oil addition agents, Lubricating. W. J. Sparks and D. C. Field. 2,451,048, Oct. 12.
- Oil additives, Lubricating. C. M. Himel and G. C. Bailey. 2,439,734, Apr. 13.
- Oil-bath tin-plate flowing apparatus and the like. G. E. Stoltz. 2,434,599, Jan. 13.
- Oil burner. D. C. Breault. 2,450,418, Oct. 5.
- Oil burner. E. F. Schwander. 2,440,491, Apr. 27.
- Oil burner apparatus, Dual firing rate. R. M. Cochrane. 2,451,661, Oct. 19.
- Oil burner-delayed-action valve. J. A. Logan. 2,451,681, Oct. 19.
- Oil burner for tobacco drying and curing means. W. B. Dowless. 2,444,814, July 6.
- Oil burner system comprising a vaporizing block. T. H. Smoot. 2,447,373, Aug. 17.
- Oil burner with unbalanced air supply, Open pot. L. D. Mills. 2,453,029, Nov. 2.
- Oilcan and other drip-feed liquid containers. M. Anderson. 2,442,392, June 1.
- Oil centrifuge with plural concentric separating zones. B. C. Rundquist. 2,450,737, Oct. 5.
- Oil composition. J. I. Wasson and C. J. Wilson. 2,438,468, Mar. 23.
- Oil composition. J. C. Zimmer and R. Rosen. 2,449,631, Sept. 21.
- Oil composition and making same, Drying. E. Hazlehurst. 2,446,652, Aug. 10.
- Oil composition, Cutting. J. C. Showalter. 2,438,461, Mar. 23.
- Oil composition, Grinding. E. C. Hughes and F. Veatch. 2,453,708-10, Nov. 16.
- Oil composition, Lubricating. E. S. Blake. 2,438,599, Mar. 30.
- Oil composition, Mineral. G. H. S. Snyder, R. V. White, J. H. Bishop, and J. F. Socolofsky. 2,436,272, Feb. 17.
- Oil composition, Soluble. R. M. Koppenhoefer. 2,456,587, Dec. 14.
- Oil compositions containing polymerized allyl esters of carboxylic acids, Lubricating. R. G. Larsen and K. E. Marple. 2,441,023, May 4.
- Oil compositions, Emulsifiable soluble. N. E. Lemmon and F. W. Schuessler. 2,436,046, Feb. 17.
- Oil compositions, Penetrating. L. D. Gittings. 2,448,093, Aug. 31.
- Oil compound. S. J. Wayo. 2,440,991, May 4.
- Oil, Compounded lubricated. J. P. McDermott. 2,436,589, Feb. 24.
- Oil, Compounded lubricating. J. G. McNab and D. T. Rogers. 2,451,345-6, Oct. 12.
- Oil, Compounded lubricating. L. A. Mikeska. 2,443,264, June 15.
- Oil control valve. H. T. Booth. 2,435,338, Feb. 3.
- Oil cooler construction. J. C. Shaw. 2,442,180, May 25.
- Oil desalting technique. J. E. Seebold. 2,440,617, Apr. 27.
- Oil dilution and primer system for internal-combustion engines. E. A. Sherrill. 2,457,739, Dec. 28.
- Oil emulsion treater. G. E. Dake and J. A. Lyne. 2,449,738, Sept. 21.
- Oil filter cartridge, Repackable adjustable. C. M. Bolserr. 2,453,405, Nov. 9.
- Oil filter screen. G. van Doehren. 2,437,008, Mar. 2.
- Oil filtering apparatus. J. F. Werder. 2,441,681, May 18.
- Oil for industrial purposes and manufacture thereof. H. M. Guinot and A. Courtier. 2,439,729, Apr. 13.
- Oil from oil shale by use of superheated steam, Method and apparatus for educting. R. J. Shaw. 2,434,815, Jan. 20.
- Oil from shale by utilizing hot spent shale, Method and apparatus for educting. C. H. O. Berg. 2,441,386, May 11.
- Oil gauge. R. M. Heintz. 2,436,212, Feb. 17.
- Oil, High capillarity lubricating. J. D. Morgan. 2,446,944, Aug. 10.
- Oil, Hydrocarbon fuel. W. A. Proell. 2,437,041, Mar. 2.
- Oil in bead forming tower, Circulation of. P. D. Valas. 2,442,387, June 1.
- Oil-in-water emulsions, Production of. A. B. Steiner. 2,455,820, Dec. 7.
- Oil, Lubricating. D. B. Gillett. 2,436,565, Feb. 24.
- Oil, Lubricating. R. F. McCleary. 2,440,375, Apr. 27.
- Oil, Lubricating. R. F. McCleary and S. M. Roberts. 2,451,037, Oct. 12.
- Oil, Method of and apparatus for filtering. U. B. Bray and J. K. Russell. 2,435,734, Feb. 10.
- Oil, Method of and apparatus for treating. U. B. Bray and J. K. Russell. 2,435,707, Feb. 10.
- Oil pan and internal engine cleaner, Combination. A. Adams. 2,437,013, Mar. 2.
- Oil, Preparation of lubricating. R. S. Vose. 2,435,483, Feb. 3.
- Oil, Producing. J. A. Zublin. 2,434,239, Jan. 6.
- Oil, Producing nonbreak. J. L. Jakobsen. 2,448,434, Aug. 31.
- Oil, Production of synthetic isoparaffinic. A. C. Byrns. 2,435,708, Feb. 10.
- Oil prospecting method. W. J. Sweeney. 2,449,627, Sept. 21.
- Oil pump. J. D. Gleitz. 2,447,853, Aug. 24.
- Oil purification, Method of and apparatus for. F. L. Gerin. 2,440,680, May 4.
- Oil purifier. M. V. Thornton. 2,447,144, Aug. 17.
- Oil purifying system for vacuum pumps. T. A. La Brecque and A. W. Skoog. 2,451,098, Oct. 12.
- Oil refilling device. C. G. Vokes and A. H. Fowler. 2,450,700, Oct. 5.
- Oil-refining foldable pack. A. R. White. 2,453,952, Nov. 16.
- Oil regulator test stand. C. J. Snider. 2,450,922, Oct. 12.
- Oil-ring and flood-lubricated bearing. J. V. Tercho. 2,439,955, Apr. 20.
- Oil, Rubber-reclaiming. C. H. Campbell and R. W. Ostermayer. 2,447,733-2, Aug. 24.
- Oil seal. A. M. Chambers, Jr. 2,434,484-5, Jan. 13.
- Oil seal. A. G. C. Nehls. 2,435,943, Feb. 10.
- Oil seal. W. I. Tawes. 2,434,183, Jan. 6.
- Oil seal, High-speed. J. L. Biggs. 2,447,930, Aug. 24.
- Oil separator. J. I. Morrison. 2,446,882, Aug. 10.
- Oil shale, Stage eduction of. P. H. Jones. 2,435,746, Feb. 10.
- Oil soluble dialkyl phosphoric acids, Manufacture of. H. G. Smith and T. L. Cantrell. 2,441,295, May 11.
- Oil-soluble sulfonates, Preparing. N. E. Lemmon. 2,448,184, Aug. 31.
- Oil substances, Fractional separation of fatty. W. P. Gee. 2,450,235, Sept. 28.
- Oil, Synthetic drying. F. P. Otto. 2,443,079, June 8.
- Oil system for engines, Scavenging. D. Gregg and H. T. Ramsey. 2,453,217, Nov. 9.
- Oil system with pump priming arrangement, Turbine. B. Sheppard. 2,440,980, May 4.

- Oil temperature control valve. J. C. Shaw. 2,444,711, July 6.
- Oil temperature controlling apparatus for pusher type airplanes. D. B. Suggs. 2,434,085, Jan. 6.
- Oil temperature regulator. W. H. Geddes and P. W. Schanke. 2,449,696, Sept. 21.
- Oil thief. A. J. Junge. 2,447,861, Aug. 24.
- Oil thrower and crankpin lubricating device. Crankcase. F. G. Hobart. 2,449,227, Sept. 14.
- Oil well packer. W. E. Scoville, Jr. 2,449,514, Sept. 14.
- Oil well pump. A. C. McGovney. 2,435,179, Jan. 27.
- Oil well pump. D. W. Pryor. 2,435,407, Feb. 3.
- Oiler, Air-line. R. D. Snyder. 2,439,910, Apr. 20.
- Oiler, Flange. W. E. Burrell. 2,441,685, May 18.
- Oiler for internal-combustion engines, Top cylinder. W. A. Maclay. 2,457,389, Dec. 28.
- Oiler, Stock. L. A. Wedeking. 2,438,731, Mar. 30.
- Oiling. C. W. Madsen. 2,443,143, June 8.
- Oiling device. C. W. Merriam, Jr. 2,435,596, Feb. 10.
- Oiling sheet metal, Method and apparatus. G. A. Kaufman. 2,437,606, Mar. 9.
- Oils and greases obtained by pyrolysis of tetrafluoroethylene-olefin copolymers. R. M. Joyce, Jr. 2,436,069, Feb. 17.
- Oils and manufacture, Solidified. A. Beerbower and H. A. Ricards, Jr. 2,455,649, Dec. 7.
- Oils, Catalytic cracking and refining of hydrocarbon. C. W. Tyson. 2,436,622, Feb. 24.
- Oils, Conversion of hydrocarbon. J. Delattre-Seguy. 2,444,131, June 29.
- Oils, Conversion of hydrocarbon. W. J. Sweeney. 2,436,618, Feb. 24.
- Oils, Cylinder. L. Salz and S. P. Marley. 2,443,585, June 15.
- Oils, Desulfurization of. B. L. Evering, A. P. Lien, and J. M. Page, Jr. 2,450,588, Oct. 5.
- Oils, Dibasic acid drying. L. D. Myers and V. J. Muckersheide. 2,440,667, Apr. 27.
- Oils, Distillation of acid-treated. M. C. K. Jones and E. C. Eulhardt. 2,455,679, Dec. 7.
- Oils, Emulsifiable. R. A. Kaberg and J. S. Harris. 2,447,475, Aug. 17.
- Oils, Fractionation of marine. L. O. Buxton. 2,434,789, Jan. 20.
- Oils from acid sludges resulting from the sulfuric acid purification of coal tar distillates, Making. H. L. Allen and G. J. Skriver. 2,449,098, Sept. 14.
- Oils from plants, Making scenting essential. A. Brasch. 2,457,203, Dec. 28.
- Oils, Hydrobleaching glyceride. W. J. Paterson. 2,437,706, Mar. 16.
- Oils, Lubricating. B. H. Lincoln, G. D. Byrkit, and W. L. Steiner. 2,441,496, May 11.
- Oils, Purifying. R. B. Perkins, Jr. 2,447,530, Aug. 24.
- Oils, Refining lubricating. H. L. Ellender. 2,451,025, Oct. 12.
- Oils, Refining of lubricating. P. M. Waddill. 2,443,970, June 22.
- Oils, Sulfurized. B. H. Lincoln and W. L. Steiner. 2,433,853, Jan. 6.
- Oils, Synthetic drying. H. S. Bloch. 2,440,459, Apr. 27.
- Oils, Synthetic drying. W. W. Johnstone. 2,440,477, Apr. 27.
- Oils, Treating edible. F. M. Sullivan. 2,441,923, May 18.
- Oils, Treatment of drying. H. G. Berger, G. S. Crandall, and J. F. Socolofsky. 2,440,000, Apr. 20.
- Oils, Winterizing. C. M. Gooding and J. R. Rich. 2,435,626, Feb. 10.
- Oils with finely divided heat resistant non-catalytic material, Cracking of hydrocarbon. F. H. Blanding. 2,436,160, Feb. 17.
- Oil-wax separator. A. H. Gebauer. 2,439,463, Apr. 13.
- Oily composition. G. W. Duncan and J. C. Zimmer. 2,455,659, Dec. 7.
- Ointment, Skin protective. W. F. Hupke and A. L. Sodergreen. 2,435,005, Jan. 27.
- Oleaginous tissue material, Rendering. L. H. Libby and L. F. Henderson. 2,455,374, Dec. 7.
- Olefin chlorohydrins, Making. C. E. Morrell, J. K. Small, and H. L. Yowell. 2,436,591, Feb. 24.
- Olefin-diolefin copolymers, Curling. R. R. Sterrett. 2,445,283, July 13.
- Olefin extraction. C. O. Tongberg. 2,451,050, Oct. 12.
- Olefin oxides, Production and recovery of. I. Bergsteinson and J. R. Schellbi. 2,437,930, Mar. 16.
- Olefines, Separation of. A. W. Francis and E. E. Reid. 2,445,520, July 20.
- Olefinic aldehydes, Hydrating. L. F. Hatch and T. W. Evans. 2,434,110, Jan. 6.
- Olefinic compounds, Polymerization of. L. Fallows and E. V. Mellers. 2,453,788, Nov. 16.
- Olefinic compounds with hydrogen sulfide, Condensation of. J. L. Eaton and J. F. Olin. 2,443,852, June 22.
- Olefinic compounds with hydrogen sulfide, Condensation of. J. F. Olin and J. L. Eaton. 2,434,510, Jan. 13.
- Olefinic hydrocarbons, Recovery of. R. C. Morris and T. W. Evans. 2,437,230, Mar. 2.
- Olefins by catalytic cracking of paraffinic wax, Production of long-chain. W. I. Gilbert and C. W. Montgomery. 2,441,962, May 25.
- Olefins from aromatic hydrocarbons, Removing. R. M. Love. 2,454,467, Nov. 23.
- Olefins from hydrocarbon mixtures, Separation of. G. G. Bernard and D. C. Bond. 2,451,376, Oct. 12.
- Olefins from hydrocarbon mixtures, Separating. A. G. Oblad. 2,436,698, Feb. 24.
- Olefins, Hydrochlorination. W. N. Axe. 2,434,094, Jan. 6.
- Olefins, Kneader polymerization. M. D. Mann, Jr. 2,435,229, Feb. 3.
- Olefins, Polymerization of. S. J. Hetzel and R. M. Kennedy. 2,452,190, Oct. 26.
- Olefins, Polymerization of. R. M. Kennedy and S. J. Hetzel. 2,452,198, Oct. 26.
- Oleo strut for airplane landing gears. M. R. Mullen. 2,451,171, Oct. 12.
- Oleomargarine coloring unit. L. Adler, H. G. Johnson, and B. J. Schneider. 2,454,420, Nov. 23.
- Oleomargarine, Manufacture of. C. E. Nelson. 2,434,429, Jan. 13.
- Oleoresin from trees, Increasing and prolonging the flow of. C. E. Ostrom and C. S. Schopmeyer. 2,435,724, Feb. 10.
- Oleoresins and gums in coniferous trees, Stimulation of production of. G. H. Hepting. 2,436,859, Feb. 17.
- 1-alkoxy-4-hydroxy-2,3-dicarbalkoxy naphthalenes. A. H. Homeyer. 2,441,702, May 18.
- 1 - amino - 2 - hydroxyalkylthio - 4 - arylaminoanthraquinones. P. Grossmann. 2,434,765, Jan. 20.
- 1-amino-2-sulfo-4-brom-anthraquinone, Production of. G. W. Seymour, V. S. Salvin, and W. R. Edwards. 2,440,760, May 4.
- 1-aryl, 5-alkyl, biguanides. D. E. Nagy. 2,455,896, Dec. 7.
- 1-cyanobutadiene-1,3 from acetic acid by azeotropic distillation, Separation of. V. L. Hansley. 2,452,460, Oct. 26.
- 1,4-dicyano butene-2 from corresponding halogen compounds, Preparing. C. N. Zeller. 2,448,755, Sept. 7.
- 1,5-diarylbiquanides from aromatic amines and dicyanamide. D. E. Nagy. 2,455,897, Dec. 7.
- 1-mono-and 1,2-disubstituted-3-cyanoguanidines, Production of. H. Z. Lecher, R. P. Parker and R. S. Long. 2,455,894, Dec. 7.
- 1-nitro-3-alkylanthrapyridone compounds and their preparation. C. V. Wilson. 2,439,120, Apr. 6.
- One-piece sucker rod. P. F. Rossmann. 2,453,038, Nov. 2.
- 1,3-bis(o-xenyl) triazene. H. H. Richmond. 2,448,155, Aug. 31.
- 1,3-diene copolymers with mono-substituted thioureas, Preservation of. R. R. Sterrett. 2,444,881, July 6.
- 1,3-dihalopropylenes, Production of. A. W. Fairbairn. 2,449,286, Sept. 14.
- 1,3-Diketones. A. C. Byrns. 2,453,619, Nov. 9.
- 1,3-diols, Production of. L. A. Mikeska and E. Arundale. 2,449,001, Sept. 7.
- 1,3,5 trinitro hexahydro s-triazine, Preparing. R. W. Schiessler and J. H. Ross. 2,434,230, Jan. 6.
- 1,2-epoxides and their preparation. D. Swern and G. N. Billen. 2,457,328, Dec. 28.
- One-way detachable snap fastener. O. J. Huelster. 2,441,573, May 18.
- Open-back shoe with stiffening means. T. A. Cochary. Re. 23,059, Dec. 14.
- Open-flame heated continuous furnace. F. N. Hays. 2,450,087, Sept. 28.
- Open hearth process. F. J. Griffiths. 2,446,759, Aug. 10.
- Open-hearth steelmaking. F. G. Kerry and E. T. W. Bailey. 2,446,511, Aug. 3.
- Open top access refrigerated display case. M. D. MacMaster. 2,447,759, Aug. 24.
- Opener, Bobby pin. A. M. Johnson. 2,438,172, Mar. 23.
- Opener, Bobby pin. C. M. Welch. 2,441,947, May 25.
- Opener, Bottle. E. Geh. 2,455,752, Dec. 7.
- Opener, Bottle. H. A. White. 2,447,381, Aug. 17.
- Opener, Can. J. H. Chandler and M. J. Zimmer. 2,446,633, Aug. 10.
- Opener, Can. T. W. Costello. 2,447,165, Aug. 17.
- Opener, Can. W. J. Noblett. 2,456,307, Dec. 14.
- Opener, Can. G. R. Squires. 2,438,376, Mar. 23.
- Opener, Can and bottle. T. Kasbouras. 2,455,496, Dec. 7.
- Opener, Cap-lifting bottle. M. C. Ranseen. 2,440,485, Apr. 27.
- Opener, Envelope. H. L. Dowell. 2,435,271, Feb. 3.
- Opener, Envelope. E. C. Metzger. 2,456,436, Dec. 14.
- Opener for containers, Lid. J. W. Bristow. 2,436,193, Feb. 17.
- Opener, Electric can. J. Jager. 2,441,322, May 11.
- Opener, Envelope and package. J. O. Tilly. 2,439,639, Apr. 13.
- Opener, Latch needle. S. A. Wytovich. 2,436,241, Feb. 17.
- Opener, lid, and pouring spout device, Combination. D. N. Halstead. 2,442,126, May 25.
- Opener, Pocket letter. W. F. Keiser. 2,442,694, June 1.
- Open-top refrigerated display case. H. W. Hardin. 2,447,699, Aug. 24.
- Operating automatic frequency control, Intermittently. S. E. Miller. 2,437,268, Mar. 9.
- Operating mechanism. E. Williams. 2,435,486, Feb. 3.
- Operating mechanism, Cowl flap. L. F. Engelhardt. 2,455,858, Dec. 7.
- Operating mechanism for lathes. R. G. Le Tourneau. 2,450,972, Oct. 12.
- Operating mechanism for embossing machine keyboards, Record controlled. C. Chisholm. 2,453,781, Nov. 16.
- Operating mechanism for overhead opening doors. R. M. Wilder. 2,440,561, Apr. 27.
- Operating mechanism for washing machines. L. E. Deloghia. 2,443,979, June 22.

- Operating mechanism, Intermittent. J. Erwood. 2,453,123, Nov. 9.
- Operating mechanism, Switch. P. T. Repka. 2,454,341, Nov. 23.
- Operating separately excited direct-current motors. U. Krabbe. 2,455,869, Dec. 7.
- Operating system, Circuit breaker. A. C. Boisseau, B. S. Beall, E. J. Frank, and R. W. Lowery. 2,450,628, Oct. 5.
- Operating upon warps, Method of and apparatus for. B. Marcellus and B. A. Peterson. 2,446,544, Aug. 10.
- Operations with a contact mass, Method and apparatus for. T. P. Simpson. 2,441,724, May 18.
- Operator for welding mechanism, Work. J. M. Patterson. 2,440,697, May 4.
- Ophthalmic compositions. G. W. Rigby. 2,445,366, July 20.
- Ophthalmologist's tool. H. A. Blohm. 2,450,229, Sept. 28.
- Ophthalmoscope with light deviating means. A. L. Silverstein. 2,444,172, June 29.
- Opposed cylinder two-cycle engine. J. S. Wenzel. 2,445,720, July 20.
- Opposed roll crusher with feed means. M. S. Groh. 2,442,740, June 1.
- Optical apparatus for showing rotating parts at rest. N. F. Barnes. 2,454,959, Nov. 30.
- Optical device, Novelty. F. E. Flotron. 2,452,363, Oct. 26.
- Optical element cemented with a polyester of fumaric acid, Compound. E. L. Kropa. 2,453,665, Nov. 9.
- Optical element cemented with a polyester of maleic acid, Compound. E. L. Kropa. 2,453,666, Nov. 9.
- Optical elements, Manufacturing reflecting. J. H. Richardson. 2,444,532-3, July 6.
- Optical filter attachment. N. A. Kath. 2,444,512, July 6.
- Optical focusing means for image translating devices. C. C. Larson. 2,435,316, Feb. 3.
- Optical instrument for examining and measuring characteristics of the eye. W. N. Allyn. 2,453,888, Nov. 16.
- Optical lap, Thermoplastic synthetic resin. L. M. Hicks. 2,434,614, Jan. 13.
- Optical method and apparatus for checking propeller blades. E. F. Flint. 2,455,053, Nov. 30.
- Optical micrometer for measuring the thickness of transparent or translucent bodies. W. E. Williams. 2,437,775, Mar. 16.
- Optical objective. A. Cox. 2,437,505, Mar. 9.
- Optical objective system, Reflecting. C. W. Martin. 2,457,253, Dec. 28.
- Optical objective, Three-component telephoto type. A. Cox. 2,452,909, Nov. 2.
- Optical projection comparator. J. R. Turner. 2,441,107, May 4.
- Optical projection contour comparison device. W. De Boer, G. A. Betts, and E. C. Polidor. 2,451,155, Oct. 12.
- Optical projection dividing head. J. H. Dowell, R. S. Sternberg, and T. Curson. 2,437,807, Mar. 16.
- Optical rectification for motion-picture apparatus and the like. B. E. Lubosch. 2,455,789, Dec. 7.
- Optical sight with transparent mirror means, Collimating. T. D. Martin. 2,441,160, May 11.
- Optical sighting device having reflector means for tracking movable objects. E. H. Goldsmith, R. V. Terry, and J. W. Schaefer. 2,457,543, Dec. 28.
- Optical signaling system including dispersing and recombining a light beam. N. E. Lindenblad. 2,443,258, June 15.
- Optical system for microfilm apparatus. V. E. Pratt and G. F. Gray. 2,439,055, Apr. 6.
- Optical system for sound recording. L. T. Sachtleben. 2,436,671, Feb. 24.
- Optical system, Multiple image. F. E. Carlson. 2,443,722, June 22.
- Optical system with parallel plate refractive element, Schmidt type. P. M. van Alphen. 2,449,259, Sept. 14.
- Optical transmission filters by thermal evaporation, Making. M. H. Axler and K. F. Tripp. 2,456,241, Dec. 14.
- Optimum economy operation of internal-combustion engines, Method and apparatus for. A. S. Atkinson. 2,439,788, Apr. 20.
- Optically active basic amino acid salts of a stereoisomer of cis-2-(4'-carboxy-butyl)-3:4-ureido-tetrahydrothiophene. K. Folkers and D. E. Wolf. 2,441,141, May 11.
- Optometrical testing device. F. J. Williams. 2,441,783, May 18.
- Optophone. V. K. Zworykin and J. Hillier. 2,451,014, Oct. 12.
- Oral fluoride-vitamin preparation. L. P. Streat. 2,449,184, Sept. 14.
- Ordnance chambrage and cartridge case. R. W. Miller and E. B. Powell. 2,455,080, Nov. 30.
- Ore, Deironing chromium. A. Greffe. 2,448,882, Sept. 7.
- Ores and concentrate produced thereby, Treating. L. B. Wyckoff. 2,445,377, July 20.
- Ores, Treating intermediate manganese siliceous. J. R. Allen. 2,451,647, Oct. 19.
- Ores, Treatment of marmatitic zinc. N. C. Christensen. 2,435,340, Feb. 3.
- Organic acids from sour sewage sludge, Recovering. R. D. Pomeroy. 2,444,527, July 6.
- Organic acids, Purification of. O. L. Polly. 2,453,588, Nov. 9.
- Organic cation exchange adsorbents prepared from spent alkylation sulfuric acid or similar material. S. J. Macuga, F. G. Ciapetta, and R. G. Heiligmann. 2,447,762, Aug. 24.
- Organic composition, Stabilized. R. C. Morris, J. L. Van Winkle, and A. V. Snider. 2,439,610, Apr. 13.
- Organic compositions, Stabilized. W. J. Yates. 2,440,530, Apr. 27.
- Organic compounds and manufacture of phthalic anhydride, Oxidation of. S. B. Becker. 2,453,740, Nov. 16.
- Organic compounds, Fluorination of. J. H. Simons. 2,447,717, Aug. 24.
- Organic compounds, Manufacture of unsaturated. S. A. Miller and W. H. Groombridge. 2,452,672, Nov. 2.
- Organic compounds, Nitrating. V. R. Kokatnur. 2,435,544, Feb. 3.
- Organic compounds plasticized with an alkoxyalkyl ether of a halonitrophenol, Plasticizable. G. L. Doelling and K. H. Adams. 2,450,272, Sept. 28.
- Organic compounds serving as cyanine dyestuff intermediates. J. D. Kendall, H. W. Wood, and J. R. Majer. 2,438,704, Mar. 30.
- Organic derivative of cellulose textiles by impregnation with cyanamide, Improving the fastness of dyed. H. Dreyfus. 2,440,330, Apr. 27.
- Organic fluorethers and their preparation. W. E. Hanford. 2,433,844, Jan. 6.
- Organic fluorine compounds, Production of. W. B. Whalley. 2,452,975, Nov. 2.
- Organic fluorine-containing sulfur compounds and their preparation. W. E. Hanford. 2,443,003, June 8.
- Organic hydroxy compound and derivatives thereof. J. E. Bludworth and D. P. Easter. 2,447,050, Aug. 17.
- Organic impurities from copper-cyanide electroplating baths, Removing. H. L. Benner and R. R. Bair. 2,434,191, Jan. 6.
- Organic isocyanates. J. J. Verbanc. 2,437,867, Mar. 16.
- Organic materials and product of said process, Stabilizing. H. M. Barnes. 2,448,203, Aug. 31.
- Organic nitriles, Purification of. W. A. Blann. 2,444,589, July 6.
- Organic nitrogen compounds and obtaining same. R. R. Adams and H. S. Mosher. 2,455,396, Dec. 7.
- Organic nitrosation-sulfitation products, Purification of. L. J. Beckham. 2,436,243, Feb. 17.
- Organic peroxide composition. H. G. Hyatt and E. S. Shanley. 2,453,070, Nov. 2.
- Organic peroxides, Desensitizing of solid. H. G. Hyatt and E. S. Shanley. 2,453,071, Nov. 2.
- Organic peroxides, Stabilized. R. Kuoch and E. S. Shanley. 2,454,254, Nov. 16.
- Organic phosphines, Making. C. Walling. 2,437,795, Mar. 16.
- Organic phosphorus, Making. C. Walling. 2,437,796, Mar. 16.
- Organic plastic material, Forming slabs of. R. S. Jesionowski. 2,452,761, Nov. 2.
- Organic-polysulfide rubbery material with carbon black, Reinforcing. T. A. Te Grotenhuis. 2,452,083, Oct. 26.
- Organo-di-siloxanes and making them. J. F. Hyde. 2,449,940, Sept. 21.
- Organic sulfides, Preparing. C. T. Walling. 2,454,108, Nov. 16.
- Organic sulfur-containing polymers. R. C. Morris and E. C. Shokal. 2,445,799, July 27.
- Organic sulphonic derivatives, Preparing. J. Ross, D. J. Potter, and S. Yolles. 2,434,746, Jan. 20.
- Organic titanium compound and making same. C. M. Langkammerer. 2,453,520, Nov. 9.
- Organoboron compounds, Preparation of. D. T. Hurd. 2,446,008, July 27.
- Organo-disiloxane and preparing it. W. H. Daudt. 2,451,664, Oct. 19.
- Organo-fluoro silanes and making same. D. E. Fletcher and H. S. Nutting. 2,436,777, Feb. 24.
- Organogermanium halides, Preparing. E. G. Rochow. 2,444,270, June 29.
- Organohalogenosilanes, Preparation of. E. G. Rochow. 2,447,873, Aug. 24.
- Organosilicon composition and preparing it. J. L. Speier. 2,444,858, July 6.
- Organic-silicon compounds, Preparing. J. E. Sellers and J. L. Davis. 2,449,821, Sept. 21.
- Organic-silicon polymers and methods of making them. R. R. McGregor and E. L. Warrick. Re. 23,060, Dec. 14.
- Organic-silicon polymers and preparing them. R. R. McGregor and E. L. Warrick. 2,435,147, Jan. 27.
- Organosilicon-silica sols, gels, and aerogels. R. H. Kriebel and J. R. Elliott. 2,441,422, May 11.
- Organo-silicones, Preparing. J. F. Hyde. 2,455,999, Dec. 14.
- Organo-siloxanes and making them. J. F. Hyde. 2,441,320, May 11.
- Organo-siloxanes and making them. J. F. Hyde. 2,457,677, Dec. 28.
- Organo-siloxanes and preparing them. J. F. Hyde. 2,450,594, Oct. 5.
- Organosiloxanes, Production of. J. F. Hyde and W. Daudt. 2,443,353, June 15.
- Organo-substituted polysiloxanes, Stabilizing. J. R. Elliott. 2,445,567, July 20.
- Orientation system. P. F. Bechberger. 2,451,710, Oct. 19.

- Oriented acrylonitrile structures, Treating. S. Silverman. 2,445,042, July 13.
- Orienting, peeling, halving, and coring pears, Method and apparatus for. G. A. Dunn. 2,447,640, Aug. 24.
- Orifice exchanger. B. E. Anderson. 2,448,071, Aug. 31.
- Ornament, Ear. J. M. Miller. 2,443,051, June 8.
- Ornament, Head. C. Arkus. 2,456,167, Dec. 14.
- Ornament, Illuminated. M. Marchand. 2,439,178, Apr. 6.
- Ornamental article, Plastic. W. J. Brice. 2,451,913, Oct. 19.
- Ornamented knitted article manufacture. E. F. Wirtz. 2,452,707, Nov. 2.
- Orthopaedic appliance. H. E. Hukill. 2,440,273, Apr. 27.
- Orthopedic appliance and making the same. L. Diamond and M. R. Udell. 2,436,164, Feb. 17.
- Orthopedic device. A. R. Richards. 2,439,100, Apr. 6.
- Orthosilicates, Preparing. C. P. Haber. 2,445,576, July 20.
- Ortho-tolidine tablet composition. J. L. Leitch. 2,436,814, Mar. 2.
- Oscillating drive, Gearless. H. S. Bancroft. 2,442,482, June 1.
- Oscillating fan heater. L. B. Green. 2,449,377, Sept. 14.
- Oscillating system. P. F. Brown. 2,454,132, Nov. 16.
- Oscillating tilt drop adjusting table. J. A. Glasin. 2,446,275, Aug. 3.
- Oscillating warning light. J. D. Kennelly. 2,446,333, Aug. 3.
- Oscillation generation control. P. D. Gerber. 2,438,392, Mar. 23.
- Oscillation generator. L. W. Born. 2,438,382, Mar. 23.
- Oscillation generator. D. R. Crosby. 2,439,286, Apr. 6.
- Oscillation generator. L. A. Meacham. 2,434,669, Jan. 20.
- Oscillation generators, Ultra high frequency. F. H. Taylor. 2,457,189, Dec. 28.
- Oscillation reducing device. F. M. M. B. Salomon. 2,449,087, Sept. 14.
- Oscillator. D. J. Mynall. 2,442,612, June 1.
- Oscillator. E. E. Turner, Jr. 2,444,967, July 13.
- Oscillator. P. Weathers. 2,436,129, Feb. 17.
- Oscillator. P. Weathers. 2,443,125, June 8.
- Oscillator, Cavity resonator. S. C. Spielman. 2,436,700, Feb. 24.
- Oscillator control circuit. D. L. Hings. 2,439,890, Apr. 20.
- Oscillator control, Frequency modulated. R. H. Ranger. 2,450,019, Sept. 28.
- Oscillator, Controlled blocking tube. H. E. Beste. 2,445,933, July 27.
- Oscillator controlled follow-up system. C. F. Coake. 2,437,661, Mar. 9.
- Oscillator, Controlled frequency. R. P. Mork. 2,451,858, Oct. 19.
- Oscillator, Crystal beat-frequency. M. Morrison. 2,448,188, Aug. 31.
- Oscillator, Electromechanical. M. Morrison. 2,456,442, Dec. 14.
- Oscillator, Electron. E. S. V. Pattamaly. 2,445,690, July 20.
- Oscillator for centimeter waves. A. H. Turner. 2,438,832, Mar. 30.
- Oscillator, Gas discharge. C. W. Hansell. 2,450,475, Oct. 5.
- Oscillator, High-frequency. E. G. James. 2,456,422, Dec. 14.
- Oscillator, Keyed. R. P. Owen. 2,456,016, Dec. 14.
- Oscillator, Keyed. F. B. Wilson. 2,456,550, Dec. 14.
- Oscillator, Low frequency. E. R. Shenk and A. Kahn. 2,451,245, Oct. 12.
- Oscillator, Microwave. A. E. Anderson. 2,457,194, Dec. 28.
- Oscillator modulator. E. J. Coxey. 2,441,955, May 25.
- Oscillator of the cavity resonator type, Electronic. C. H. Townes. 2,438,954, Apr. 6.
- Oscillator plates, Manufacturing. W. H. E. Samuelson. 2,451,877, Oct. 19.
- Oscillator plates, Quartz. C. Frondel. 2,449,844, Sept. 21.
- Oscillator, Positive grid. J. W. McNall and A. H. Laidig. 2,454,330, Nov. 23.
- Oscillator, Pulse modulated. A. Easton. 2,434,400, Jan. 13.
- Oscillator, Resistance-capacitance. M. Artzt. 2,444,084, June 29.
- Oscillator, Resistance-capacitance tuned. W. Gassel and H. Gritz. 2,446,821, Aug. 10.
- Oscillator, Resistance-capacitance type. J. C. Dunn. 2,439,245, Apr. 6.
- Oscillator, Self-modulated. A. V. Wurmscr. 2,435,262, Feb. 3.
- Oscillator, Stabilized. L. M. Harris. 2,447,248, Aug. 17.
- Oscillator, Stabilized modulated. E. R. Mann and M. Spector. 2,442,138, May 25.
- Oscillator structure. E. A. Storck. 2,440,308, Apr. 27.
- Oscillator system. P. J. Walsh. 2,456,802, Dec. 21.
- Oscillator system, Variable-frequency. M. R. Gavin and V. A. Heathcote. 2,448,177, Aug. 31.
- Oscillator tube with tunable coaxial resonator. J. J. Guarrera. 2,451,825, Oct. 19.
- Oscillator, Tunable. B. W. Hargrove. 2,440,269, Apr. 27.
- Oscillator, Ultra high frequency. I. M. Bruntill and E. F. Rehman. 2,453,489, Nov. 9.
- Oscillator, Ultra high frequency. H. Lisman and E. K. Stodola. 2,451,502, Oct. 19.
- Oscillator, Ultra high frequency electric. S. G. Tomlin. 2,445,810, July 27.
- Oscillator, Ultra high frequency power. C. E. Hallmark. 2,439,512, Apr. 13.
- Oscillator, Ultra short wave. J. H. Fremlin. 2,452,559, Nov. 2.
- Oscillator, Variable frequency. S. Darlington. 2,441,567, May 18.
- Oscillator, Variable frequency relaxation. A. H. Dickinson. 2,453,203, Nov. 9.
- Oscillators to effect frequency selection, Utilizing crystal. J. M. Glessner. 2,441,570, May 18.
- Oscillatory motion to washing machine agitators, Transmitting. V. J. Wooster. 2,441,053, May 4.
- Oscillatory system, Phase-selective variable-frequency. H. A. Wheeler. 2,438,197, Mar. 23.
- Oscillatory system, Variable frequency. L. F. Curtis. 2,447,316, Aug. 17.
- Oscillograph apparatus. F. J. Bias and H. W. Lord. 2,449,801, Sept. 21.
- Oscillograph system, Three-dimensional. J. L. Whittaker. 2,455,456, Dec. 7.
- Oscilloscope amplifier. H. W. G. Salinger. 2,434,439, Jan. 13.
- Oscilloscope circuit. T. L. Dimond. 2,443,338, June 29.
- Oscilloscope device. T. H. Whitherby and H. E. Farnsworth. 2,449,524, Sept. 14.
- Oscilloscope, Frequency indicating cathode-ray. C. W. Earp. 2,434,914, Jan. 27.
- Outboard motor clamp. P. M. Haller. 2,455,578, Dec. 7.
- Outboard motor support. D. A. Armstrong. 2,441,000, May 4.
- Outdoor card game board. S. Zirin. 2,453,292, Nov. 9.
- Outergarmet, Combination. G. de Ollensis. 2,439,128, Apr. 6.
- Outlet box and plug-in connections therefor. W. J. McCartney. 2,433,917, Jan. 6.
- Outlet molding, Multiple. T. S. Gerspacher and F. A. Maynard. 2,441,698, May 18.
- Output regulation of circuit type gas-turbine plants. W. Traupel. 2,454,358, Nov. 23.
- Outrigger type support. L. P. Frost. 2,436,799, Mar. 2.
- Oven and broiler burner, Radiant. R. J. Greene. 2,438,996, Apr. 6.
- Oven, Clinker. D. H. Wilhite. 2,445,050, July 13.
- Oven, Cooking. F. H. Schneider. 2,453,939, Nov. 16.
- Oven, Crystal. A. E. Miller. 2,438,345, Mar. 23.
- Oven door. H. R. Johnson. 2,447,341, Aug. 17.
- Oven, Electronic baking. De G. Beaubien. 2,454,370, Nov. 23.
- Oven, Elevatable stove. L. H. Renshaw. 2,447,364, Aug. 17.
- Oven for heating asphalt tile and the like. M. Mayer. 2,448,723, Sept. 7.
- Oven with heat diverting means, Culinary. P. W. Rom. 2,454,571, Nov. 23.
- Oven with infrared lamp. F. V. Jensen. 2,439,005, Apr. 6.
- Overflow control for filter beds. L. L. Smith. 2,444,682, July 6.
- Overhead door. F. Kaiser. 2,436,006, Feb. 17.
- Overhead doors, Hardware for. W. E. Wread. 2,441,742, May 18.
- Overhead garage doors, Mounting. W. E. Wread. 2,441,741, May 18.
- Overlapping linkage engagement for model-forming shaped sheet pieces. W. J. Wiswesser. 2,446,120, July 27.
- Overload control with nonlinear resistance in output, Facsimile. R. C. Curtis. 2,457,131, Dec. 28.
- Overload relay having an instantaneous primary movement and a delayed secondary movement. A. P. Gauvreau. 2,445,110, July 13.
- Overload release clutch. P. L. A. Vergne. 2,436,947, Mar. 2.
- Overload release flexible coupling. W. B. Hopkins and T. T. Oberg. 2,449,555, Sept. 21.
- Overload responsive system for controlling feed and operation of crushing apparatus. R. C. Newhouse. 2,456,074, Dec. 14.
- Overrunning clutch. T. I. Ress and J. W. Lang, Jr. 2,448,912, Sept. 7.
- Overshoe seamed to stiffen plastic upper. E. Wheaton. 2,435,485, Feb. 3.
- Oxazolidones, Preparing. B. Abramovitch. 2,443,062, June 8.
- Oxazolidones and making the same. A. H. Homeyer. 2,437,389, Mar. 9.
- Oxazoline reaction products. J. W. Bishop. 2,442,582, June 1.
- Oxidation inhibitor for fats and oils. H. R. Kraybill and B. W. Beadle. 2,451,748, Oct. 19.
- Oxidation of an alkali metal salt of dehydroabiatic acid. A. E. Drake. 2,434,643, Jan. 20.
- Oxidation of aromatic compounds. C. E. Morrell and L. K. Beach. 2,443,832, June 22.
- Oxidation of aromatic hydrocarbons. W. S. Emerson and J. W. Heyd. 2,447,400, Aug. 17.
- Oxidation of barbituric acid to alloxan. W. Wenner. 2,445,898, July 27.
- Oxidation of benzene to phenol promoted by added ethers. R. H. Kriebel and W. I. Denton. 2,440,234, Apr. 20.
- Oxidation of benzene to phenol with an organic promoter. R. H. Kriebel and W. I. Denton. 2,440,233, Apr. 20.

- Oxidation of cellulose. W. O. Kenyon and E. C. Yackel. 2,448,892, Sept. 7.
- Oxidation of fatty substances. D. Price and F. J. Sprules. 2,446,849, Aug. 10.
- Oxidation of heterocyclic aromatic nitrogen compounds. M. B. Mueller. 2,436,660, Feb. 24.
- Oxidation of heterocyclic aromatic nitrogen compounds. M. B. Mueller. 2,449,906, Sept. 21.
- Oxidation of isopropylbiphenyl. M. Kosmin and W. S. Emerson. 2,447,414, Aug. 17.
- Oxidation of mesityl oxide with molecular oxygen. A. Elce, R. H. Hall, and K. H. W. Tuerck. 2,443,818, June 22.
- Oxidation processes, Catalyzed. J. C. Rapean and W. E. Ross. 2,451,869, Oct. 19.
- Oxide compositions, Aluminum. A. C. Nixon and O. L. Davis. 2,450,766, Oct. 5.
- Oxide ores, Treating. J. J. Howard and H. A. Heilgman. 2,450,343, Sept. 28.
- Oxide production, Titanium. J. H. Peterson. 2,448,683, Sept. 7.
- Oxidized asphalt product and making same. R. B. Killingsworth, H. T. Van Horn, and W. E. Spelshouse. 2,453,094, Nov. 2.
- Oxidizing unsaturated fatty bodies. J. D. Fitzpatrick and L. D. Myers. 2,450,858, Oct. 5.
- Oxime of 1-diethyl-amino-4-pentanone, Preparing the. M. T. Leffer and J. E. Rundell. 2,442,854, June 8.
- Oximeter having selective control means for multiple channels. Single knob. G. A. Millikan. 2,439,857, Apr. 20.
- Oxygen absorbent media. C. M. Fontana. 2,447,323, Aug. 17.
- Oxygen analog of biotin and making same. R. Duschinsky. 2,441,934, May 18.
- Oxygen demand regulator. L. A. Wiggins. 2,441,216, May 11.
- Oxygen enrichment system for gas engines. P. H. Craig. 2,444,222, June 29.
- Oxygen, Production of. B. B. Fogler and L. F. Marek. 2,450,276, Sept. 23.
- Oxygen supply, Emergency. W. J. Bowen. 2,444,029, June 29.
- Oxygen treated hydrocarbon resins and compositions containing the same. F. J. Soday. 2,445,644, July 20.
- Oxygen unit, Portable liquid. J. A. Weaver. 2,436,411, Feb. 24.
- Oxygenated compound with bisulfite adducts, Separation of. V. F. Michael and S. W. Walker. 2,457,257, Dec. 28.
- p-Aminobenzene sulfonamides. H. Martin, H. Gysin, O. Neracher, and R. Hirt. 2,435,974, Feb. 17.
- p-Amino phenyl-p'-amino pyridyl sulfone and making the same. M. Dohrn and O. Laubereau. 2,456,258, Dec. 14.
- p-quinone dioxide, Preparing. J. H. Trepagnier. 2,446,165, Aug. 3.
- Pack and its manufacture, Intravaginal. O. Popper and G. K. Melvill. 2,444,528, July 6.
- Pack carrier. G. E. Bushey. 2,456,253, Dec. 14.
- Pack for use in refrigeration anesthesia. H. E. Moore. 2,438,643, Mar. 30.
- Pack, Parachute. J. R. C. Quilter. 2,436,177, Feb. 17.
- Pack, Parachute. J. R. C. Quilter. 2,439,318, Apr. 6.
- Packsack. A. C. Bernau. 2,456,247, Dec. 14.
- Package. M. T. Marler. 2,437,110, Mar. 2.
- Package. L. L. Salfisberg. 2,440,022, Apr. 20.
- Package. L. B. Smith. 2,446,308, Aug. 3.
- Package and cabinet for frozen foods. M. Rifkin. 2,455,809, Dec. 7.
- Package and display, Hardware. R. C. Seyforth. 2,456,332, Dec. 14.
- Package and filling device for batteries or hollow bodies. Combined. V. D. Hauck. 2,452,049, Oct. 26.
- Package and making the same, Duplex. G. A. Kihn. 2,452,014, Oct. 19.
- Package assembly. J. A. Baker. 2,456,610, Dec. 21.
- Package, Belt. A. D. Larson. 2,442,979, June 8.
- Package, Bread. F. R. Schmitt. 2,441,513, May 11.
- Package, Carboy. O. Z. Brewer. 2,456,107, Dec. 14.
- Package construction. E. W. Ingram, Sr. 2,435,355, Feb. 3.
- Package extractor. H. S. Drum, W. C. Dodson, and W. H. Jaxheimer. 2,452,638, Nov. 2.
- Package, Food. R. A. Farrell. 2,441,477, May 11.
- Package for cartridge reloading components, Dispensing. H. D. Adams. 2,451,015, Oct. 12.
- Package for rolls and the like. L. W. Staunton and R. L. Atkinson. 2,454,352, Nov. 23.
- Package, Match. A. O. Levine. 2,448,990, Sept. 7.
- Package of individual cleansing tissue. R. G. Dexter. 2,454,864, Nov. 30.
- Package of photographic light-sensitive papers. S. F. W. Welford. 2,452,705, Nov. 2.
- Package opener and cigarette ejector, Improved cigarette. L. V. Bell. 2,453,777, Nov. 16.
- Package opener and closure, Cigarette. J. Maldonado. 2,435,454, Feb. 3.
- Packages, Drying wound. G. G. Whytlaw. 2,454,854, Nov. 30.
- Packaging. F. B. Arnold. 2,452,174, Oct. 26.
- Packaging. C. M. Carson. 2,438,089, Mar. 16.
- Packaging. E. L. Smith. 2,449,334, Sept. 14.
- Packaging and machines therefor. L. L. Salfisberg. 2,443,327, June 15.
- Packaging apparatus having parallel article and container carrying conveyors combined with article pusher comprising rotating spider with pivotally mounted arms. C. J. Malhot. 2,440,866, May 4.
- Packaging articles. M. A. Beckmann. 2,457,197, Dec. 28.
- Packaging machine. M. J. Grebowiec. 2,451,617, Oct. 19.
- Packaging machine, Tablet. F. J. Kendle. 2,439,977, Apr. 20.
- Packaging machinery. J. A. Kay. 2,437,198, Mar. 2.
- Packaging machinery. J. A. Kay. 2,438,809, Mar. 30.
- Packaging method. H. F. Waters. 2,438,981, Apr. 6.
- Packaging, Methods of. C. E. Slaughter. 2,452,607, Nov. 2.
- Packaging, Moistureproof. R. R. Richardson, W. T. Ritter, and R. O. Ragan. 2,439,435, Apr. 13.
- Packaging receptacle. S. N. Lebold. 2,443,256, June 15.
- Packer, Bearing. C. W. Ginter. 2,439,888, Apr. 20.
- Packing. H. Allen and M. T. Works. 2,444,216, June 29.
- Packing. E. Hanson. 2,444,874, July 6.
- Packing. C. Ware. 2,455,202, Nov. 30.
- Packing assembly for water pistols. J. W. Arpin. 2,435,527, Feb. 3.
- Packing for stuffing boxes. E. B. Heathcott. 2,442,687, June 1.
- Packing gasket and static seal. J. S. Aber. 2,456,356, Dec. 14.
- Packing insulataion material. R. D. Pauley. 2,439,605, Apr. 13.
- Packing machine, Bottle. K. B. Holstebro and L. Wimmer. 2,452,376, Oct. 26.
- Packing making machine, Preformed. J. T. Wong. 2,441,177, May 11.
- Packing means, Protective. K. W. Couse. 2,449,591, Sept. 21.
- Packing of lettuce and package. A. B. Haslach. 2,449,164, Sept. 14.
- Packing or sealing ring. A. Waring. 2,438,794, Mar. 30.
- Packing, Piston. A. J. Mummert and H. P. Phillips. 2,436,896, Mar. 2.
- Packing, Piston ring. W. S. Adams. 2,447,385, Aug. 17.
- Packing ring. C. V. Millikan. 2,451,762, Oct. 19.
- Packing ring. F. C. Thorn and R. M. Waples. 2,444,119, June 29.
- Packless back-seating valve. C. H. Boylan. 2,438,776, Mar. 30.
- Packless globe valve. G. H. Hufferd and G. O. R. Lindgren. 2,457,472, Dec. 28.
- Packless valve. J. B. Thomas. 2,442,625, June 1.
- Pad: See—
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| Absorptive headwear pad | Protector pad. |
| Dress shoulder pad. | Shoulder pad. |
| Foot pad. | Six heat pad. |
| Inflatable orthopedic shoulder pad. | Synthetic plastic pad. |
| Ink pad. | Traction pad. |
| Invalid pad. | Truss pad. |
| Knee pad. | Urinary pad. |
- Pad construction, Shoulder. E. D. Gerry. 2,441,482, May 11.
- Pad construction, Shoulder. H. Pons. 2,446,664, Aug. 10.
- Pad for air cooling devices, Moisture retaining. M. E. Marsalis. 2,438,859, Mar. 30.
- Pad for firearms, Cheek. E. G. Cooper. 2,451,473, Oct. 19.
- Pad for garments, Sleeve head. I. A. Danilin. 2,440,368, Apr. 27.
- Pad for gun stocks, Air cushion. W. H. Brower. 2,438,142, Mar. 23.
- Pad for toilet tanks, Absorbent drip. R. C. Buffham. 2,451,714, Oct. 19.
- Pad, Heating. J. Youhouse. 2,542,622, Nov. 2.
- Pad support for shoe presses. E. Dunford. 2,437,942, Mar. 16.
- Pads, Manufacture of shoulder. K. Kerrigan. 2,440,548, Apr. 27.
- Paddle means for spraying. W. H. Legge. 2,454,188, Nov. 16.
- Paddle target unit for ball games. D. S. Alves. 2,438,263, Mar. 23.
- Pail, Sand. S. L. Beder. 2,451,711, Oct. 19.
- Pail with pivotally attached floating strainer, Scrub. A. H. Hatchette. 2,447,178, Aug. 17.
- Paint brush extension handle. D. Filardo. 2,443,233, June 15.
- Paintbrush holder. S. Kublak. 2,445,224, July 13.
- Paintbrush holder. W. O. Nance. 2,454,474, Nov. 23.
- Paint bucket bracket. W. H. Welsh. 2,457,290, Dec. 28.
- Paint can hanger. L. N. Schaller. 2,448,628, Sept. 7.
- Paint compositions and process of making the same, Antifouling. C. J. Greenstreet. 2,443,033, June 8.
- Paint containing an alkyd resin and a halogenated amine. P. Zurcher. 2,448,505, Aug. 31.
- Paint remover. N. L. Baum and J. Wynkoop. 2,443,173, June 15.
- Paint remover. D. C. Bond and G. G. Bernard. 2,447,052, Aug. 17.
- Paint, varnish, and lacquer films from surfaces, Removing. J. K. Craver. 2,438,038, Mar. 16.
- Painter's accessory. E. F. Hansen. 2,436,924, Mar. 2.
- Painting bevels, Method of and apparatus for. S. Krajci and L. E. Savage. 2,451,960, Oct. 19.
- Painting method. H. V. Schweitzer. 2,434,125, Jan. 6.

- Paints, Silicate. W. G. Vannoy. 2,449,346, Sept. 14.
 Paints, Water-thinned. R. J. Burns. 2,443,067, June 8.
 Pajamas. J. Kessler. 2,448,438, Aug. 31.
 Palladium oxide, Preparation of. H. E. Zschiegner. 2,450,176, Sept. 28.
 Pallet. J. H. Cruickshank. 2,436,554, Feb. 24.
 Pallet. D. Lazarus. 2,443,684, June 22.
 Pallet. H. Lehrman. 2,450,432, Oct. 5.
 Pallet. B. E. Simonton and H. J. Dyer. 2,447,285, Aug. 17.
 Pallet. P. M. Wisberger. 2,450,848, Oct. 5.
 Pallet construction. C. D. Fallert and J. W. Meinhardt. 2,446,914, Aug. 10.
 Pallet, Load supporting. B. C. Coit, Jr. 2,446,634, Aug. 10.
 Pallet, Material handling. E. C. Seward. 2,447,542, Aug. 24.
 Pallet, Material supporting. F. S. Sullivan. 2,455,197, Nov. 30.
 Pallet of the load-supporting type, with casters. B. C. Coit, Jr. 2,452,356, Oct. 26.
 Pallet or skid for handling materials. D. H. Bitney. 2,447,556, Aug. 24.
 Pan and cover, Outboard motor. J. H. Bardin. 2,434,784, Jan. 20.
 Panel and connecting means therefor. W. E. Manhard. 2,435,286, Feb. 3.
 Panel and trim mounting. W. F. Johnson. 2,454,066, Nov. 16.
 Panel, Automatic transfer. J. H. Wallace and A. J. Smith. 2,442,388, June 1.
 Panelboard, Electrical. J. G. Jackson. 2,440,824, May 4.
 Panel circuit for air reheat control, Automatic. T. J. Lehane and E. H. Burgess. 2,451,566, Oct. 19.
 Panel construction. C. V. Sweet. 2,438,079, Mar. 16.
 Panel, Insulated. R. C. Parkes. 2,447,272, Aug. 17.
 Panoramic receiving system. M. Cawein and R. W. Sanders. 2,445,562, July 20.
 Pantie, Chafe. P. E. Rosenblatt. 2,440,021, Apr. 20.
 Pantie, Maternity. P. E. Rosenblatt. 2,447,875, Aug. 24.
 Pantothenic acid and its salts, Synthesis of. F. D. Pickel and H. H. Weinstock, Jr. 2,442,143, May 25.
 Pantothenic acid, Synthesizing. S. H. Babcock, Jr. 2,441,949, May 25.
 Pants, Ski. P. Haberfeld. 2,455,479, Dec. 7.
 Paper bag. W. A. Ringler. 2,433,867, Jan. 6.
 Paper bag making machinery. J. Nicholas. 2,438,787, Mar. 30.
 Paperboard, Machine for the manufacture of wet. J. Winterburn. 2,445,254, July 13.
 Paper bottle construction. F. D. Palmer. 2,444,143, June 29.
 Paper box forming apparatus. F. D. Palmer. 2,438,788, Mar. 30.
 Paper clip. H. P. Botts. 2,455,399, Dec. 7.
 Paper clip. L. W. S. Zychlinski. 2,452,514, Oct. 26.
 Paper cup and handle therefor. W. E. Amberg. 2,454,906, Nov. 30.
 Paper, Demetallizing metallized. R. A. Grouse. 2,435,441, Feb. 3.
 Paper feed for wrapping machines. W. Hoppe. 2,434,616, Jan. 13.
 Paper feed gauge for printing presses. C. Lanzendorfer. 2,445,143, July 13.
 Paper feeding device. F. M. Carroll, J. H. Bakelaar, and W. B. Pond. 2,442,970, June 8.
 Paper holder attachment, Toilet. A. Foltis. 2,434,556, Jan. 13.
 Paper joining machine. K. H. Wilcoxon. 2,435,376, Feb. 3.
 Paper liner for adhesive rolls, Treated. H. V. Donaldson. 2,450,083, Sept. 28.
 Papermaking apparatus. J. A. Rosmait. 2,440,727, May 4.
 Paper-making fiber and other useful materials from straw, Preparation of. S. D. Wells. 2,452,533, Oct. 26.
 Paper making machine. E. J. Worden. 2,443,366, June 15.
 Paper pulp from marsh reeds, Preparing. L. D. Jordain. 2,444,047, June 29.
 Paper pulp machine. J. C. Lowe. 2,452,135, Oct. 26.
 Paper pulp screen. W. F. Mathewson. 2,450,838, Oct. 5.
 Paper roll heading machine. R. White. 2,448,478, Aug. 31.
 Paper roll holder. J. W. Worley. 2,441,740, May 18.
 Paper towel and dispenser therefor, Folded. W. H. West. 2,440,993, May 4.
 Paper, Waxing. S. Bergstein. 2,443,222, June 15.
 Para - ([N] - dialkyl pyrrol)benzoates. S. Avakian. 2,448,408, Aug. 31.
 Para-acetylbenzyl compounds. W. S. Emerson. 2,439,204, Apr. 6.
 Para-aminobenzene-sulfonamido-pyrimidines, Manufacture of. M. Hartmann and H. von Meyenburg. 2,435,002, Jan. 27.
 Para-amino benzoic acid esters. A. C. Cope. 2,442,797, June 8.
 Parachute. H. Caplan. 2,455,044, Nov. 30.
 Parachute. C. A. Kunkler. 2,447,187, Aug. 17.
 Parachute and projecting and operating the same. A. L. Ruthven. 2,435,367, Feb. 3.
 Parachute device adapted to be launched from an aircraft or the like. C. R. Crowther and W. E. Brown. 2,448,254, Aug. 31.
 Parachute harness. J. R. C. Quilter. 2,439,613, Apr. 13.
 Parachute made of self-supporting ribbons which are composed of broad and narrow bands. F. S. Weinig. 2,450,926, Oct. 12.
 Parachute pack, Method of and apparatus for inclosing a folded. E. L. Selsmeyer. 2,452,604, Nov. 2.
 Parachute release. F. S. Boyd. 2,434,755, Jan. 20.
 Parachute release. H. H. Bush. 2,452,990, Nov. 2.
 Parachute release, Automatic. R. E. Gray. 2,435,649, Feb. 10.
 Parachute, Ribbon. F. S. Weinig. 2,454,853, Nov. 30.
 Parachute, Safety. S. J. Hines. 2,433,952, Jan. 6.
 Parachute shroud and making it, Elastic. R. T. Dawes and F. Taylor. 2,452,228, Oct. 26.
 Paracoumarone type resins from polymerized resin oils, Recovery of. H. L. Allen and H. G. Kleinguenther. 2,445,654, July 20.
 Paraffin dislodging tool. A. W. Hanke. 2,437,193, Mar. 2.
 Paraffinic hydrocarbons, Controlled oxidation of. F. F. Rust and W. E. Vaughan. 2,452,326, Oct. 26.
 Paraffins, Isomerizing. O. Gerbes. 2,447,573, Aug. 24.
 Paraformaldehyde compositions. J. F. Walker. 2,456,161, Dec. 14.
 Parallel cathode ray tube. H. E. Morgan. 2,443,634, June 22.
 Parallel neon bulb circuit. H. R. Yates. 2,443,490, June 15.
 Parasiticide composition. R. Cross. 2,444,154, June 29.
 Parasiticide preparations. E. C. Ladd. 2,435,499, Feb. 3.
 Parasiticides containing aluminum hydroxide, Preparing. H. L. Cupples. 2,448,661, Sept. 7.
 Para-tertiary amino phenyl aldehydes. C. D. Wilson. 2,437,370, Mar. 9.
 Parking device. J. H. Moffat. 2,455,133, Nov. 30.
 Parking stand and mounting therefor. F. W. Schwinn. 2,456,536, Dec. 14.
 Particle size of synthetic rubber latex and forming a film therefrom, Increasing the. E. A. Willson. 2,444,689, July 6.
 Particles coated with 2,2-bis(parachlorophenyl)-1,1,1-trichloroethane. E. H. Siegler. 2,444,752, July 6.
 Partition for refrigerators. M. G. Shoemaker. 2,450,305, Sept. 28.
 Partition, Removable. P. P. S. Wilson. 2,443,548, June 10.
 Partition structure, Interlocking. T. Carrozza. 2,456,049, Dec. 14.
 Partitioning and spacing element and combination thereof with a container, Composite. J. G. Huye. 2,450,801, Oct. 5.
 Partitioning means for partible bodies. C. J. Schneider. 2,447,096, Aug. 17.
 Parts of bicycle frames, Connecting separated. H. Morders. 2,447,956, Aug. 24.
 Parts rack. T. L. I. Carlson. 2,436,289, Feb. 17.
 Paste, Paint. A. C. S. Zavaleta. 2,450,072, Sept. 28.
 Paste, spotting. L. Adler. Re. 23,037, Sept. 7.
 Pasteurizer, Continuous flow. H. I. Southerwick. 2,438,582, Mar. 30.
 Pasteurizing system. R. E. Olson. 2,455,605, Dec. 7.
 Patch, Balloon suspension. O. W. Loudenslager, R. C. Gardner, and F. E. Ensley. 2,448,269, Aug. 31.
 Patch for garment pockets, Repair. L. F. Buck. 2,436,879, Mar. 2.
 Patch, Tension. P. H. Kemmer and E. R. Weaver. 2,452,058, Oct. 26.
 Pattern adapter, Multi-spindle. W. H. Hauselmann. 2,443,580, June 15.
 Pattern control means for knitting machines. T. R. Ryan. 2,439,990, Apr. 20.
 Pattern controlled machine tool. G. A. Lensky, W. Tribble, and E. W. Yates. 2,443,793, June 22.
 Pattern controlled machine tool. W. Wilder and H. Horlacher. 2,447,446, Aug. 17.
 Pattern mechanism for knitting machines. P. W. Bristow. 2,436,468, Feb. 24.
 Patterning mechanism of flat single bed knitting machines. G. Huber. 2,453,629, Nov. 9.
 Patterns, Molding flexible. M. Bean. 2,435,643, Feb. 10.
 Pavement slab connector. F. W. Abel. 2,448,134, Aug. 31.
 Paving machine, Ditch. E. D. Ekenstam. 2,447,571, Aug. 24.
 Pay roll record. F. O. Hosmer. 2,440,337, Apr. 27.
 Pea shooter. E. W. and V. C. Helberg. 2,450,830, Oct. 5.
 Peaking circuit. G. D. Forbes. 2,443,790, June 22.
 Peanut picker. D. F. Good. 2,454,156, Nov. 16.
 Pectic acid compositions. W. E. Baier. 2,436,086, Feb. 17.
 Pectic enzyme preparations fortified with pectinesterase. E. F. Jansen and H. Lineweaver. 2,457,560, Dec. 28.
 Pectic materials and preparing same. H. S. Owens and W. D. MacLay. 2,444,266, June 29.
 Pectin product, Making a. R. C. Nelson. 2,455,382, Dec. 7.
 Pedal attachment. S. R. Goodman, Jr. 2,437,320, Mar. 9.
 Pedals, Folding rudder. W. P. McKinnie and W. H. Trammell. 2,447,079, Aug. 17.
 Pedestal mounted circumferentially traveling shoe type tire mounting device. L. A. Smith. 2,439,615, Apr. 13.
 Pedestal or base stand. J. V. Faust. 2,442,081, May 25.
 Peeler, Vegetable and fruit. F. Freitag. 2,436,562, Feb. 24.

- Peeler wherein the abrading surfaces are sprayed stainless steel, Vegetable. D. L. Horton, Jr. 2,442,600, June 1.
- Peeler with cooperating resinous and rubber peeling surfaces, Horizontal axis drum grain. W. W. Loewy. 2,435,592, Feb. 10.
- Peeling machine having rotary radial cutter blades with fan portions, Coconut. O. G. Rieske. 2,456,446, Dec. 14.
- Peeling machine including endless transversely deformable abrading belts. C. M. McDowell. 2,448,229, Aug. 31.
- Peening device. J. E. Kline, D. T. Peden, and C. S. White. 2,442,009, May 25.
- Peg count metering arrangement. J. R. Dewar. 2,444,156, June 29.
- Pellet container and selector. F. L. Sessions. 2,448,918, Sept. 7.
- Pellets, Making. W. M. Davis. 2,436,766, Feb. 24.
- Pellets, Making. R. S. Wood. 2,436,771, Feb. 24.
- Pen. A. Winter. 2,455,964, Dec. 14.
- Pen, Baby's play. G. Sole. 2,448,237, Aug. 31.
- Pen, Ball point. F. E. Gruber. 2,449,218, Sept. 14.
- Pen control mechanism for paper ruling machine. R. J. Thompson. 2,448,285, Aug. 31.
- Pen, Dual fountain. M. Ernst. 2,457,217, Dec. 28.
- Pen, Fountain. L. J. Biro. 2,435,123, Jan. 27.
- Pen, Fountain. C. J. Cardin. 2,453,491, Nov. 9.
- Pen, Fountain. D. P. Moore. 2,441,280, May 11.
- Pen, Fountain. L. F. Perwas. 2,449,567, Sept. 21.
- Pen, Fountain. M. Reynolds. 2,435,185, Jan. 27.
- Pen, Fountain. J. W. Welsh. 2,456,602, Dec. 14.
- Pen, Portable play. M. D. Bible. 2,451,431, Oct. 12.
- Pencil, Eraser tipped. J. F. Linden. 2,448,103, Aug. 31.
- Pencil grip gauge. C. A. Pate. 2,440,913, May 4.
- Pencil gripper. G. W. Wherry. 2,443,571, June 15.
- Pencil holder. R. M. McNeill. 2,455,019, Nov. 30.
- Pencil, Mechanical. B. W. Hanle. 2,434,882, Jan. 20.
- Pencil, Mechanical. W. D. Mease. 2,455,596, Dec. 7.
- Pencil of the push-button type, Mechanical. F. Collura. 2,452,906, Nov. 2.
- Pencil, One-piece wooden body. C. C. Harris. 2,450,476, Oct. 5.
- Pencil, Push-button type. F. Collura. 2,452,905, Nov. 2.
- Pencil, Three-color mechanical. R. N. Thatcher. 2,434,234, Jan. 6.
- Pencil with internal illuminating means. J. J. Devine. 2,452,735, Nov. 2.
- Pencil with magazine and push type feed. A. K. F. Koch. 2,436,437, Feb. 24.
- Pencil with step-by-step feed, Mechanical. S. M. Cleveland. 2,448,356, Aug. 31.
- Pencil with step-by-step feed, Mechanical. J. B. Traylor. 2,437,769, Mar. 16.
- Pendant, Luminous. J. A. Kelly. 2,455,893, Dec. 7.
- Pendulously operated crank timing indicator. E. A. Price. 2,438,229, Mar. 23.
- Pendulum controlled electric dive angle indicator. U. C. S. Dilks. 2,445,517, July 20.
- Penicillin in cotton seed meal medium, Production of. J. W. Foster and L. E. McDaniel. 2,448,791, Sept. 7.
- Penicillin, Manufacture of. T. H. Mead, M. V. Stack, and E. L. Smith. 2,451,853, Oct. 19.
- Penicillin, Preparing. C. J. Cavallito and F. K. Kirchner. 2,446,574, Aug. 10.
- Penicillin, Producing. R. B. McCormack. 2,437,918, Mar. 16.
- Penicillin, Production of. M. Demerec. 2,445,748, July 27.
- Penicillin, Production of. J. W. Foster and L. E. McDaniel. 2,448,790, Sept. 7.
- Penicillin, Production of. A. J. Moyer. 2,442,141, May 25.
- Penicillin, Production of. A. J. Moyer. 2,443,989, June 22.
- Penicillin therapy, Preparations for. M. J. Romansky. 2,443,778, June 22.
- Penicillins, Producing. R. B. McCormack. 2,457,585, Dec. 28.
- Pentaenes, Manufacture of. O. Isler. 2,451,737-9, Oct. 19.
- Pentaerythritol process waste liquors, Recovery of products from. J. E. Snow, R. H. Barth, and R. J. Boesel. 2,441,602, May 18.
- Pentaerythritol rosinatene polymers and preparing same. W. Krumbhaar. 2,434,168, Jan. 6.
- Pentoses and hexosans from wood liquors, Recovery of. H. E. Hall and L. L. Coleman. 2,444,823, July 6.
- Peracid solutions, Preparation of. W. R. Cornthwaite and A. A. Elston. 2,448,252, Aug. 31.
- Perambulator. E. Hafner. 2,436,643, Feb. 24.
- Perambulator and cradle or like, Combined. E. P. Derthick. 2,440,539, Apr. 27.
- Perambulator or push chair, Collapsible. A. M. Blaney. 2,447,557, Aug. 24.
- Perambulator, Shopping. P. C. Gallagher. 2,443,236, June 15.
- Perch cleaner and holder for mite attracting material, Combined bird cage. E. N. Snyder. 2,439,873, Apr. 20.
- Perchloroethylene, Making. C. W. Davis, P. H. Dirstine, and W. E. Brown. 2,442,323, May 25.
- Percolator, Coffee. D. E. Dunlop. 2,455,660, Dec. 7.
- Percussion tool. R. Goldschmidt. 2,456,631, Dec. 21.
- Percussion tool. V. L. Price. 2,436,450, Feb. 24.
- Percussive apparatus. C. A. Hirschberg. 2,446,830, Aug. 10.
- Percussive tool. W. H. Dean. 2,438,777, Mar. 30.
- Perfluoroadipic acid. E. T. McBee and P. A. Wiseman. 2,453,146, Nov. 9.
- Perforated combustion tube distillate burner. G. Z. Levine. 2,455,424, Dec. 7.
- Perforator, Gun. W. R. Atwood. 2,439,643, Apr. 13.
- Perforator, Gun. S. L. Markham. 2,446,235, Aug. 3.
- Perforator, Gun. G. F. Turechek. 2,445,047, July 13.
- Perforator, Practical paper. J. Gasio. 2,436,801, Mar. 2.
- Perforator, Tape. V. H. Laney. 2,445,834, July 27.
- Perforator, Wallpaper. E. T. Hall. 2,435,349, Feb. 3.
- Perforator, Well. R. F. Davis. 2,446,640, Aug. 10.
- Perforators for printing presses. H. E. Peterson. 2,434,624, Jan. 13.
- Periodic circuit breaker with a liquid conductor particularly for contact current changers. M. H. W. Widakovich. 2,444,687, July 6.
- Periodic reversing drive. F. Rieber. 2,447,818, Aug. 24.
- Periodic stray signals from seismic signals, Elimination of. C. H. Johnson. 2,438,217, Mar. 23.
- Periodic switch. M. F. Miller. 2,441,501, May 11.
- Peripheral drain means for laundry machines. E. A. Wheeler. 2,437,179, Mar. 2.
- Periscope lens system. W. D. Orser. 2,453,336, Nov. 9.
- Permanent fault isolator time delay switch. R. H. Gerard and R. M. Smith. 2,452,233, Oct. 26.
- Permanent magnet instrument, Double concentric air gap. F. Baranowski, Jr. 2,440,535, Apr. 27.
- Permanent waving apparatus. A. E. Stroll. 2,440,188, Apr. 20.
- Permanent waving of hair. S. Grant. 2,446,227, Aug. 3.
- Permutation ignition switch. G. F. Miller. 2,456,010, Dec. 14.
- Peroral penicillin compositions. H. E. Alburn, J. Charney, and F. W. Bernhart. 2,438,106, Mar. 23.
- Peroxide bleaching of ground wood. D. O. Adams and G. B. Hughey. 2,435,566, Feb. 10.
- Peroxide-curable and organic peroxide-cured synthetic polyester rubbers, Organic. C. S. Fuller. 2,448,585, Sept. 7.
- Peroxide-glycerol explosive. E. S. Shanley and H. O. Kauffmann. 2,452,074, Oct. 26.
- Peroxides, Hydrocarbon. P. D. Brewer. 2,447,794, Aug. 24.
- Pessaries, Manufacture of. J. F. Clark. 2,457,949, Dec. 28.
- Pessary. H. E. Opperman, Sr., and H. E. Opperman, Jr. 2,440,521, Apr. 27.
- Pessary. T. Young. 2,443,943, June 22.
- Petroleum cracking residues, Treatment of. E. Hene. 2,444,610, July 6.
- Petroleum crudes, Converting. E. H. Records. 2,437,439, Mar. 9.
- Petroleum deposits, Prospecting for. M. S. Taggart, Jr. 2,442,476, June 1.
- Petroleum emulsion, Breaking. M. De Groote and A. F. Wirtel. 2,442,073-7, May 25.
- Petroleum emulsions, Breaking. M. De Groote and O. H. Pettingill. 2,454,435, Nov. 23.
- Petroleum emulsions, Resolving. J. L. Harlan. 2,454,382, Nov. 23.
- Petroleum from distillates, Preparation of pure aromatics. W. H. Claussen and T. M. Powell. 2,434,395, Jan. 13.
- Petroleum hydrocarbon resins, Decolorizing. N. W. Furby. 2,447,404, Aug. 17.
- Petroleum oils and waxes, Deodorizing. F. M. Graves. 2,455,670, Dec. 7.
- Petroleum waxes, Light stability of. J. Phillips. 2,444,269, June 29.
- pH of synthetic elastomer latices, Adjusting the. H. K. Livingston. 2,456,069, Dec. 14.
- Pharmaceutical preventive and remedy for motion sickness. L. L. Barrow. 2,434,635, Jan. 20.
- Phase and amplitude control circuit for electronic function generators. M. L. Greenough. 2,442,597, June 1.
- Phase control system. B. D. Bedford. 2,435,188, Feb. 3.
- Phase control system for vapor electric converters. J. P. Ferguson. 2,447,642, Aug. 24.
- Phase converting system. B. D. Bedford. 2,435,189, Feb. 3.
- Phase indicating reflectometer. N. I. Korman. 2,442,606, June 1.
- Phase modulation. M. G. Crosby. 2,445,708, July 20.
- Phase modulation system. S. Ramo. 2,435,601, Feb. 10.
- Phase modulator. C. E. G. Bailey. 2,437,872, Mar. 16.
- Phase relationships in an electronic circuit, Controlling. C. C. Nash, Jr. 2,451,861, Oct. 19.
- Phase responsive control circuit. J. G. Beard, R. W. Harralson, and A. Kreithen. 2,455,646, Dec. 7.
- Phase shift distortion in sound recording systems, Method and apparatus for correcting. S. J. Begun. 2,446,479, Aug. 3.
- Phase shift oscillator. D. S. Robertson. 2,446,106, July 27.
- Phase shifting arrangement. H. G. Busignies. 2,434,904, Jan. 27.
- Phase shifting circuit. S. Berkoff. 2,451,796, Oct. 19.
- Phase shifting circuit. E. F. Kubler. 2,451,834, Oct. 19.
- Phase-shifting system, Electrical. J. R. Beckwith. 2,454,426, Nov. 23.
- Phase synchronized pulsed trigger circuit. T. L. Dimond. 2,435,207, Feb. 3.
- Phasing network. N. W. Aram. 2,437,496, Mar. 9.
- Phasing system. C. L. Townsend. 2,455,323, Nov. 30.

- Phenacetylaminomethylcrotonic acid. O. K. Behrens. 2,449,191, Sept. 14.
- Phenanthridine derivatives. L. P. Walls. 2,437,869, Mar. 16.
- Phenanthridinium compounds and making them. L. P. Walls. 2,452,001, Oct. 19.
- Phenol-aldehyde molding compositions. J. Allan. 2,452,420, Oct. 26.
- Phenol-aldehyde reaction products and the product thereof, Making. D. V. Redfern. 2,457,493, Dec. 28.
- Phenol-aldehyde sealing agent and making the same. S. S. Kurtz, Jr., and J. S. Sweely. 2,457,160, Dec. 28.
- Phenol by catalytic oxidation of benzene, Production of. C. H. Schlesman, W. I. Denton, and R. B. Bishop. 2,456,597, Dec. 14.
- Phenol formaldehyde resin-glycinin protein emulsion. P. K. Porter. 2,436,328-9, Feb. 17.
- Phenol-formaldehyde resins to the infusible state with 3,5-xylenol, Accelerated curing of. R. R. Whestone. 2,441,860, May 18.
- Phenol, Making. R. H. Kriebel and W. I. Denton. 2,439,812, Apr. 20.
- Phenolphthalein B, B'-diglucoside, Preparation of. R. A. Hales. 2,450,086, Sept. 28.
- Phenol recovery. F. Porter. 2,437,921, Mar. 16.
- Phenolsulfonic acid-formaldehyde ion exchange agents, Preparing. G. B. Heustad and W. C. Bauman. 2,448,029, Aug. 31.
- Phenolic condensation products. J. B. Niederl. 2,440,909, May 4.
- Phenolic material, Purification of. G. W. Ayers. 2,434,095, Jan. 6.
- Phenols from hydrocarbon distillates by steam distillation, Separation of. D. W. Milner. 2,437,649, Mar. 9.
- Phenols or salts thereof, Manufacture of. D. Tyrer. 2,451,996, Oct. 19.
- Phenols or salts thereof, Manufacture of. D. Tyrer. 2,452,404, Oct. 26.
- Phenols, Recovery of. H. A. Gollmar. 2,445,825, July 27.
- Phenols, Treating. L. I. Smith. 2,446,856, Aug. 10.
- Phenothiazine and producing same, Water dispersible. L. M. Geiger and D. L. Marsh. 2,455,054, Nov. 30.
- Phenothiazine, Purification of. C. W. Gates and C. R. Howey. 2,451,082, Oct. 12.
- Phenoxyethyl lactate and a cellulose compound plasticized therewith. M. L. Fein and C. H. Fisher. 2,448,873, Sept. 7.
- Phenoxyphenyl propyl amines. R. Biedermann. 2,450,497, Oct. 5.
- Phenyl- and phenylalkylaminomethylenephenaacetates. A. W. Weston. 2,453,478, Nov. 9.
- Phenylacetalddehyde from styrene glycol, Producing. W. S. Emerson. 2,444,400, June 29.
- Phenylalkylamines with excess condensing agent, Preparation of. C. M. Suter. 2,443,206, June 15.
- Photograph. W. H. Buente and H. L. Dunker. 2,442,887, June 8.
- Photograph apparatus. J. H. Pressley. 2,457,106, Dec. 21.
- Photograph, Automatic. C. R. Hart. 2,457,668, Dec. 28.
- Photograph, Automatic. A. L. Knox. 2,450,378, Sept. 28.
- Photograph driving mechanism. J. Bender, Jr. 2,438,264, Mar. 23.
- Photograph, Multiselective. J. F. Eakins. 2,438,848, Mar. 30.
- Photograph pickup, Capacity-type. F. B. Tatro. 2,436,946, Mar. 2.
- Photograph pickup, Wedged needle type. W. H. Hutter. 2,451,221, Oct. 12.
- Photograph, Portable. L. C. Kaiff and A. N. Legras. 2,447,999, Aug. 24.
- Photograph pressing matrices, Making. E. P. Ruggieri. 2,444,314, June 29.
- Photograph-radio switch. J. L. Slatin. 2,451,248, Oct. 12.
- Photograph record. J. H. Hunter. 2,457,154, Dec. 28.
- Photograph recording and reproducing mechanism, Combination. G. P. Brubaker. 2,455,466, Dec. 7.
- Photograph recording head. L. Thompson. 2,441,651, May 18.
- Photograph records, Making. L. A. Wood, Jr. 2,452,821, Nov. 2.
- Photographic apparatus. R. G. Leitner and W. K. Rieber. 2,452,133, Oct. 26.
- Photographic apparatus. D. C. Rockola and I. Gil. 2,437,557, Mar. 9.
- Photographic device. H. L. Shortt. 2,455,529, Dec. 7.
- Phosgene, Preparation of. E. Gorin and C. B. Miles. 2,444,289, June 29.
- Phosphate binder and preparing the same, Aluminum. H. H. Greger. 2,454,056, Nov. 16.
- Phosphate cements. H. H. Greger. 2,450,952, Oct. 12.
- Phosphor material. F. E. Williams. 2,447,447, Aug. 17.
- Phosphor material. F. E. Williams. 2,447,449, Aug. 17.
- Phosphor screen. R. E. Schrader. 2,446,248, Aug. 3.
- Phosphoric acid ester of vitamin A. N. A. Milas. 2,443,473, June 15.
- Phosphorilated thiamin, Preparing. B. Malzel and I. Gerson. 2,435,750, Feb. 10.
- Phosphors, Magnesium germanate. F. E. Williams. 2,447,448, Aug. 17.
- Phosphorus and sulfur-containing organic reaction products, Making. J. J. Giammaria. 2,449,933, Sept. 21.
- Photoalbum leaf. H. F. Schmiede. 2,455,023, Nov. 30.
- Photocell. R. J. Cashman. 2,448,517, Sept. 7.
- Photocell. R. J. Cashman. 2,448,518, Sept. 7.
- Photocell of lead sulfide. R. J. Cashman. 2,448,516, Sept. 7.
- Photocells containing antimony, Outgassing. R. L. Longini. 2,456,968, Dec. 21.
- Photochlorination of acetylene. O. W. Cass. 2,456,173, Dec. 14.
- Photocopy machine. E. R. Sabel and F. I. Galbrecht. 2,446,246, Aug. 3.
- Photo-electric apparatus. R. J. Herbold. 2,444,442, July 6.
- Photoelectric apparatus for spectrographic analysis. A. W. Fisher and W. B. Warren. 2,436,104, Feb. 17.
- Photoelectric control for signal devices, Sensitive. T. K. Rigen. 2,450,990, Oct. 12.
- Photoelectric control mechanism for flame-cutting devices. W. S. Tandler and D. S. Walker. 2,438,098, Mar. 16.
- Photoelectric device. D. E. Hooker and F. G. Nicolaus. 2,442,240, May 25.
- Photoelectric exposure meter. G. Maisch. 2,450,288, Sept. 28.
- Photoelectric exposure time and contrast print control instrument for photographic enlargers. A. Simmon. 2,443,058, June 8.
- Photoelectric inspection device. H. W. Hoffman and G. H. Helmer. 2,442,690, June 1.
- Photoelectric ring gauge. S. J. Becker. 2,441,343, May 11.
- Photoelectric system for remote indication of angular position. W. H. Kliever. 2,447,344, Aug. 17.
- Photoelectric tube. O. T. McIlvaine. 2,451,400, Oct. 12.
- Photoelectric tube. M. Orlove. 2,453,810, Nov. 16.
- Photoelectric tube and manufacturing same. A. Bramley. 2,439,647, Apr. 13.
- Photoelectrically controlled apparatus for grading pears according to length. M. B. Gause and E. O. Burling. 2,433,946, Jan. 6.
- Photoflash synchronizing mechanism. A. Schwarz. 2,435,161, Jan. 27.
- Photographic apparatus for subjecting a photographic film to a processing fluid. E. H. Land. 2,435,719, Feb. 10.
- Photographic border device. W. A. Boulais, Jr. 2,454,032, Nov. 16.
- Photographic composing machine having a plurality of sets of character bearing slides. A. G. Ogden. 2,441,899, May 18.
- Photographic developer containing disodium salts of monohydric phenol monoacids. F. R. Bean. 2,444,803, July 6.
- Photographic developers containing tetrazolyl disulfides as antifogging agents. F. Dersch and R. H. Clark. 2,453,087, Nov. 2.
- Photographic developing or the like. C. R. Turner. 2,440,314, Apr. 27.
- Photographic development by ferrous alkaline solutions. T. H. James. 2,453,323, Nov. 9.
- Photographic element having a mixed grain emulsion and process employing it, Multilayer. E. B. Knott and G. W. W. Stevens. 2,452,765, Nov. 2.
- Photographic elements bearing a polyvinylpyridine sublayer, a layer containing a soluble boron compound and a silver halide synthetic hydroxyl polymer layer and their preparation. C. F. Glick. 2,448,525, Sept. 7.
- Photographic elements containing 1,3,4-triazaindolizine cyanine dyes. N. Heimbach. 2,443,136, June 8.
- Photographic elements containing urethanes of N-substituted J acids as color formers. V. Tulagin. 2,445,252, July 13.
- Photographic elements having a silver halide layer and an antihalation layer on a polyvinylpyridine layer. F. P. Alles. 2,448,508, Sept. 7.
- Photographic elements having antihalation layer composed of vinylpyridine polymer with vinylpyridine polymer sublayer and outer protective layer. F. P. Alles. 2,448,507, Sept. 7.
- Photographic elements having antihalation layers composed of vinylpyridine polymers and antihalation materials. D. M. McQueen and E. C. Weaver. 2,448,542, Sept. 7.
- Photographic elements having light-sensitive and water-insoluble vinylpyridine polymer layers. F. Schulze. 2,448,552, Sept. 7.
- Photographic emulsion containing benzal pyruvic acid derivatives. E. P. Davey and E. B. Knott. 2,443,157, June 8.
- Photographic emulsions of enhanced light sensitivity, Silver halide. P. M. Nicholes and J. H. Taylor. 2,441,440, May 11.
- Photographic emulsions of silver salts in hydrophilic polymers of 1,3-dioxolane. T. Le S. Cairns and D. M. McQueen. 2,436,138, Feb. 17.
- Photographic enlarger with exchangeable lenses and adjustable lamp housing, Condenser type. R. and A. Simmon. 2,455,142, Nov. 30.
- Photographic exposure frame. M. L. Reaney. 2,436,180, Feb. 17.
- Photographic exposure meter. J. A. Legris. 2,436,966, Mar. 2.
- Photographic film gate for projectors. C. M. Tuttle. 2,443,171, June 8.
- Photographic film holder. R. Sardeson and E. H. Savelle. 2,445,496, July 20.

- Photographic film processing frame. W. R. Fischer and C. W. Kendall. 2,445,320, July 20.
- Photographic lamp. R. R. McMath and S. J. Menzel. 2,443,357, June 15.
- Photographic masking using the Clayden effect. J. A. C. Yule. 2,444,867, July 6.
- Photographic monogram mask. A. Baltach and B. Baltuch. 2,441,527, May 11.
- Photographic plate and film holder. E. C. Suydam. 2,451,638, Oct. 19.
- Photographic plate, Electron sensitive color. E. G. Ramberg. 2,442,961, June 8.
- Photographic print conveying mechanism. E. R. Sabel and F. I. Galbrecht. 2,444,170, June 29.
- Photographic prints, Drying. C. H. Gerould and P. C. Woodland. 2,445,572, July 20.
- Photographic process. G. W. W. Stevens. 2,457,005, Dec. 21.
- Photographic process and apparatus for subjecting a photographic film to a processing fluid. E. H. Land. 2,435,718, Feb. 10.
- Photographic process for producing line images. P. W. Bullock. 2,438,494, Mar. 30.
- Photographic process of producing a printing image. P. G. Filmer. 2,446,915, Aug. 10.
- Photographic processes and light-sensitive elements therefor. E. B. Knott and G. W. W. Stevens. 2,456,955-6, Dec. 21.
- Photographic recording equipment. J. F. Egan. 2,436,103, Feb. 17.
- Photographic reversal processes. E. B. Knott and G. W. W. Stevens. 2,456,953-4, Dec. 21.
- Photographic reversing unit and system for producing reversed images. S. N. Wekeman. 2,434,378, Jan. 13.
- Photographic shutter. A. Simmon and L. L. Weisglass. 2,441,675, May 18.
- Photographic shutter, High-speed symmetrical opening. C. C. Fuerst. 2,448,876, Sept. 7.
- Photographic silver bromide emulsion sensitized with cysteine. F. Urbach. 2,449,153, Sept. 14.
- Photographic silver halide emulsion, Optically supersensitized. B. H. Carroll and C. J. Staud. 2,448,858, Sept. 7.
- Photographic silver-halide emulsions containing 1,3,4-triazaindoline cyanine dyes. N. Heimbach. 2,439,210, Apr. 6.
- Photographic suction holder. S. N. Wekeman. 2,454,240, Nov. 16.
- Photographic unsharp masking method. J. A. C. Yule. 2,455,849, Dec. 7.
- Photographs, Producing colored. H. T. Neumann. 2,439,901, Apr. 20.
- Photography in additive color by the controlled utilization of chromatic aberrations in lenses. S. B. Grimson. 2,451,164, Oct. 12.
- Photometer carrying case. J. L. Bosley. 2,447,053, Aug. 17.
- Photometer, Flickering beam. E. I. Stearns, Jr. 2,439,373, Apr. 6.
- Photometers, particularly for measuring the contrast of a lens, Flicker. S. M. MacNeille. 2,450,761, Oct. 5.
- Photometric apparatus giving readings invariant with azimuth on polarizing samples. E. I. Stearns, Jr., and G. L. Buc. 2,438,422, Mar. 23.
- Photopolymerization. M. M. Renfrew. 2,448,828, Sept. 7.
- Photoprint washer. J. Rodack and H. E. Bauer. 2,438,648, Mar. 30.
- Photo-printing apparatus. N. B. Mears. 2,437,229, Mar. 2.
- Photosensitive blood albumin lithographic solution, Preparing. C. H. van Dusen, Jr. 2,434,727, Jan. 20.
- Photosetting coating composition, Preparation of. G. L. Wendt. 2,453,769-70, Nov. 16.
- Phototimer, Electronic. C. S. Heppard. 2,434,157, Jan. 6.
- Phototube and manufacture. A. M. Glover and R. B. Janes. 2,441,810, May 18.
- Phototube cathode formation. H. W. G. Salinger. 2,440,917, May 4.
- Phototube containing means to counteract negative wall charges. A. H. Taylor. 2,438,587, Mar. 30.
- Phthalic anhydride, Recovering. W. M. Davis. 2,448,868, Sept. 7.
- Physiologically active derivative of pyridoxine, and making the same. E. E. Snell. 2,453,944, Nov. 16.
- Piano action. A. P. Brown. 2,445,512, July 20.
- Piano action. F. C. Socin. 2,436,875, Mar. 2.
- Piano action. F. C. Socin. 2,442,182, May 25.
- Piano action, Electric. J. F. Goodwin. 2,452,848, Nov. 2.
- Piano mechanism. A. N. Prevost. 2,455,139, Nov. 30.
- Pick. E. St. Pierre. 2,439,759, Apr. 13.
- Pick and like handles. M. J. Antel. 2,433,974, Jan. 6.
- Pick for stringed instruments. R. C. Garlick. 2,449,890, Sept. 21.
- Pick motion for looms. W. H. West. 2,450,463, Oct. 5.
- Picker. G. J. Muller. 2,440,182, Apr. 20.
- Picker, Drop box. H. M. Bacon. 2,437,342, Mar. 9.
- Picker, Fish. W. E. Ketland. 2,445,620, July 20.
- Picker, Loom. S. D. Lesesne. 2,435,748, Feb. 10.
- Picker, Loom. F. C. Valenta. 2,456,757, Dec. 21.
- Pick with gaseous suspension and sifting, Peanut. D. F. Good. 2,440,197, Apr. 20.
- Picking machine, Hop. E. C. Horst, Jr. 2,447,122, Aug. 17.
- Picking motion for looms. J. Heaton. 2,454,603, Nov. 23.
- Picking tower. Fruit. R. R. Schutz. 2,448,630, Sept. 7.
- Pickling acid and crude coke works ammonia in the manufacture of ammonium sulfate and iron hydrates or oxides, Utilization of spent. C. B. Francis. 2,443,765, June 22.
- Pickup and delivery container. H. W. Ballard. 2,437,372, Mar. 9.
- Pickup and volume control, Microphone. H. De Armond. 2,455,567, Dec. 7.
- Pickup device, Sound. R. E. Peterson. 2,452,068, Oct. 26.
- Pickup equipment, Emergency. W. H. Setz. 2,437,619, Mar. 9.
- Pickup system, Frequency-modulated phonograph. L. A. Gould. 2,441,354, May 11.
- Pickup unit for stringed instruments. C. L. Fender and C. O. Kauffman. 2,455,575, Dec. 7.
- Picture corner mount. A. A. Ainsworth. 2,451,646, Oct. 19.
- Picture frame. N. E. Olin. 2,449,907, Sept. 21.
- Picture hanger. W. A. Coady. 2,448,137, Aug. 31.
- Picture hanger. C. O. Larson. 2,454,813, Nov. 30.
- Picture hanger. T. F. Smith. 2,453,467, Nov. 9.
- Picture holder. T. Solomon. 2,451,583, Oct. 19.
- Picture projecting pistol. M. A. Strumor. 2,454,233, Nov. 16.
- Picture receiver utilizing anomalous reflection from silver. E. J. Gorn. 2,445,774, July 27.
- Picture size control circuit for television receivers. R. F. Foster. 2,443,030, June 8.
- Picture slide feeding mechanism. M. E. Blumenstein. 2,434,785, Jan. 20.
- Picture sound record production. G. E. H. Hanson. 2,445,827, July 27.
- Picture, Surface treated. P. C. Goetz. 2,446,757, Aug. 10.
- Picture viewing apparatus, Animated. J. F. Iwick. 2,449,483, Sept. 14.
- Pictures, Obtaining multicolor. P. Danlos. 2,447,687, Aug. 24.
- Pie-cake carrier. E. H. Maranville. 2,448,319, Aug. 31.
- Pie filling, Dehydrated fruit. R. W. Arengo-Jones. 2,451,313, Oct. 12.
- Piezo crystal plates, Mounting. H. M. Bach. 2,437,218, Mar. 2.
- Piezoelectric apparatus. N. L. Chalfin. 2,447,160, Aug. 17.
- Piezoelectric apparatus. J. J. Cress. 2,436,202, Feb. 17.
- Piezoelectric crystal apparatus. H. Havstad. 2,453,435, Nov. 9.
- Piezoelectric crystal apparatus. W. P. Mason. 2,440,694-5, May 4.
- Piezoelectric crystal growing method. C. J. Christensen. 2,442,755, June 8.
- Piezoelectric crystal mounting. S. A. Bokovoy and H. W. N. Hawk. 2,434,903, Jan. 27.
- Piezoelectric crystal mounting. I. E. Fair. 2,441,139, May 11.
- Piezoelectric crystal support. F. A. M. Busnel. 2,454,769, Nov. 30.
- Piezoelectric crystal unit. H. F. Fruth and D. E. Noble. 2,434,266, Jan. 13.
- Piezoelectric crystals, Grinding. J. J. Root. 2,440,348, Apr. 27.
- Piezoelectric crystals, Processing. H. M. Bach. 2,440,886, May 4.
- Piezoelectric crystals, Protection of. D. S. Young. 2,440,709, May 4.
- Piezoelectric damping mechanical vibrations. W. P. Mason. 2,443,471, June 15.
- Piezoelectric device for converting pressure variations into potential variations. W. H. Stigter. 2,454,264, Nov. 16.
- Piezoelectric elements, Manufacture of. C. Chilowsky. 2,445,310, July 20.
- Piezoelectric motor. A. L. W. Williams and W. J. Brown. 2,439,499, Apr. 13.
- Piezoelectric system. C. W. Franklin. 2,447,061, Aug. 17.
- Piezoelectric unit and making same. F. Massa. 2,440,904, May 4.
- Piezoelectric vibrator. H. Benloff. 2,443,178, June 15.
- Pig mold. G. E. Studel. 2,439,875, Apr. 20.
- Pigment compositions. B. C. Pratt. 2,456,313, Dec. 14.
- Pigment compositions. M. Scaleria and R. E. Brouillard. 2,439,222, Apr. 6.
- Pigment comprising calcium carbonate, Treatment of. H. R. Rafton. 2,447,532, Aug. 24.
- Pigment comprising calcium carbonate, Treatment of. H. R. Rafton. 2,451,448, Oct. 12.
- Pigment green and producing the same. W. G. Huey and W. G. Drautz. 2,454,453, Nov. 23.
- Pigments and producing same, Phthalocyanine. A. Siegel. 2,452,606, Nov. 2.
- Pigments and producing the same, Iron oxide. G. B. Smith. 2,452,608, Nov. 2.
- Pigments, Ceramic. C. A. Seabright. 2,441,447, May 11.
- Pigments, Extracting. J. M. Tabor, H. F. Seibert, and P. R. Frohring. 2,440,029, Apr. 20.
- Pile-driving mandrel, Collapsible. E. W. Riemenschneider and D. T. Greth. 2,437,043, Mar. 2.
- Pile fabric. D. M. Cooper. 2,452,104, Oct. 26.
- Pile materials and production thereof. F. G. Dodge. 2,438,156, Mar. 23.
- Piles and making same. E. Freyssinet. 2,435,345, Feb. 3.
- Pill douser. J. H. Du Rall. 2,436,505, Feb. 24.

- Pillow block bearing. T. C. Pew. 2,451,115, Oct. 12.
 Pillow filling machine with suction creating means. D. Huttner and R. S. Kramer. 2,437,196, Mar. 2.
 Pilot, Automatic electric. U. Ekblom. 2,446,173, Aug. 3.
 Pilot guide device. H. H. Reetz. 2,446,787, Aug. 10.
 Pilot, Single control. D. E. and R. S. Hawkins. 2,440,948, May 4.
 Pilot structure for pot type burners. J. W. Miller and W. G. Smith. 2,448,148, Aug. 31.
 Pilot valve for combined temperature and pressure control apparatus. J. L. Kimball and R. C. Earley. 2,449,123, Sept. 14.
 Pin: See—
 Adjustable bier pin. Hitch pin.
 Bedrail pin. Knitting pin.
 Coupling pin. Rolling pin.
 Dowel pin. Safety pin.
 Hair curl pin.
 Pin. C. Voorhies. 2,435,935, Feb. 10.
 Pin anchored electric outlet and switch. D. S. Ross. 2,448,832, Sept. 7.
 Pin pickup and holder. M. M. Leslie. 2,455,506, Dec. 7.
 Pin setting machine, Automatic. J. F. Murphy. 2,450,249, Sept. 28.
 Pin spotter carriage for pin setting apparatus. J. Parra and W. White. 2,445,688, July 20.
 Pin structure, Coupling. C. R. Wilson. 2,455,105, Nov. 30.
 Pincers for the cleansing of interdental and intermolar spaces, Thread-holding. D. V. Freyre. 2,444,697, July 6.
 Pinene crudes, Pretreating. E. L. Cline. 2,434,197, Jan. 6.
 Pintle chain. C. K. Johnson. 2,452,242, Oct. 26.
 Pintle porting. G. M. Geiger and W. Ernst. 2,437,089, Mar. 2.
 Pipe: See—
 Siphon pipe. Smoking pipe.
 Smoker's pipe. Tobacco pipe.
 Pipe and lighter, Combined smoking. P. T. Ireson. 2,455,583, Dec. 7.
 Pipe and tube shearing mechanism. E. A. Roop. 2,435,469, Feb. 3.
 Pipe bender with detachable side abutment member, Reversible. J. J. Doucette. 2,444,596, July 6.
 Pipe-bending machine. A. E. Peters. 2,451,302, Oct. 12.
 Pipe bends, Producing lined. S. Robaus. 2,435,904, Feb. 10.
 Pipe clamp. F. G. Weigand. 2,451,702, Oct. 19.
 Pipe cleaner. J. A. Manning. 2,443,355, June 15.
 Pipe cleaning apparatus, Expandable fluid actuated. D. K. Stephens. 2,447,966, Aug. 24.
 Pipe cleanout device, Sanitary. R. R. Tubbs. 2,451,051, Oct. 12.
 Pipe coupling. D. R. Babbitt. 2,438,107, Mar. 23.
 Pipe coupling. G. H. Babigan. 2,441,055, May 4.
 Pipe coupling. W. H. J. Brock. 2,456,045, Dec. 14.
 Pipe coupling. F. B. Busch. 2,442,034, May 25.
 Pipe coupling. W. H. Cobl. 2,441,754, May 18.
 Pipe coupling. V. P. Donner. 2,457,648, Dec. 28.
 Pipe coupling. E. M. Dons and J. V. Stevens. 2,437,083, Mar. 2.
 Pipe coupling. E. M. Dons and J. V. Stevens. 2,455,658, Dec. 7.
 Pipe, Coupling. H. W. Fenlon. 2,451,437, Oct. 12.
 Pipe coupling. S. Guarnaschelli. 2,453,127, Nov. 9.
 Pipe coupling. J. C. Hobbs. 2,443,187, June 15.
 Pipe coupling. J. H. Krooss. 2,439,979, Apr. 20.
 Pipe coupling. A. La Riccia and T. W. Plante. 2,449,607, Sept. 21.
 Pipe coupling. F. T. Newell. 2,445,151, July 13.
 Pipe, Couplings. R. L. Ohls. 2,451,354, Oct. 12.
 Pipe coupling. C. K. Stillwagon. 2,449,795, Sept. 21.
 Pipe coupling. F. E. Swain. 2,448,747, Sept. 7.
 Pipe coupling. J. L. Yonkers. 2,455,544, Dec. 7.
 Pipe end and joint. E. H. Taylor. 2,451,587, Oct. 19.
 Pipe extension, Tail. H. L. Trautmann. 2,449,756, Sept. 21.
 Pipe fitting. H. S. Leo and B. B. Breslow. 2,454,465, Nov. 23.
 Pipe fitting assembly, Adjustable. W. H. Grantham. 2,450,195, Sept. 28.
 Pipe handling apparatus. C. W. Pool. 2,448,324, Aug. 31.
 Pipe handling apparatus, Well. I. X. Calboun. 2,450,934, Oct. 12.
 Pipe hanger. J. F. Ingham. 2,444,701, July 6.
 Pipe hold down clamp. F. S. Watkins. 2,442,833, June 8.
 Pipe, Irrigation, and constructing same. A. Giannopoulos. 2,456,400, Dec. 14.
 Pipe joint. R. A. Folsom. 2,434,107, Jan. 6.
 Pipe joint. E. Gordon. 2,453,428, Nov. 9.
 Pipe joint. L. G. Maechten, H. A. Duvall, and C. G. Esler. 2,445,358, July 20.
 Pipe joint. J. L. Merriam. 2,453,849, Nov. 16.
 Pipe joint. W. R. Ost. 2,448,907, Sept. 7.
 Pipe joint. B. N. Williams. 2,434,878, Jan. 20.
 Pipe line, Insubmersible. J. Muller. 2,445,628, July 20.
 Pipe, Method of coupling. E. W. Rembert. 2,451,046, Oct. 12.
 Pipe puller. A. C. Schultz. 2,442,249, May 25.
 Pipe reducer. Soil. W. J. Collison. 2,455,470, Dec. 7.
 Pipe repair clamp. B. H. Russell. 2,443,271, June 15.
 Pipe shipping package and forming the same. E. G. Price. 2,447,206, Aug. 17.
 Pipe, Smoker's. D. P. Lavietes. 2,443,108, June 8.
 Pipe stand and container for smoking tobacco, Combined. R. Chemilinski. 2,453,971, Nov. 16.
 Pipe T. L. F. Harza. 2,457,041, Dec. 21.
 Pipe testing apparatus. A. Motycka. 2,448,820, Sept. 7.
 Pipe tong support. C. A. Lundeen. 2,435,972, Feb. 17.
 Pipe union, Adjustable. F. R. Clafford. 2,449,583, Sept. 21.
 Pipe union and check valve, Combined. F. R. Long. 2,454,072, Nov. 16.
 Pipe union, Extensible. W. P. Muse. 2,448,232, Aug. 31.
 Pipe union for air compressors. R. E. Lamberton. 2,456,200, Dec. 14.
 Pipe wrench. D. M. Stainbrook. 2,435,329, Feb. 3.
 Pipe wrench and vise, Combined. J. Keiser. 2,450,967, Oct. 12.
 Pipe wrench having a fixed jaw and a cooperating reciprocating rotary jaw. M. A. Clark. 2,446,212, Aug. 3.
 Pipe wrench having a pivoted and adjustable outer jaw. R. D. Bryan. 2,455,041, Nov. 30.
 Piperazine, Preparation of. H. F. Pfann and J. K. Dixon. 2,454,404, Nov. 23.
 Piperidine propanol esters of phenyl acetic acid. S. M. McElvain and T. P. Carney. 2,448,997, Sept. 7.
 Pipes and tubes, Manufacturing. K. C. Hamilton. 2,445,352, July 20.
 Pipes, Laying submerged. R. H. Ellis and M. A. Milling. 2,447,937, Aug. 24.
 Piping and producing same. C. Seaman. 2,437,979, Mar. 16.
 Pistol with a 3-pronged biasing spring, Pivoted breech block. J. B. Arrowsmith. 2,447,891, Aug. 24.
 Piston. H. Barnard. 2,452,714, Nov. 2.
 Piston. F. F. Kishline. 2,449,657, Sept. 21.
 Piston. P. S. Webster. 2,446,348, Aug. 3.
 Piston actuated air motor valve mechanism. G. H. Palm. 2,448,459, Aug. 31.
 Piston and connecting rod. G. A. Halfvarson. 2,451,216, Oct. 12.
 Piston and piston rod assembly. T. R. Smith. Re. 23,041, Sept. 21.
 Piston and pumps, Multiple cylinder opposed. W. H. Purdie. 2,434,584, Jan. 13.
 Piston and seal. B. Dick. 2,438,153, Mar. 23.
 Piston construction. J. C. Vroman. 2,437,056, Mar. 2.
 Piston cooling construction. E. B. Graham. 2,442,408, June 1.
 Piston, Copper topped. L. B. Boyd. 2,445,309, July 20.
 Piston device. C. M. Thomas. 2,448,932, Sept. 7.
 Piston engine compressed air accumulator, variable volume, Free. R. Huber. 2,452,193, Oct. 26.
 Piston engine, opposed, separate air and fuel supply, Multiple. M. Mallory. 2,435,361, Feb. 3.
 Piston engine pressure control means, Free. F. M. Lewis. 2,435,970, Feb. 17.
 Piston engines, Regulating the scavenging of free. W. A. Morain. 2,435,282, Feb. 3.
 Piston expander. D. Eusby. 2,455,728, Dec. 7.
 Piston expander for slotted and unslotted piston skirts. G. J. Worel. 2,442,834, June 8.
 Piston for rotary engines. R. P. McCulloch, J. L. Ryde, and A. Gudmundsen. 2,450,150, Sept. 28.
 Piston locking means for fluid actuated jacks. B. N. Ashton and N. Kling. 2,434,828, Jan. 20.
 Piston machine, Free. R. Huber. 2,452,194, Oct. 26.
 Piston pin holder attachable to conventional vise jaws. C. R. Garland. 2,451,727, Oct. 19.
 Piston pump. A. J. Hoffman and R. W. Muerle. 2,442,650, June 1.
 Piston, Pump. J. W. MacClatchie. 2,443,110, June 8.
 Piston pump. H. W. Rockwell. 2,453,266, Nov. 9.
 Piston ring. H. M. Bramberry. Re. 23,014, July 6.
 Piston ring. T. E. McFall. 2,439,546, Apr. 13.
 Piston ring. R. R. Teetor. 2,439,702, Apr. 13.
 Piston ring. R. R. Teetor. 2,452,503, Oct. 26.
 Piston ring. J. C. Thompson. 2,445,090, July 13.
 Piston ring assembly. T. A. Bowers. 2,443,065, June 8.
 Piston ring boring machine. A. H. Bates. 2,437,676, Mar. 16.
 Piston ring elements of ribbon steel, Forming. H. P. Phillips. 2,436,227, Feb. 17.
 Piston ring expander. J. F. Hynek. 2,433,907, Jan. 6.
 Piston ring ridge remover. B. E. Myers. 2,444,614, July 6.
 Piston ring tool. H. M. Bramberry, Sr. 2,444,975, July 13.
 Piston ring tool. G. Mesaros. 2,452,857, Nov. 2.
 Piston rings in internal-combustion engines, Seating. H. A. Ambrose. 2,445,901, July 27.
 Piston rings, Making split. L. C. Marshall. 2,453,330, Nov. 9.
 Piston safety stop and reversing means for free piston engines. F. M. Lewis. 2,434,277, Jan. 13.
 Piston type quick disconnect coupling. D. R. Spatz. 2,439,275, Apr. 6.
 Piston wrist pin carrier. H. Forster. 2,438,849, Mar. 30.
 Pitch changing arrangement, Propeller. M. J. Maynard. 2,446,658, Aug. 10.
 Pitch changing mechanism. G. J. Smith-Pert and A. G. Forsyth. 2,457,609, Dec. 28.
 Pitch changing mechanism, Electrically operated. A. G. Forsyth. 2,455,000, Nov. 30.
 Pitch impeller, Variable. C. W. Cline. 2,450,420, Oct. 5.
 Pitch propeller mechanism, Controllable. G. W. Hardy. 2,433,990, Jan. 6.

- Pitcher. J. C. Procter. 2,447,429, Aug. 17.
Pitching and batting device for baseball game, Mechanical. I. N. Jacobs and H. C. Jones. 2,437,745, Mar. 16.
Pitting machine wherein the fruit are continuously moved during pitting, Fruit. C. M. Lindley, Jr. 2,443,863, June 22.
Pivot for shears, Screw. G. D. Calloway. 2,452,993, Nov. 2.
Pivotal and slidably mounted outer jaw wrench. T. K. Andersen. 2,437,801, Mar. 16.
Pivoted closure for collapsible tubes. C. Laing. 2,444,995, July 13.
Pivoted jaw gage. P. W. Johnson. 2,437,160, Mar. 2.
Pivoted lug conveyor. F. G. Bemis and R. E. Pierce. 2,450,106, Sept. 28.
Pivoted multiple lever cap gripping wrench. A. M. Wolfe. 2,442,795, June 8.
Pivoted outer-jaw pipe wrench. C. H. Green. 2,457,223, Dec. 28.
Placer mining. B. Bromberg. 2,444,629, July 6.
Plane, Rabbit. H. G. Shav. 2,449,015, Sept. 7.
Planer. J. M. Walter. 2,448,200, Aug. 31.
Planer attachment for lathes. J. W. Miller. 2,454,331, Nov. 23.
Planer construction. H. N. Buss. 2,449,201, Sept. 14.
Planetary gear unit. W. F. Kannenberg. 2,444,448, July 6.
Plank or the like, Extensible. L. C. McClintock. 2,447,865, Aug. 24.
Plank, Spring. R. Leppia. 2,437,033, Mar. 2.
Plant, Concrete mixing. G. Maxon, Jr. 2,437,302, Mar. 2.
Plant cover. A. C. Fischer. 2,446,509, Aug. 3.
Plant for the rapid manufacture of straw hats. O. Kohler and W. Rieder. 2,455,257, Nov. 30.
Plant, Gas turbine. J. Broggi. 2,441,751, May 18.
Plant, Hydraulic. M. F. Gunning. 2,437,520, Mar. 2.
Plant, Jet propulsion. F. B. Halford. 2,437,385, Mar. 9.
Plant pot cover. F. G. Baldwin. 2,440,569, Apr. 27.
Plant response substances, Applying. H. A. Schomer. 2,435,056, Jan. 27.
Plant thinning machine. L. A. Marihart. 2,438,224, Mar. 23.
Plant, Turbine compressor. F. Nettel and J. Kreitner. 2,457,594, Dec. 28.
Planter. M. B. Siebring. 2,445,698, July 20.
Planter and operating the same. J. R. Wilcox. 2,442,523, June 1.
Planter and operating the same. J. R. Wilcox. 2,442,794, June 8.
Planter, Power check. E. L. Pressley. 2,435,054, Jan. 27.
Planter, Seed. E. A. Sommer. 2,462,963, Nov. 2.
Plaster of Paris, Manufacture of. C. L. Haddon. 2,448,218, Aug. 31.
Plastic and metal building construction, Combination. C. I. Auten. 2,438,140, Mar. 23.
Plastic articles by injection molding, Making. C. E. Maynard. 2,442,368, June 1.
Plaster bandage forming machine. J. R. Pava. 2,445,078, July 13.
Plastic coated article. S. D. Moore. 2,447,420, Aug. 17.
Plastic-coated knitting needles, Producing. W. C. Bates. 2,453,739, Nov. 16.
Plastic composition and wallboard made therefrom. M. Skolnik. 2,450,258, Sept. 28.
Plastic composition composed of a cellulose compound and an indanol ester. F. J. Soday. 2,445,642, July 20.
Plastic compositions and making the same. F. E. Calvert and P. A. Bury. 2,449,876, Sept. 21.
Plastic compositions and making the same from an unsaturated ketone and an unsaturated nitrile. W. E. Elwell and R. L. Meier. 2,451,435, Oct. 12.
Plastic compositions of matter. L. P. Kyrides. 2,436,361, Feb. 17.
Plastic contact lenses, Making. J. E. Mullen. 2,437,436, Mar. 9.
Plastic containers, Manufacture of. F. V. Collins. 2,452,357, Oct. 26.
Plastic cork composition, Making a. J. Ehrlich. 2,455,921, Dec. 14.
Plastic detonating compositions. H. R. Wright and W. G. Allan. 2,439,328, Apr. 6.
Plastic display rack. W. J. van Wormer, Jr., and T. W. Hawkins. 2,440,814, May 4.
Plastic extruding machine. H. T. Tornberg. 2,433,936, Jan. 6.
Plastic forming apparatus and method. G. A. Lyon. 2,447,415, Aug. 17.
Plastic housing. W. P. Mason. 2,434,666, Jan. 20.
Plastic injection, Method and apparatus for. H. F. MacMillin, W. Ernst, and G. A. Waldie. 2,436,999, Mar. 2.
Plastic material, Drawing and tempering. G. W. Borkland. 2,444,420, July 6.
Plastic material from allyl starch. P. L. Nichols, Jr., and R. M. Hamilton. 2,449,816, Sept. 21.
Plastic material, Laminated. H. T. Neher and La V. N. Bauer. 2,444,059, June 29.
Plastic material, Reinforced. W. D. Ellis, III. 2,449,595, Sept. 21.
Plastic materials, Process and apparatus for extruding. N. Lester. 2,435,282, Feb. 3.
Plastic materials, Production of expanded. A. Cooper. 2,447,055, Aug. 17.
Plastic molding press. L. H. Blanchard. 2,446,041, July 27.
Plastic sheet material, Finishing. A. Y. Harrison and E. G. Pinkerton. 2,442,598, June 1.
Plastic sheet, Reticulately puckered laminated. N. J. Brown. 2,440,039, Apr. 20.
Plastic sheets, Making cored laminated. C. A. Scogland. 2,454,719, Nov. 23.
Plastic sheets, System for finishing. I. L. Lesavoy. 2,448,316, Aug. 31.
Plastic structure, Making. R. N. Sabee and C. S. White. 2,447,541, Aug. 24.
Plastic tube bearing. A. Conhagen. 2,442,919, June 8.
Plastic tire cover. G. A. Lyon. 2,440,805, May 4.
Plasticized and stabilized cellulose compound and making it. O. Santoro and E. Jaskot. 2,449,149, Sept. 14.
Plasticized composition containing a cellulose ether and a polyacrylic acid ester. C. E. Rehberg, W. C. Mast, and C. H. Fisher. 2,445,085, July 13.
Plasticized copolymers of compounds containing a single $\text{CH}_2=\text{C}<$ group and diesters of ethylene alpha beta dicarboxylic acids. G. F. d'Alelio. 2,442,558, June 1.
Plasticized ethyl cellulose composition. C. E. Rehberg, W. C. Mast, and C. H. Fisher. 2,445,084, July 13.
Plasticized prolanine composition. C. D. Evans and R. H. Manley. 2,437,946, Mar. 16.
Plasticized wax and preparing the same, Purified. C. E. Maier and J. D. Green. 2,441,202, May 11.
Plasticizers. E. Lieber. 2,442,089, May 25.
Plasticizers for polyvinyl acetal resins. H. R. Gamrath. 2,455,301, Nov. 30.
Plasticizing and vulcanization of butadiene-acrylic nitrile copolymer. L. Coes, Jr. 2,449,058, Sept. 14.
Plastics composition and preparing same, Moldable. A. W. Koon and J. P. Thatcher. 2,441,492, May 11.
Plastics molding apparatus. E. R. Knowles. 2,447,256, Aug. 17.
Plate and making same, Surface. W. S. Potter. 2,443,640, June 22.
Plate arrangement for preheaters. R. M. Gates. 2,438,851, Mar. 30.
Plate assembly, Storage battery. C. D. Galloway. 2,454,052, Nov. 16.
Plate, Bone. K. Townsend and C. W. Gillfillan. 2,443,363, June 15.
Plate clamp. T. C. P. Tunnard-Moore. 2,446,030, July 27.
Plate, Connecting base. I. J. Israelski. 2,454,803, Nov. 30.
Plate controlled feed means, Printing. H. P. Elliott. 2,444,187, June 29.
Plate, Electrolytic tin. H. S. Schutte. 2,434,290, Jan. 13.
Plate, Electrostatic condenser. J. B. Brennan and L. M. Conrad. 2,448,513, Sept. 7.
Plate, Feed. J. L. Fonville and A. E. Barneycastle. 2,455,412, Dec. 7.
Plate for jaw crushers, Wear. R. P. Kinkel. 2,449,746, Sept. 21.
Plate for locks, Striker. E. J. Beckman. 2,446,206, Aug. 3.
Plate for tow bars, Adaptor. B. H. Russell. 2,440,877, May 4.
Plate forming machine. A. F. Wayne. 2,442,943, June 8.
Plate, Grounding pole. C. A. Badeau and J. B. Clapp. 2,455,641, Dec. 7.
Plate hanger. R. Graves. 2,438,436, Mar. 23.
Plate, Heel-seating. H. V. Shirling. 2,438,253, Mar. 23.
Plateholder for photographic apparatus. M. Schwartz and W. Castedello. 2,455,814, Dec. 7.
Plate lifting clamp. J. C. Renfro. 2,446,610, Aug. 10.
Plate, Lithographic printing. W. G. Mullen. 2,444,205, June 29.
Plate, Magnetic chuck top. G. J. Carson. 2,435,737, Feb. 10.
Plate, Quartz oscillator. C. Frondel. 2,437,912-15, Mar. 16.
Plate, Removable bone. C. H. Smith. 2,440,123, Apr. 20.
Plate, Safety electric wall. C. L. Hoessel. 2,455,582, Dec. 7.
Plate, Sectional match. E. E. Reder, Jr. 2,448,827, Sept. 7.
Plate, Selenium rectifier. G. F. Mueller. 2,446,238, Aug. 3.
Plate shearing machine. E. Lyche. 2,443,685, June 22.
Plate, sheet, or cowl fastening device, Detachable. M. H. Gower. 2,444,040, June 29.
Plate, Sine angle. C. Adler. 2,447,889, Aug. 24.
Plate treatment, Tin. C. E. Glock. 2,450,508-9, Oct. 5.
Plate trimmer control. A. O. Behnke and C. Kriegel. 2,450,411, Oct. 5.
Platen drive for flash butt welders. J. H. Cooper. 2,435,494, Feb. 3.
Platen in tensile testing machines, Control for recording. D. C. Scott. 2,442,150, May 25.
Plates for crushers, Wearing. E. T. Peterson. 2,441,205, May 11.
Plates for runways in spiral chutes and the like, Forming. F. Kautz. 2,437,259, Mar. 9.
Platform, Composite shoe. F. J. Diamant. 2,448,663, Sept. 7.
Platform cover turning machine. R. H. Lawson. 2,448,102, Aug. 31.
Platform, Expendable. N. L. Cahners. 2,444,184, June 29.

- Platform, Fiberboard portable. N. L. Cahners. 2,444,183, June 29.
- Platform, Industrial. R. Hastings, Jr. 2,436,358, Feb. 17.
- Platform, Loading. A. A. Losch. 2,436,440, Feb. 24.
- Platform, Loading. W. H. Rambo. 2,450,684, Oct. 5.
- Platform, Material handling. V. T. Baker, H. T. Davisson, and O. S. Parker, Jr. 2,444,326, June 29.
- Platform, Vehicle. W. A. Wagner. 2,447,471, Aug. 17.
- Platform, Window. E. M. Newkirk. 2,445,860, July 27.
- Plating contact surfaces of magnetic reeds. J. T. L. Brown. 2,438,897, Apr. 6.
- Plating of knitting fabrics, Reverse. J. L. Getaz. 2,444,503, July 6.
- Plating, Palladium. E. M. Wise and R. F. Vines. 2,457,021, Dec. 21.
- Plating palladium and plating bath therefor. G. C. Lambros. 2,452,308, Oct. 26.
- Platinum ruthenium alloy cannulae, Making seamless. G. M. Hickey and W. W. Matlack. 2,454,172, Nov. 16.
- Player-operated means for positioning pins of bowling alleys. J. E. Laferriere. 2,440,013, Apr. 20.
- Playhouse. N. A. Crites. 2,444,695, July 6.
- Playing bar. O. H. Yates. 2,449,032, Sept. 7.
- Playing piece. P. Levy. 2,444,517, July 6.
- Play-minimizing adjustable gauging members. W. J. Darmody. 2,447,000, Aug. 17.
- Pleat holding or clamping device. S. Esecson. 2,437,084, Mar. 2.
- Pleating device. W. J. Houser. 2,454,176, Nov. 16.
- Pliers, Cable bending. E. P. McNair. 2,437,433, Mar. 9.
- Pliers, Double-ended multiple jaw. A. L. Peterson. 2,446,022, July 27.
- Pliers, electrically controlled, Surgical probing and extracting. S. B. Smith. 2,444,207, June 29.
- Pliers or wrench, Worm joint. W. C. Kress. 2,444,135, June 29.
- Pliers with crossed handles, Self-locking. W. A. Sharp. 2,453,041, Nov. 2.
- Pliers with link connected handle and jaw. A. H. Hagen. 2,450,791, Oct. 5.
- Plotting an ordered set of quantities, Method of and apparatus for. J. E. Lilienfeld. 2,445,787, July 27.
- Plotting and computing device. R. P. Curtis. 2,437,243, Mar. 9.
- Plotting and measuring device. F. H. Hagner. 2,443,240, June 15.
- Plotting apparatus. H. W. McDowell. 2,433,860, Jan. 6.
- Plow. C. R. S. Sears and R. W. Sears, II. 2,442,712, June 1.
- Plow assembly mount. R. J. Wray. 2,437,581, Mar. 9.
- Plow attachment for tractors. W. S. Lansing. 2,457,163, Dec. 28.
- Plow, Disk. L. C. Hester. 2,457,151, Dec. 28.
- Plow, Disk. A. E. Rutter. 2,454,482, Nov. 23.
- Plow, Laterally adjustable gang. C. G. Strandlund. 2,438,625, Mar. 30.
- Plow, Rotary. L. C. Blackledge. 2,439,557, Apr. 13.
- Plow, Single blade. H. H. Maxim and L. E. Knapp. 2,440,905, May 4.
- Plow, Snow. P. H. Oppegard. 2,437,116, Mar. 2.
- Plow, Two-way. J. R. Orelind. 2,440,782, May 4.
- Plow, Vineyard. W. R. Reed, C. O. Kersey, and P. D. Warkentine. 2,442,095, May 25.
- Plow, Vineyard. W. L. Shimmom. 2,452,212, Oct. 26.
- Plow, Vineyard. E. M. Wood. 2,434,730, Jan. 20.
- Plowing mechanism. M. Howard. 2,440,174, Apr. 20.
- Plowshare. E. R. Mossak. 2,452,387, Oct. 26.
- Plucking machine, Poultry. G. W. Johnson. 2,436,214, Feb. 17.
- Plug: See—
- Blasting plug.
- Connecting plug.
- Connector plug.
- Ear plug.
- Electric plug.
- Electrical attachment plug.
- Electrical cord plug.
- Electrical plug.
- Five outlet electric plug.
- Hole closure knockout plug.
- Ignition plug.
- Incised drain plug.
- Ingot mold plug.
- Plug and fuse attachment. J. R. S. Arentz. 2,437,635, Mar. 9.
- Plug and fuse, Combined connecting. S. J. Richter. 2,451,774, Oct. 19.
- Plug and jack assembly. E. L. Mentor. 2,439,744, Apr. 13.
- Plug and jack box switching unit. M. F. Mohler. 2,438,515, Mar. 30.
- Plug and socket clamp. J. Savage. 2,434,521, Jan. 13.
- Plug and socket connection, Electric. J. Lund. 2,453,579, Nov. 9.
- Plug and socket, Current-regulating. L. E. Wean and L. J. McCarty. 2,449,029, Sept. 7.
- Plug and socket, Electrical. E. L. Scott. 2,451,982, Oct. 19.
- Plug and socket, Electrical. D. W. Walters. 2,434,026, Jan. 6.
- Plug and socket, Electrical. L. Weiner and B. I. Bell. 2,456,548, Dec. 14.
- Plug and socket joint suitable for electrical conductors carrying high-frequency currents. K. E. Latimer and S. C. Smith. 2,446,706, Aug. 10.
- Plug assembly. A. G. Richardson and M. Kaplan. 2,454,838, Nov. 30.
- Plug attachment for electric cords. J. E. Mehrtens. 2,436,221, Feb. 17.
- Plug board arrangement. E. L. Koenig. 2,446,232, Aug. 3.
- Plugboard arrangements. J. F. Merkel. 2,457,703, Dec. 28.
- Plug cock valve. O. Jacobsen. 2,441,705, May 18.
- Plug connector. G. B. Benander. 2,457,520, Dec. 28.
- Plug connector. C. F. Hart. 2,448,592, Sept. 7.
- Plug for closing openings in ice containers of refrigerator cars, Hatch. E. R. Battley and G. E. McCoy. 2,453,294, Nov. 9.
- Plug for electric circuit. W. L. Wilshusen. 2,446,317, Aug. 3.
- Plug for electrical outlets, Socket. E. F. Mangold. 2,436,586, Feb. 24.
- Plug for engine failure warning systems, Signal. E. W. Bourne, Jr. 2,450,630, Oct. 5.
- Plug for sprayers, Plunger-supporting. J. C. Armstrong. 2,444,015, June 22.
- Plug receptacle. H. Hubbell. 2,455,930, Dec. 14.
- Plug seal for containers. J. M. Schorr. 2,441,514, May 11.
- Plug valve. O. Jacobsen. 2,454,389, Nov. 23.
- Plugs, Producing electrical outlet. E. G. Schaeffer. 2,445,537, July 20.
- Plumb bob reel. H. B. Nelson. 2,445,332, July 20.
- Plumbing fixture installation. J. D. Langdon. 2,437,507, Mar. 30.
- Plunger. L. Beeh. 2,438,839, Mar. 30.
- Plunger for relays, Time-delay. J. P. Keating and G. L. Weimer. 2,457,681, Dec. 28.
- Plunger switch. E. W. Rickmeyer. 2,436,898, Mar. 2.
- Plural storage device accounting machine. F. M. Carroll and A. B. Benson. 2,438,036, Mar. 16.
- Plural systems of sequentially responsive instruments. R. H. Postal. 2,448,461, Aug. 31.
- Plying strands, Method and apparatus for. S. C. Nelson. 2,442,775, June 8.
- Plywood tubing, Manufacturing. J. J. Dunne and O. S. Tuttle. 2,449,526, Sept. 14.
- Pneumatic aircraft float. R. A. Wolf and L. M. Graham. 2,439,196, Apr. 6.
- Pneumatic canopy. C. S. Hulton. 2,438,606, Mar. 30.
- Pneumatic grain conveyer. G. W. McCarty. 2,450,053, Sept. 28.
- Pneumatic siren. D. D. Ritchey. 2,436,603, Feb. 24.
- Pneumatic switch. J. Mehut. 2,438,512, Mar. 30.
- Pneumatic tire and making same. C. J. Jahant. 2,441,071, May 4.
- Pneumatic tool. W. K. Beckwith. 2,440,457, Apr. 27.
- Pneumatic torque machine. L. C. Broecker. 2,438,692, Mar. 30.
- Poacher, Egg. D. I. Gibb. 2,454,054, Nov. 16.
- Pocketbook having all exposed surfaces finished. M. Jackler. 2,437,534, Mar. 9.
- Pocketbook provided with a perforated front wall pocket for housing a colored insert. M. Kritchman. 2,436,579, Feb. 24.
- Pocket for garments, Safety. J. J. Kubovcik. 2,442,415, June 1.
- Pocketknife. A. F. Teigen. 2,450,697, Oct. 5.
- Pocket, Safety. E. C. Schweppe. 2,433,927, Jan. 6.
- Pocket square, Manual. F. Shelby. 2,453,276, Nov. 9.
- Pocket, Suspended. W. O. Fisler. 2,436,105, Feb. 17.
- Pocket-type tissue container. W. A. J. Mitchell. 2,448,819, Sept. 7.
- Pointer and scorer, Game. E. W. Piper. 2,440,415, Apr. 27.
- Pointer-controlled periodic circuit breaker. K. H. Blomberg. 2,435,027, Jan. 27.
- Pointer return device. C. A. de Giers and S. B. Osterlund. 2,450,331, Sept. 28.
- Poke, Animal. D. L. Annon. 2,443,218, June 15.
- Poke, Animal. E. A. Beard. 2,442,992, June 8.
- Polarity reversing switch. A. J. Campbell and J. P. Blom. 2,442,585, June 1.
- Polarized relay. A. C. Davis. 2,437,726, Mar. 16.
- Polarizer, Multiply angle selective. A. M. Marks. 2,453,379, Nov. 9.
- Polarizing polyvinyl alcohol-iodine sorption complex image with boric acid, Treatment of. E. H. Land. 2,445,581, July 20.
- Pole butt. L. Hartley. 2,449,698, Sept. 21.
- Pole, Clothes. R. J. S. Hoppe. 2,447,614, Aug. 24.
- Pole, Fish. B. C. Thomas. 2,447,720, Aug. 24.
- Pole holder. M. E. Disotell. 2,439,847, Apr. 20.
- Pole motor and the like, Shaded. E. W. Ballentine. 2,454,589, Nov. 23.
- Pole tip structure for salient pole synchronous machines. E. I. Pollard. 2,449,506, Sept. 14.
- Polish rod hanger. T. De W. McCahey and F. C. Redell. 2,444,842, July 6.
- Polishing, Abrasive material for. F. W. Huntington. 2,440,656, Apr. 27.
- Polishing implement with work face consisting of replaceable fabric sheets. J. H. Ludwick. 2,440,014, Apr. 20.

- Polishing machine. G. H. Meinzer. 2,437,034, Mar. 2.
 Polishing machine. H. T. Nicholas. 2,452,863, Nov. 2.
 Pollinating blossoms. L. C. Antles. 2,435,951, Feb. 17.
 Polyalkyl benzenes, Production of. W. C. Howell, Jr. 2,443,247, June 15.
 Polyallyl amine and related polymeric amines. J. H. Parker. 2,456,428, Dec. 14.
 Polyamides. T. Le S. Cairns. 2,441,057, May 4.
 Polyamides from polymeric fat acids. J. C. Cowan, L. B. Falkenburg, H. M. Teeter, and P. S. Skell. 2,450,940, Oct. 12.
 Polyamides from polyoctadecapolyenylamine. H. M. Teeter and J. C. Cowan. 2,435,478, Feb. 3.
 Polyamides of high birefringence and obtaining same. R. S. Schreiber. 2,451,695, Oct. 19.
 Polyamides of trimethyladipic acid. R. C. Morris, H. Dannenberg, and H. D. Finch. 2,442,958, June 8.
 Polyamides plasticized with a mixture of phenol and ester type plasticizers. G. T. Vaala. 2,456,344, Dec. 14.
 Polycarboxylic acids, Preparation of. T. L. Gresham. 2,449,988, Sept. 28.
 Polychloroprene compositions, Self-curing. L. S. Bake. 2,455,911, Dec. 14.
 Polydioxolane, Preparation of. W. F. Gresham. 2,457,224, Dec. 28.
 Polyenes and the manufacture thereof. O. Isler. 2,451,735-6, Oct. 19.
 Polyester-polyamide condensation products and producing the same. E. L. Kropa. 2,440,516, Apr. 27.
 Polyester synthetic rubbers formed from dissecondary glycols, Cured. C. J. Frosch. 2,448,584, Sept. 7.
 Polyesters and vinyl compounds, Copolymerization of. M. M. Levine. 2,452,669, Nov. 2.
 Polyesters of dimethylene d-gluconic acid. C. L. Mehl-treter. 2,453,150, Nov. 9.
 Polyesters of mercaptodicarboxylic acids with dihydric alcohols, Saturated linear. B. C. Pratt. 2,456,314, Dec. 14.
 Polyesters, Surface-active linear. L. H. Bock and J. L. Rainey. 2,454,546, Nov. 23.
 Polyethylene-polyvinyl acetal composition. D. A. Fletcher and M. M. Renfrew. 2,448,666, Sept. 7.
 Polyethylene stabilized with bis-(hydroxy-phenyl) propanes. G. H. Latham and D. E. Strain. 2,434,662, Jan. 20.
 Polyfluorinated acrylonitriles. D. W. Chaney. 2,439,505, Apr. 13.
 Polyfluorinated propionitriles. D. W. Chaney. 2,456,768, Dec. 21.
 Polyfluorocyclobutenes. J. Harmon. 2,436,142, Feb. 17.
 Polyfluoro four-carbon atom ring carboxylic acids and derivatives. P. L. Barrick and R. D. Cramer. 2,441,128, May 11.
 Polyformals, Preparation of. W. F. Gresham and R. E. Brooks. 2,449,469, Sept. 14.
 Polyhaloalkyl sulfides and their preparation, Saturated. M. S. Raasch. 2,451,411, Oct. 12.
 Polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers, Controlling polymeriza-tion of. E. C. Hurdiss. 2,450,552, Oct. 5.
 Polyhydric alcohols, Extraction of. J. C. Elgin. 2,436,209, Feb. 17.
 Polyhydroxy compound, Organic. J. E. Bludworth and D. P. Easter. 2,434,982, Jan. 27.
 Polyhydroxy compounds and derivatives, Organic. J. E. Bludworth and D. P. Easter. 2,434,981, Jan. 27.
 Polyiodo diaryl aliphatic acids and their manufacture. E. Schwenk and D. Papa. 2,436,270, Feb. 17.
 Poly-lactylic acid resins and making them. P. D. Watson. 2,449,828, Sept. 21.
 Poly-lactylic acid resins and making them. P. D. Watson. 2,453,559, Nov. 9.
 Polymer from aqueous emulsion, Recovery of finely di-vided. A. J. Gracia. 2,435,778, Feb. 10.
 Polymer latices, Stripping of. A. D. Green. 2,451,332, Oct. 12.
 Polymer pigmentation. M. E. Hughes. 2,433,992, Jan. 6.
 Polymer recovery from low-temperature polymerization of olefinic material. A. C. Skooglund and C. C. Swoope. 2,451,047, Oct. 12.
 Polymeric beta, gamma-olefinic alcohols, Production of. D. E. Adelson and H. F. Gray, Jr. 2,455,722, Dec. 7.
 Polymeric beta-hydroxyethyl silicic acids. E. K. Elling-boe. 2,443,898, June 22.
 Polymeric composition and making same. T. A. Te Grotenhuis. 2,457,097, Dec. 21.
 Polymeric detergents. L. H. Bock and J. L. Rainey. 2,454,541-3, Nov. 23.
 Polymeric detergents comprising water-soluble salts of the half-esters of dicarboxylic acids and the formaldehyde condensates of hydrocarbon-substituted phenoxy-poly-alkoxy alkanols. L. H. Bock and J. L. Rainey. 2,454,544, Nov. 23.
 Polymeric ethylene emulsions, Preparation of. A. T. Lar-son. 2,449,489, Sept. 14.
 Polymeric ethylene, Fractionation of. E. Hunter and R. B. Richards. 2,457,238, Dec. 28.
 Polymeric material containing 1,2-dicyano-1-methylethyl-ene. D. T. Mowry. 2,447,812, Aug. 24.
 Polymeric quaternary ammonium salts. L. H. Bock and A. L. Houk. 2,454,547, Nov. 23.
 Polymeric silicon compounds, Obtaining. W. E. Hanford. 2,441,066, May 4.
 Polymeric substances containing fatty oil acid radicals, Manufacture of. D. H. Hewitt and F. Armitage. 2,441,068, May 4.
 Polymerizable composition. S. E. Glick. 2,457,657, Dec. 28.
 Polymerizable compositions containing unsaturated alkyd resins and allyl esters, copolymers of such compositions and process of producing the same. E. L. Kropa. 2,443,741, June 22.
 Polymerization. D. A. Swedlow. 2,456,093, Dec. 14.
 Polymerization apparatus. M. D. Mann, Jr. 2,435,228, Feb. 3.
 Polymerization catalyst. D. W. Young and N. M. Elmore. 2,443,287, June 15.
 Polymerization of acrylic acid nitriles. R. A. Jacobson. 2,436,926, Mar. 2.
 Polymerization of alpha alkyl styrenes. R. G. Heiligmann. 2,448,976, Sept. 7.
 Polymerization of butadiene in the presence of methallyl chloride, Low-temperature. W. J. Sparks and R. M. Thomas. 2,440,494, Apr. 27.
 Polymerization of butadiene-1,3 hydrocarbons in acidic aqueous emulsion in the presence of a persulfate and aluminum chloride. C. F. Fryling. 2,444,643, July 6.
 Polymerization of furfuryl acrylate. C. E. Rehberg and C. H. Fisher. 2,454,756, Nov. 23.
 Polymerization of hydrocarbons, Activating. W. E. Elwell and R. L. Meier. 2,442,643, June 1.
 Polymerization of isobutylene, Continuous. R. L. Purvin. 2,444,848, July 6.
 Polymerization of olefinic hydrocarbons. C. B. Linn. 2,436,929, Mar. 2.
 Polymerization of olefinic hydrocarbons, Catalytic. J. J. Stadtherr. 2,456,338, Dec. 14.
 Polymerization of olefinic hydrocarbons, Low temperature. H. L. Johnson. 2,438,340, Mar. 23.
 Polymerization of olefins. R. L. Heinrich. 2,436,571, Feb. 24.
 Polymerization of olefins in the presence of hydrogen. M. M. Stewart and F. J. Moore. 2,446,619, Aug. 10.
 Polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers, Con-trolling. E. C. Hurdiss. 2,449,299, Sept. 14.
 Polymerization of substituted indene. F. J. Soday. 2,437,278, Mar. 9.
 Polymerization of sugars. G. J. Leuck. 2,436,967, Mar. 2.
 Polymerization of styrene and related compounds. S. E. Glick. 2,456,558, Dec. 14.
 Polymerization of unsaturated compounds in the presence of a peroxide and a hydrogen halide. E. C. Shokal. 2,445,189, July 13.
 Polymerization of unsaturated hydrocarbons. W. E. Elwell and R. L. Meier. 2,442,645, June 1.
 Polymerization of vinyl and vinylidene chlorides. H. P. Staudinger and M. D. Cooke. 2,447,289, Aug. 17.
 Polymerization process. D. R. Carmody and L. G. Sharp. 2,447,313, Aug. 17.
 Polymerization process. N. M. Elmore and H. C. Evans. 2,434,552, Jan. 13.
 Polymerization process. R. V. J. McGee. 2,444,057, June 29.
 Polymerization process. J. C. Munday and R. V. J. McGee. 2,446,947, Aug. 10.
 Polymerization process, Low-temperature. W. W. Ford and F. D. Thiel. 2,455,665, Dec. 7.
 Polymerization, Suspension. H. T. Neher and F. J. Glavis. 2,440,808, May 4.
 Polymerized rosin, Refining. B. L. Hampton. 2,447,009, Aug. 17.
 Polymerizing. R. C. Reinhardt. 2,445,970, July 27.
 Polymerizing dialkoxidoolefins and isoolefins. D. W. Young and N. M. Elmore. 2,445,379, July 20.
 Polymerizing ethylene. W. E. Hanford and P. L. Salz-berg. 2,436,256, Feb. 17.
 Polymerizing nonwrinkling oils to wrinkling oils. G. M. Williams. 2,441,738-9, May 18.
 Polymerizing olefinic compounds with metal halide-organic acid double salts. D. W. Young and H. R. Kellog. 2,446,897, Aug. 10.
 Polymerizing organosiloxanes. J. F. Hyde and O. K. Johansson. 2,453,092, Nov. 2.
 Polymerizing vinyl compounds and products formed there-by. R. G. Fordyce. 2,444,817, July 6.
 Polymers and copolymers of acenaphthylene. H. F. Miller and R. G. Flowers. 2,445,181, July 13.
 Polymers and copolymers of alkoxy acrylic esters. M. Hyman, Jr., and P. H. Johnson, Jr. 2,440,092, Apr. 20.
 Polymers and making the same, Rubberoid tall oil. R. Richter and J. J. Miskel. 2,451,173, Oct. 12.
 Polymers from carbylamine and carboxylic compounds, Production of. H. Dreyfus. 2,455,983, Dec. 14.
 Polymers, Halostyrene. C. H. Basdekis. 2,435,767, Feb. 10.
 Polymers, Manufacture of high molecular weight. A. D. Green. 2,455,671, Dec. 7.
 Polymers of an unsaturated alkyd resin and an unsatu-rated halogenated compound and method of producing same. B. W. Nordlander. 2,450,682, Oct. 5.
 Polymers of cyanoacrylic acid derivatives. J. B. Dickey and F. C. Duanebrier. 2,439,081, Apr. 6.
 Polymers of ethylene, Stabilized. D. E. Strain. 2,435,245, Feb. 3.
 Polymers of hexadiene-1,5, Synthetic. H. Dreyfus and C. Bonard. 2,457,306, Dec. 28.

- Polymers of linear formals. W. F. Gresham. 2,438,909, Apr. 6.
- Polymers of monovinylphenoxthines and preparing the same. R. G. and L. W. Flowers. 2,449,527, Sept. 14.
- Polymers of 9,10-epoxyoctadecanol and their preparation. D. Swern and G. N. Billen. 2,457,329, Dec. 28.
- Polymers of open chain monoethylenically unsaturated compounds having a terminal methylene group, Modified. M. J. Roedel. 2,434,054, Jan. 6.
- Polymers of trifluoroethylene and obtaining them. D. D. Coffman and T. A. Ford. 2,456,255, Dec. 14.
- Polymers of unsaturated ethereal esters, Resinous. D. E. Adelson and H. Dannenberg. 2,440,237, Apr. 27.
- Polymers of unsaturated glycidyl ethers and producing same, Autocondensation. K. W. Evans and E. C. Shokal. 2,450,234, Sept. 28.
- Polymers of unsaturated oxy silicols. N. P. Robie and F. E. Sheibley. 2,438,520, Mar. 30.
- Polymers of vinyl chloride plasticized with a dioctyl phthalate and liquid petrolatum. A. J. McGillicuddy. 2,450,435, Oct. 5.
- Polymers, Producing high boiling. H. W. Grote, R. L. Swoope, and C. S. Brearley, Jr. 2,457,146, Dec. 28.
- Polymers, Stabilization of terpene. J. N. Borglin. 2,449,970, Sept. 28.
- Polymethine dyes. L. G. S. Brooker. 2,454,629, Nov. 23.
- Polylol ether-esters, Waxy. K. R. Brown. 2,450,079, Sept. 28.
- Polyoxypropylene compounds. H. R. Fife and F. H. Roberts. 2,448,664, Sept. 7.
- Polyentaerythritols, Production of. J. P. Remensnyder, P. I. Bowman, and R. H. Barth. 2,441,944, May 18.
- Polyphase electronic converter. J. L. Boyer. 2,442,260, May 25.
- Polyphase induction machine and control. L. C. Weathers. 2,444,077, June 29.
- Polyphase oscillation generator. E. M. S. McWhirter and R. H. Dunn. 2,457,166, Dec. 28.
- Polysiloxane electrical insulating composition, Making. P. O. Nicodemus. 2,442,613, June 1.
- Polysiloxane resins. C. E. Welsh. 2,449,572, Sept. 21.
- Polysiloxane resins, Making. C. D. Doyle. 2,456,627, Dec. 21.
- Polystyrene-chlorinated meta diphenyl benzene composition. J. R. Mares. 2,454,255, Nov. 16.
- Polystyrene electric insulating materials. A. A. New. 2,438,516, Mar. 30.
- Polystyrene-mineral oil extract plastic composition. E. W. M. Fawcett, A. Millien, and N. Mulhern. 2,455,890, Dec. 7.
- Polysulfide condensation product and making, Mixed. T. A. Te Grotenhuis and G. H. Swart. 2,445,191, July 13.
- Polysulphides, Producing solid stabilized. A. Lalande. 2,435,145, Jan. 27.
- Polythene, Powdered. K. B. Jarrett. 2,451,743, Oct. 19.
- Polyvalent-metal hydrocarbon sulfonate, Producing. U. B. Bray. 2,453,690, Nov. 16.
- Polyvinyl acetal compositions, Plasticized. B. C. Bren and J. O. White. 2,456,366, Dec. 14.
- Polyvinyl acetal ketal resins, Preparing. J. D. Ryan and F. B. Shaw, Jr. 2,447,773, Aug. 24.
- Polyvinyl acetal resin compositions. R. H. Hunt. 2,456,413, Dec. 14.
- Polyvinyl acetal resin, Plasticized. M. O. Debacher. 2,453,569-70, Nov. 9.
- Polyvinyl acetal resins. G. O. Morrison, F. P. Lossing, A. H. Heatley, and J. F. L. M. Germain. 2,457,261, Dec. 28.
- Polyvinyl acetal with a diisocyanate-modified polyester or polyester-amide, Mixture of. W. F. Smith and H. G. White. 2,454,678, Nov. 23.
- Polyvinyl alcohol coatings, Gelling of. W. G. Lowe. 2,455,936, Dec. 14.
- Polyvinyl alcohol coatings, Preparation of hardened. W. G. Lowe. 2,455,937, Dec. 14.
- Polyvinyl alcohol esters of mercapto carboxylic acids and products therefrom. C. W. Mortenson. 2,443,923, June 22.
- Polyvinyl alcohol filaments and treated filament, Treating. E. M. Shelton and W. L. Thompson. 2,447,140, Aug. 17.
- Polyvinyl boronates and producing same. P. L. Salzberg and F. K. Signaigo. 2,457,603, Dec. 28.
- Polyvinyl butyral composition. R. D. Dunlop. 2,453,308, Nov. 9.
- Polyvinyl chloride compositions, Heat stabilized. J. R. Darby. 2,457,035, Dec. 21.
- Polyvinyl chloride compositions, Plasticizing. L. B. Morgan, P. Russell, A. A. Gibson, R. A. Kinnear, and R. G. Heyes. 2,455,042, Nov. 30.
- Polyvinyl chloride/polystyrene dispersions, Aqueous. R. G. R. Bacon, H. Taylor, and L. Wood. 2,449,684, Sept. 21.
- Polyvinyl ethers. N. W. Flodin. 2,448,260, Aug. 31.
- Polyvinyl films, Moistureproof. M. R. Radcliffe. 2,435,464, Feb. 3.
- Polyvinyl formal coatings on textiles, Forming. J. H. Rooney, J. H. Sharphouse, and P. R. Hawtlin. 2,452,152, Oct. 26.
- Polyvinyl resin solutions, Making. B. de Supinski. 2,447,398, Aug. 17.
- Polyvinylidene fluoride and obtaining the same. T. A. Ford and W. E. Hanford. 2,435,537, Feb. 3.
- Pomace, Treatment of. E. K. Metzner. 2,440,907, May 4.
- Pool, Open-air swimming. O. Saladin. 2,439,866, Apr. 20.
- Poppet valve. W. R. Brant and H. G. Chapman, Jr. 2,437,723, Mar. 16.
- Poppet valve assembling tool. N. B. Cook. 2,434,456, Jan. 13.
- Poppet valves, Method of and apparatus for making. R. A. Kempe. 2,436,928, Mar. 2.
- Porous filter. E. A. Stokes. 2,448,930, Sept. 7.
- Porous material, Treatment of. H. M. Kvalnes and F. S. Chance. 2,452,200, Oct. 26.
- Porous masses of thermoplastic synthetic resinous materials, Making shaped. H. P. Staudinger, B. K. Kelly, and A. Cooper. 2,442,940, June 8.
- Porous slags or other smelts, Production of. M. Gallai-Hatchard. 2,443,103, June 8.
- Port structure for tilting hearth furnaces, Water-cooled. H. L. McFeaters. 2,435,318, Feb. 3.
- Portable adjustable holdall clamp. H. D. Valentine. 2,442,736, June 1.
- Portable collapsible power-distribution tower for electric lawnmowers. E. H. Lange. 2,439,010, Apr. 6.
- Portable device for airplane landing wheels. H. S. Kittel. 2,444,992, July 13.
- Portable drier. P. Mayerman. 2,445,403, July 20.
- Portable drying rack. H. F. Kuehn. 2,454,559, Nov. 23.
- Portable electric cleaner and scraping tool. A. C. Ward. 2,452,002, Oct. 19.
- Portable electric signal light. R. L. Falge. 2,440,938, May 4.
- Portable electric signal lamp. C. W. M. Morris. 2,442,506, June 1.
- Portable electric tool. E. P. Turner and R. Happe. 2,456,571, Dec. 14.
- Portable film rack. J. F. Van Leuven. 2,435,298, Feb. 3.
- Portable filter. J. R. Grandin and E. F. Mechlin. 2,435,627, Feb. 10.
- Portable filter. M. S. Schneider. 2,448,157, Aug. 31.
- Portable flange serrating tool. N. W. Richards. 2,436,152, Feb. 17.
- Portable folding toilet seat. M. B. Dahle. 2,443,068, June 8.
- Portable food cabinet. L. E. Brubaker. 2,441,345, May 11.
- Portable grinding stand. H. W. Nicholson. 2,447,618, Aug. 24.
- Portable hand light. J. W. Hobbs. 2,450,141, Sept. 28.
- Portable hod stand. V. C. Robinson. 2,452,684, Nov. 2.
- Portable indicator device for ordinary two prong plugs. N. Schnoll. 2,449,150, Sept. 14.
- Portable light. J. F. Stoeck and A. J. Valrose. 2,444,540, July 6.
- Portable liquid heater. H. B. Holthouse. 2,452,656, Nov. 2.
- Portable milk-pasteurizing apparatus. E. F. Mangold. 2,436,585, Feb. 24.
- Portable projection apparatus. W. M. Lehman and W. C. Rachels. 2,441,159, May 11.
- Portable projector table. H. L. Daniels. 2,455,408, Dec. 7.
- Portable self-contained drum cleaner. F. E. Neef, Jr. 2,454,289, Nov. 23.
- Portable small hand tool vise. K. Bagge. 2,438,797, Mar. 30.
- Portable surgical table. H. E. Hipps. 2,454,802, Nov. 30.
- Portable tile cutter. C. F. Parker. 2,450,523, Oct. 5.
- Portable wire reel holder. L. Frontz. 2,453,979, Nov. 16.
- Porous structures, Increasing the strength of. L. S. Wertz. 2,434,301, Jan. 13.
- Porous structures, Solidifying. L. S. Wertz. 2,434,302, Jan. 13.
- Position indicating device. G. B. Solovieff. 2,434,870, Jan. 20.
- Position indication system, Plan. F. N. Gillette and L. J. Haworth. 2,444,193, June 29.
- Position indicator for cylinder doors. A. Matthews. 2,438,294, Mar. 23.
- Position light. C. Adler, Jr. 2,447,302, Aug. 17.
- Position repeating device and system. T. M. Ferrill, Jr., and A. E. Harrison. 2,442,764, June 8.
- Positioning device, Instrument. J. C. Jorgensen. 2,450,554, Oct. 5.
- Positively operating dobby. O. Zollikofer. 2,438,796, Mar. 30.
- Post-adjusting means for wire and mail directing apparatus. M. F. Stephens. 2,454,680, Nov. 23.
- Post and insulator, Electric fence. H. E. Strauss and A. Simon. 2,445,009, July 13.
- Post and insulator for electric fences. G. Hord. 2,450,730, Oct. 5.
- Post binder mechanism. J. Schade. 2,437,617, Mar. 9.
- Post construction, Tubular fence. W. L. Burritt. 2,452,630, Nov. 2.
- Post driving device, Fence. J. R. Huber. 2,435,651, Feb. 10.
- Post, Fence. H. L. Craig. 2,452,840, Nov. 2.
- Post for clotheslines, Extensible supporting. S. P. Turek. 2,447,992, Aug. 24.
- Post having parabolic reflecting surface, Gun aiming. L. H. Brown. 2,437,677, Mar. 16.
- Post lock for loose-leaf binders, Sectional. W. Shoda. 2,449,331, Sept. 14.
- Post, Motor terminal binding. W. L. Hansen and H. G. Manson. 2,436,042, Feb. 17.

- Post, Telescoping. J. Oriold. 2,442,779, June 8.
 Post, Turret tool. A. R. Oberwegner. 2,438,644, Mar. 30.
 Posting apparatus, Record. C. W. Kinzer. 2,452,059, Oct. 26.
 Posting board, Information. W. Thorpe. 2,436,836, Mar. 2.
 Posture demonstrating device. A. B. Puddicombe. 2,449,715, Sept. 21.
 Pot burner and flame ring, Elongated. C. S. Greer, Jr. 2,452,925, Nov. 2.
 Pot burner having segmental air directing means. C. S. Greer, Jr. 2,452,924, Nov. 2.
 Pot furnace. W. Roth. 2,445,457, July 20.
 Pot type oil burner. H. S. Long and J. P. Fields. 2,442,465, June 1.
 Potash from wyomingite, Extracting. R. D. Pike. 2,455,190, Nov. 30.
 Potassium acid tartrate from winery residues containing potassium acid tartrate and other organic materials not in solution, Recovering. E. C. Pattee. 2,433,864, Jan. 6.
 Potassium alcoholates, Preparation of. W. E. Hanford. 2,451,945, Oct. 19.
 Potassium salt of ortho-formotoluide, Preparing the. G. C. Kitchens. 2,442,952, June 8.
 Potassium stannate, Preparing. H. W. Richter. 2,436,974, Mar. 2.
 Potassium sulphate manufacture. J. A. Barr and W. A. Smith. 2,437,182, Mar. 2.
 Potassium tetraborate and sodium tetraborate, Manufacturing. F. H. May. 2,455,595, Dec. 7.
 Potato chip color, Controlling. A. R. Patton. 2,448,152, Aug. 31.
 Potato cutter, including an endless conveyor feeding to a stationary cutter, Seed. A. H. Crozier. 2,450,583, Oct. 5.
 Potato digger attachment for tractors. F. P. Noffsinger. 2,455,264, Nov. 30.
 Potato masher of welded construction. I. C. Gordean. 2,442,353, June 1.
 Potato separating machine, Vertical air current type. P. La Pointe. 2,443,446, Aug. 31.
 Potatoes, Treating. M. Wilson. 2,441,305, May 11.
 Potentiometer. M. M. Levy. 2,454,816, Nov. 30.
 Potentiometer assembly. O. J. Underwood and R. S. Feigl. 2,447,780, Aug. 24.
 Potentiometer, Electrical. A. R. E. Arnot. 2,442,228, May 25.
 Potentiometer, Sealed. I. Gordy. 2,454,278, Nov. 23.
 Potentiometer, Self-balancing. B. J. Baecher. 2,452,539, Nov. 2.
 Potentiometric amplifier. K. Rath. 2,446,390, Aug. 3.
 Pothead, Cable. W. P. Bovard. 2,436,093, Feb. 17.
 Pottery ware, Method and apparatus for decorating. W. J. Miller. 2,441,164, May 11.
 Pottery ware, Method of and apparatus for producing. W. J. Miller. 2,452,858, Nov. 2.
 Pouch and making the same. A. Mann and M. Bass. 2,442,091, May 25.
 Pouch, Nail. E. J. Scarlett. 2,454,346, Nov. 23.
 Pouch, Tobacco. R. A. Le Fevre. 2,448,376, Aug. 31.
 Pouch, Tobacco. J. H. Van Sickels. 2,443,484, June 15.
 Poultry and small livestock feeder. I. R. Doty. 2,441,959, May 25.
 Poultry bit. T. M. Elgersma. 2,450,587, Oct. 5.
 Poultry blinder clip. M. Horowitz. 2,437,959, Mar. 16.
 Poultry feed, Method for producing. R. E. Wagamon. 2,450,318, Sept. 28.
 Poultry feeder. D. R. Ballard. 2,457,432, Dec. 28.
 Poultry feeder. D. E. Barrett. 2,440,243, Apr. 27.
 Poultry feeder. J. J. Carmo. 2,445,165, July 13.
 Poultry feeder. J. O. Culpepper. 2,433,894, Jan. 6.
 Poultry feeder. D. Van Meeteren. 2,438,080, Mar. 16.
 Poultry feeder. V. and C. L. Severance. 2,454,721, Nov. 23.
 Poultry food. G. A. Walldov. 2,451,134, Oct. 12.
 Poultry house. J. D. Burkholder, Jr. 2,456,489, Dec. 14.
 Poultry, Plucking. H. E. Drews. 2,444,556, July 6.
 Poultry treatment composition. N. F. Morehouse and O. J. Mayfield. 2,450,866, Oct. 5.
 Pour point depressant. E. Lieber. 2,433,851, Jan. 6.
 Powder box having sealing ring. G. R. Bent. 2,449,196, Sept. 14.
 Powder, Delay. G. C. Hale. 2,450,892, Oct. 12.
 Powder dispenser and brush holder, Combined dental. F. J. Hofmann. 2,439,429, Apr. 13.
 Powder dispensing container. L. Hermani. 2,455,770, Dec. 7.
 Powder filling apparatus. D. D. Peebles and G. P. Hensley. 2,448,733, Sept. 7.
 Powder for spark plugs, Method of and machine for packing. H. B. Munger and H. Y. Lafferty. 2,445,035, July 13.
 Powder form materials packaged as tablets, Means and method for reducing to. F. A. Lobley. 2,447,258, Aug. 17.
 Powder, "Hot" double-base. B. L. Crawford, Jr. 2,440,327, Apr. 27.
 Power actuated garment and like presses. C. E. Feasey. 2,452,115, Oct. 26.
 Power belt retaining device. F. D. Jones and L. G. Cheatum. 2,452,306, Oct. 26.
 Power booster for aircraft control surfaces. F. O. Wisman. 2,445,900, July 27.
 Power circuits for high-frequency electronic converters. J. L. Boyer. 2,442,259, May 25.
 Power conservation system. C. E. Torsch. 2,451,641, Oct. 19.
 Power control system. S. C. Coroniti. 2,444,153, June 29.
 Power control unit for brakes. E. R. Price. 2,445,862, July 27.
 Power control with end period meter, Intermittent. B. Cooper and C. D. Cillie. 2,440,932, May 4.
 Power distribution system of the bus bar duct type. H. J. Hammerly. 2,453,314, Nov. 9.
 Power dividing device. A. D. Robbins. 2,440,975, May 4.
 Power drive. L. Spraragen. 2,449,020, Sept. 7.
 Power-driven vehicle. L. Schwitzer and J. Roland. 2,443,480, June 15.
 Power element, Thermostatic. J. P. Miller. 2,453,851, Nov. 16.
 Power excavating apparatus. L. N. Walter. 2,437,572, Mar. 9.
 Power factor control. A. J. Dolan. 2,441,995, May 25.
 Power factor regulating apparatus. E. H. Haug. 2,435,214, Feb. 3.
 Power generation, Electronic. L. S. Lappin and R. F. Holtz. 2,447,616, Aug. 24.
 Power generations. W. J. Sweeney, G. H. Cloud, and A. J. Blackwood. 2,443,841, June 22.
 Power input of electrical conductance heaters, Controlling. H. S. Hill and L. R. Beath. 2,454,174, Nov. 16.
 Power intensifier, two stage uniform flow. E. A. Rockwell. 2,448,467, Aug. 31.
 Power installation, Sea wave. P. F. Danel. 2,436,793, Mar. 2.
 Power lawn mower with air filtering screen. H. H. Packwood. 2,445,965, July 27.
 Power lever and engine using the same. R. C. Hof. 2,439,002, Apr. 6.
 Power lift for grain drills. J. H. Starr. 2,449,183, Sept. 14.
 Power loader, Tractor-mounted. R. D. Acton. 2,440,765, May 4.
 Power mechanism. J. D. Bell. 2,445,819, July 27.
 Power-operated check valve. D. G. Griswold. 2,447,408, Aug. 17.
 Power-operated means and control mechanism therefor. W. Ferris. 2,442,164, May 25.
 Power operated mechanism. J. R. Nalbach and W. F. Gresham. 2,439,262, Apr. 6.
 Power-operated skip tabulating mechanism for typewriting machines. R. D. Dodge. 2,451,722, Oct. 19.
 Power-operated wrench. A. E. Church. 2,456,814, Dec. 21.
 Power operating mechanism for typewriting machines. R. von Reppert. 2,453,287, Nov. 9.
 Power output control, High-frequency. L. S. Lappin and R. P. Corporon. 2,453,994, Nov. 16.
 Power plant. W. R. Bruce. 2,443,948, June 22.
 Power plant. R. J. Welsh. 2,434,778, Jan. 20.
 Power plant and its working medium, with operation, Thermal. J. Ackeret. 2,453,886, Nov. 16.
 Power plant and transmission arrangement for agriculture tractors. H. Hutchings. 2,453,069, Nov. 2.
 Power plant comprising a gas turbine and an internal-combustion engine compressor serving as a gas generator thereto. R. J. Welsh. 2,434,777, Jan. 20.
 Power plant, Internal-combustion turbine. W. R. Hawthorne. 2,454,738, Nov. 23.
 Power plant of jet propulsion type, Aircraft. P. E. Mercier. 2,439,817, Apr. 20.
 Power plant, Rotary engine. R. T. Sawyer. 2,445,973, July 27.
 Power plant, Thermal. K. Oechslein. 2,453,928, Nov. 16.
 Power plant using hot air as motivating fluid, Turbine thermal. D. Schmidt. 2,453,938, Nov. 16.
 Power plant with differential speed motor, Hydropneumatic accumulator type. C. L. Helber and F. B. Gross. 2,449,554, Sept. 21.
 Power plant working with a hot gaseous medium. F. Salzmann. 2,446,108, July 27.
 Power position hold for control valves, Automatic. H. Kirkham. 2,448,532, Sept. 7.
 Power recovery from catalytic conversion systems employing fluidized solids. H. K. Wheeler, Jr. 2,449,096, Sept. 14.
 Power regulator. N. Rochester. 2,438,486, Mar. 23.
 Power section of radial engines, Assembling the. T. McDaniel, Jr. 2,443,830, June 22.
 Power shaker. G. W. Carlson. 2,451,199, Oct. 12.
 Power supply. A. W. Friend. 2,452,013, Oct. 19.
 Power supply, Electronically regulated. H. Goldberg. 2,434,069, Jan. 6.
 Power supply for electronic apparatus. L. R. Paust. 2,450,985, Oct. 12.
 Power supply system for carrier communication systems. R. Kelly. 2,440,275, Apr. 27.
 Power supply to multiple loads, High-frequency. J. S. Engel. 2,454,784, Nov. 30.
 Power system. T. X. Lewis. 2,448,813, Sept. 7.
 Power system. E. A. Rockwell. 2,434,588, Jan. 13.
 Power takeoff. F. D. Dale. 2,448,662, Sept. 7.
 Power take-off. C. D. Peterson and E. J. Barth. 2,438,183, Mar. 23.
 Power tool. L. F. Kott. 2,457,565, Dec. 28.

- Power tool. J. A. B. Rancourt. 2,441,288, May 11.
 Power transmission. E. J. Hart. 2,442,169, May 25.
 Power transmission. A. D. Herman and F. T. Harrington. 2,435,834, Feb. 10.
 Power transmission. K. R. Herman. 2,450,729, Oct. 5.
 Power transmission. I. C. Jennings. 2,455,678, Dec. 7.
 Power transmission. A. M. Lane, K. V. Kirkpatrick, and R. A. Erskine. 2,450,733, Oct. 5.
 Power transmission. T. Iavelli. 2,453,794, Nov. 18.
 Power transmission. T. Iavelli and V. E. Matulaitis. 2,455,933, Dec. 14.
 Power transmission. N. Martinez. 2,452,777, Nov. 2.
 Power transmission. V. E. Matulaitis. 2,440,055, Apr. 20.
 Power transmission. C. A. Neracher, W. T. Dunn, T. Iavelli, and A. J. Syrov. 2,455,943, Dec. 14.
 Power transmission. Alternating current controlled. L. A. Trofimov. 2,441,606, May 18.
 Power transmission apparatus. H. F. Hobbs. 2,446,088, July 27.
 Power transmission coupling. M. Ronning. 2,448,278, Aug. 31.
 Power transmission for agricultural implements. T. W. Paul. 2,442,731, June 1.
 Power transmission for helicopter rotors. J. A. Holbrook. 2,456,942, Dec. 21.
 Power transmitting mechanism. A. E. Kimberly, Jr. 2,450,896, Oct. 12.
 Power transmitting mechanism. D. M. Weigel. 2,455,842, Dec. 7.
 Power transmitting mechanism. N. R. Brownier. Re. 23,018, July 27.
 Power-transmitting mechanism. L. R. Buckendale. 2,445,760, July 27.
 Power transmitting mechanism. L. R. Buckendale and B. W. Keese. 2,449,546, Sept. 21.
 Power transmission mechanism. O. E. Fishburn. 2,441,140, May 11.
 Power transmission mechanism. Reversible cyclic. H. T. Avery. 2,439,555, Apr. 13.
 Power transmission system including pressure fluid follow-up servo-motor. M. K. Ingoldby and J. H. Abbink-Spauk. 2,440,687, May 4.
 Power transmission unit. H. K. Flinchbaugh. 2,446,645, Aug. 10.
 Power transmission unit. W. H. Kuner and A. F. Berger. 2,441,276, May 11.
 Power transmission unit, Constant speed dynamoelectric. L. A. Trofimov. 2,441,605, May 18.
 Power transmission, Variable. R. E. Herrstrum. 2,452,754, Nov. 2.
 Power tube. I. W. Cox and L. D. Drugmand. 2,445,564, July 20.
 Power unit. D. E. Rockenfelder. 2,443,803, June 22.
 Power unit. D. L. Lotts, R. T. Bucy, and H. E. Waldron. 2,449,905, Sept. 21.
 Power unit for invalid wheel chairs, Propelling. H. Love, C. E. Britain, B. D. Langton, and R. E. and C. E. Van Gundy. 2,448,992, Sept. 7.
 Practice apparatus, Target. I. H. Wilsey. 2,449,030, Sept. 7.
 Precipitation of basic calcium hypochlorite. R. W. Darbyshire. 2,436,745, Feb. 24.
 Precipitation of cellulose butyrates, Fractional. J. W. Tamblin and D. R. Morey. 2,439,111, Apr. 6.
 Precipitation of hydrous vanadium oxide. W. F. Meister. 2,442,610, June 1.
 Precipitator. G. W. Penney and G. W. Hewitt. 2,448,046, Aug. 31.
 Precision antivibration mountings, Making. L. F. Thiry. 2,446,621, Aug. 10.
 Precision locating tool. A. A. Zeise. 2,437,847, Mar. 16.
 Precision measuring and positioning device. J. M. Rusnak and J. W. Durkee. 2,440,916, May 4.
 Precision radio remote control system. E. L. Rockwood. 2,437,558, Mar. 9.
 Precooling freight cars, Method and apparatus for. A. Y. Preble. 2,434,432, Jan. 13.
 Precooling the lading of refrigerator cars comprising the reversal of air flow. F. J. Reilly. 2,439,487, Apr. 13.
 Precooler system for refrigerated drinking fountains. L. C. Love, C. H. Slaughter, and R. H. Orthoefer, Jr. 2,446,289, Aug. 3.
 Predetermined count control mechanism. K. L. Johanson. 2,441,767, May 18.
 Predetermined-current-drop relay system. De W. D. Merrick. 2,436,444, Feb. 24.
 Predoped fabric, Making. B. R. Hanson. 2,444,507, July 6.
 Prefractionation of hydrocarbon alkylate to eliminate propane. L. Kniel. 2,457,564, Dec. 28.
 Preheater for gaseous fluids with recirculation of gases of combustion, Separately fired. P. H. Karlsson and E. A. Lundstrom. 2,440,774, May 4.
 Preheating and vaporization of fuel for internal-combustion reaction motors. H. Knudsen. 2,438,247, Mar. 23.
 Preheating apparatus. H. F. Yula. 2,457,022, Dec. 21.
 Preheating installation in boilers for quick heating and steaming. R. H. Robinson. 2,455,192, Nov. 30.
 Preparation and isolation of ethylene chlorohydrin. C. Weizmann. 2,456,350, Dec. 14.
 Preparation for the care of the skin. F. Schaaf. 2,437,561, Mar. 9.
 Preparation for treating launderable fabric articles. H. Engler. 2,439,460, Apr. 13.
 Preparation of a stabilized titanium dioxide pigment. A. Pechukas. 2,441,225, May 11.
 Preparation of acetals. W. J. Croxall and H. T. Neher. 2,446,171, Aug. 3.
 Preparation of acetyl peroxide. E. S. Shanley and H. G. Hyatt. 2,439,399, Apr. 13.
 Preparation of alpha, omega-dicarboxylic acids. S. L. Scott. 2,436,269, Feb. 17.
 Preparation of an alumina-group VI oxide catalyst. W. J. Mattox. 2,438,569, Mar. 30.
 Preparation of arylaliphatic amines. C. M. Suter and A. W. Weston. 2,441,518, May 11.
 Preparation of benzotetronic acid. M. E. Hultquist. 2,439,302, Apr. 6.
 Preparation of β,β' -dicyanodiethyl cyanamide. I. Hechenbleikner. 2,443,504, June 15.
 Preparation of catalysts. A. G. Oblad and E. R. Boedeker. 2,466,100, July 27.
 Preparation of chlorine. E. V. Murphree. 2,436,870, Mar. 2.
 Preparation of cyclopentadiene. S. J. Hetzel and R. M. Kennedy. 2,438,400, Mar. 23.
 Preparation of cyclopentadiene. R. M. Kennedy. 2,438,398, Mar. 23.
 Preparation of cyclopentadiene. R. M. Kennedy and S. J. Hetzel. 2,438,399, Mar. 23.
 Preparation of cyclopentadiene. R. M. Kennedy and S. J. Hetzel. 2,438,401-3, Mar. 23.
 Preparation of dihydroxanthopterin and xanthopterin. G. H. Hitchings. 2,437,853, Mar. 16.
 Preparation of dipentaerythritol hexanitrate. J. A. Wyler. 2,437,582, Mar. 9.
 Preparation of diphenylacetone nitrile. J. Mills. 2,447,419, Aug. 17.
 Preparation of fat soluble vitamins. L. Freedman. 2,438,554, Mar. 30.
 Preparation of fluorine-containing cyclic hydrocarbons. The. A. D. Kischitz, C. I. Gochenour, and R. E. Brailsford. 2,449,233, Sept. 14.
 Preparation of fluorine hydrocarbon compounds. A. L. Barney. 2,437,143, Mar. 2.
 Preparation of gamma-dibutylaminopropanol. A. W. Weston. 2,437,984, Mar. 16.
 Preparation of improved drying oils. E. S. Barnitz. 2,437,343, Mar. 9.
 Preparation of lactic-acid bacteria. E. G. Mejlbo. 2,442,502, June 1.
 Preparation of multiend yarn packages. W. Bolton, Jr. 2,439,645, Apr. 13.
 Preparation of n,n' ethyleneurea. A. T. Larson, D. J. Loder, and H. R. Dittmar. 2,436,311, Feb. 17.
 Preparation of nonsintered iron catalyst. M. M. Stewart. 2,438,584, Mar. 30.
 Preparation of 1-chloro-3-bromo-2-(2-chloroethoxy)-propane and the compound prepared. R. M. Vance and A. G. Horney. 2,437,866, Mar. 16.
 Preparation of salts of mono-organo silanols. J. F. Hyde and O. K. Johannson. 2,438,055, Mar. 16.
 Preparation of tetrahalogenated benzenes and benzole acids. W. E. Cass. 2,439,237, Apr. 6.
 Preparation of tetrahalogenopyrazines. J. M. Sayward and J. K. Dixon. 2,442,473, June 1.
 Preparation of 2-acetonilazoles. A. W. Anish and C. A. Clark. 2,447,456, Aug. 17.
 Preparation of 2-amino-5-chloropyrimidine. M. E. Hultquist. 2,436,360, Feb. 17.
 Preparation of vinyl chloride. T. Boyd. 2,446,123, July 27.
 Preparation of vinyl chloride. J. A. Bralley. 2,436,710-11, Feb. 24.
 Preparing and coking bituminous coal. E. J. Schabelitz. 2,453,544, Nov. 9.
 Preparing and packing menhaden for marketing. G. T. Harrison. 2,453,625, Nov. 9.
 Preparing nordihydroguaiaretic acid and intermediates. G. P. Mueller, E. T. Stiller, and S. V. Lieberman. 2,456,443, Dec. 14.
 Preparing weldable ferrous members having high carbon faces. J. W. Steinmeyer. 2,439,637, Apr. 13.
 Prerinsing apparatus for container washers. E. R. Alling and J. C. Kneppar. 2,456,040, Dec. 14.
 Prerotation means for airplane landing wheels. J. F. Perkins. 2,451,771, Oct. 19.
 Prerotation of aircraft wheels, causing. J. R. Cautley. 2,452,633, Nov. 2.
 Preservation of blood plasma and the like by freezing and drying. M. M. Strumia. 2,441,730, May 18.
 Preservation of cellulosic materials. F. J. Meyer. 2,449,787, Sept. 21.
 Preservation process. K. C. D. Hickman. 2,440,606, Apr. 27.
 Preserving caustic soda from contamination in metal containers. J. L. Switzer and J. C. Michalek. 2,453,471, Nov. 9.
 Preset switch. M. L. Glogau. 2,438,970, Apr. 6.

Press: See—

- Automatic molding press. Plastic molding press.
Building block molding press. Rotary intaglio printing press.
Drill press. Rotary printing press.
Extensible drill press. Self-inking sela press.
Extraction press. Shoe press.
Extrusion press. Utility press.
Hand press. Wire cutting and bending press.
Hydraulic press.
Metal press.
Multiple buck laundry press.
- Press. J. W. Brundage. 2,443,573, June 15.
Press. M. L. Donohoo. 2,434,036, Jan. 6.
Press. R. J. Hess. 2,434,849, Jan. 20.
Press. F. Lijjynen. 2,449,133, Sept. 14.
Press and case, Necktie. K. P. Abbe. 2,446,733, Aug. 10.
Press arrangement. S. M. Bratton. 2,448,295, Aug. 31.
Press assembly. R. P. Frost. 2,439,725, Apr. 13.
Press control system. W. Ernst. 2,443,345, June 15.
Press for powdered metals. W. R. Tucker. 2,449,257, Sept. 14.
Press for precision work, Stamping. J. A. Chappuis. 2,448,136, Aug. 31.
Press for propeller blade sections. F. A. Gruetjen. 2,448,179, Aug. 31.
Press for the covering of electrode rods. K. Gloor. 2,457,459, Dec. 28.
Press having slidable platen supports provided with clamping faces, Metal-stretching. R. J. Lindsey. 2,437,105, Mar. 2.
Press motor and control valve therefor, Fluid. C. Eisen. 2,449,889, Sept. 21.
Press system with control means yielding high-speed operation thereof, Hydraulic. E. Cannon. 2,449,639, Sept. 21.
Press tool. E. Engel and M. Salamon. 2,437,945, Mar. 16.
Press with auxiliary ejector circuit. W. Ernst, J. A. Muller, and V. S. Shaw. 2,443,311, June 15.
Pressed articles from powders, Forming. J. S. Pecker and H. A. Simpson. 2,449,008, Sept. 7.
Presser foot and gauge for sewing machines, Combination. D. Feigenbaum. 2,441,478, May 11.
Presser foot for sewing machines. R. J. Sailer. 2,446,852, Aug. 10.
Pressing apparatus, Electrostatic. E. C. Pitman. 2,449,317, Sept. 14.
Pressing machine and linkage mechanism for transmitting and transforming force for use therein. F. C. Lornitzo. 2,451,844, Oct. 19.
Pressing machine and multiple lever linkage mechanism for transmitting and transforming force for use therein. F. C. Lornitzo and H. G. Beede. 2,451,845, Oct. 19.
Pressing machine, Multiple buck. W. A. Johnston. 2,441,358, May 11.
Pressing machine, Seam. A. S. Clark and E. M. Spence, Sr. 2,440,675, May 4.
Pressing machine tail clamp. O. H. Pearson. 2,456,145, Dec. 14.
Pressing machine, Taping and seam. J. M. Calder. 2,442,035, May 25.
Pressing means for sole attaching machines, Welt. C. K. Woodman. 2,450,069, Sept. 28.
Pressure actuator for brakes. J. T. Dickson. 2,446,694, Aug. 10.
Pressure-applying device. H. E. Page. 2,445,630, July 20.
Pressure booster for hydraulic brake systems. J. G. Ingres. 2,433,953, Jan. 6.
Pressure boosting means for braking systems, Hydraulic. R. R. Gunderson. 2,452,651, Nov. 2.
Pressure control, Aircraft cabin. J. Jerger. 2,449,231, Sept. 14.
Pressure control arrangement, Aircraft cabin. F. E. Crever and L. A. Burton. 2,435,819, Feb. 10.
Pressure control, Cabin. P. F. Bechberger. 2,450,076, Sept. 28.
Pressure control equipment, Well. R. A. Mueller. 2,442,548, June 1.
Pressure control for hydraulic systems. E. E. Wemp. 2,446,730, Aug. 10.
Pressure control mechanism, Fluid. W. A. Eaton. 2,451,160, Oct. 12.
Pressure control, Resistance welding forging. L. D. Runkle. 2,452,070, Oct. 26.
Pressure controlled power steering mechanism, Fluid. H. W. Price. 2,447,815, Aug. 24.
Pressure controlled self-closing valve. J. F. Molloy. 2,453,450, Nov. 9.
Pressure controlling apparatus. W. W. Paget. 2,441,592, May 15.
Pressure cooker cover structure. W. C. Lueneburg. 2,456,134, Dec. 14.
Pressure cylinder. G. M. Geiger and H. A. Donnenwirth. 2,443,312, June 15.
Pressure-detecting covering. W. C. Green. 2,440,198, Apr. 20.
Pressure device and actuating fluid therefor, Hydraulic. F. J. Sowa. 2,449,335, Sept. 14.
Pressure device for camera mechanisms and filler inserts therefor. J. Fairbanks. 2,451,161, Oct. 12.
Pressure device, Shoe sole. S. Plawker. 2,457,720, Dec. 28.
Pressure dressing, First-aid. J. L. Gallagher. 2,453,705, Nov. 16.
Pressure fluid controlling device. P. A. Lincoln. 2,437,856, Mar. 16.
Pressure gage and switch, Balanced. D. L. Rigden. 2,437,440, Mar. 9.
Pressure gauge. E. J. Courtney. 2,447,739, Aug. 24.
Pressure head box for paper machines. W. P. Shannon. 2,451,305, Oct. 12.
Pressure indicator. W. V. Eslinger and W. N. Barton. 2,452,296, Oct. 26.
Pressure indicator. C. E. Grinstead and R. N. Frawley. 2,439,047, Apr. 6.
Pressure intensifier. W. P. Cousino. 2,452,292, Oct. 26.
Pressure intensifier, Pressure fluid operated. E. R. Price. 2,450,160, Sept. 28.
Pressure intensifier unit, Hydraulic. G. R. Elliott. 2,440,654, Apr. 27.
Pressure measuring apparatus. W. J. Hudson. 2,439,342, Apr. 6.
Pressure mechanism. J. T. Lancaster. 2,450,969, Oct. 12.
Pressure meter. F. Rieber. 2,455,021, Nov. 30.
Pressure-molding apparatus. G. E. Megow and H. G. Thomson. 2,440,806, May 4.
Pressure operated valve. W. O. Lum. 2,436,815, Mar. 2.
Pressure regulating valve. P. C. Temple. 2,435,057, Jan. 27.
Pressure regulator for instrument housings. F. D. Brad-don. 2,439,793, Apr. 20.
Pressure release. C. E. Burt. 2,453,891, Nov. 16.
Pressure release, Safety. J. J. Santiago. 2,437,836, Mar. 16.
Pressure relief device. L. M. Cooper. 2,440,462, Apr. 27.
Pressure relief valve. G. J. Henry. 2,448,429, Aug. 31.
Pressure responsive switching device. D. O. Kocmich. 2,444,163, June 29.
Pressure responsive valve. C. C. S. LeClair. 2,436,147, Feb. 17.
Pressure seal for aircraft. R. H. Terepin and H. W. Der-rick, Jr. 2,443,751, June 22.
Pressure sealing device, Automatic. H. A. Swallow and T. A. De Vilbiss. 2,446,620, Aug. 10.
Pressure sheeting of dough. J. Buechek. 2,456,371, Dec. 14.
Pressure switch. W. H. Gille. 2,454,647, Nov. 23.
Pressure switch. W. L. W. Ogden and W. R. Ryan. 2,437,473, Mar. 9.
Pressure switch. N. J. Smith. 2,462,500, Oct. 26.
Pressure switch. N. J. Smith. 2,456,844, Dec. 21.
Pressure switch. J. W. Richbourg. 2,451,412, Oct. 12.
Pressure system. A. E. Kittridge. 2,448,604, Sept. 7.
Pressure unloader for compressors. J. Felser, Jr. 2,449,740, Sept. 21.
Pressure welding machine. E. F. Gibian. 2,439,246, Apr. 6.
Prestressed sucker rod. P. F. Rossmann. 2,453,079, Nov. 2.
Pretreatment of reaction zone containing iron oxide. O. Gerbes. 2,436,564, Feb. 24.
Prevention of afterburning in fluidized catalytic cracking processes. L. S. Kassel. 2,436,927, Mar. 2.
Prevention of mist and frost on glass and similar sheet material. R. H. Sapiro. 2,454,886, Nov. 30.
Prevention of siliceous deposits in hydrocarbon conversion processes. P. M. Waddill. 2,456,348, Dec. 14.
Price tag molding having a slide held tag and a trans-parent cover strip. R. J. and J. R. Slavsky. 2,451,581, Oct. 19.
Primary aliphatic amine salts of di-aliphatic substituted mono-thiophosphoric acids. H. G. Smith, T. L. Cantrell and M. L. Hill. 2,447,288, Aug. 17.
Primary or secondary alcoholic hydroxyl groups or aldehyde groups, Oxidizing. L. G. Farkas and O. Schächter. 2,444,924, July 13.
Primer. E. D. Regad and A. T. Anderson. 2,436,826, Mar. 2.
Primer, Engine. A. L. Parker and J. F. Melichar. 2,450,295, Sept. 28.
Primer pocket reaming apparatus and the like. G. T. Smiley. 2,443,807, June 22.
Primers, Manufacturing. L. T. Meister. 2,455,380, Dec. 7.
Printed fabrics, Producing. A. S. Jones and G. B. Stack-pole. 2,454,391, Nov. 23.
Printer and control system therefor. W. Y. Lang. 2,437,698, Mar. 16.
Printer for Morse code signals. R. E. Mathes. 2,436,441, Feb. 24.
Printer for motion pictures, Continuous drum. G. F. Rackett. 2,444,785, July 6.
Printer, Fragmentary character. E. M. Deloraine. 2,457,133, Dec. 28.
Printer, Pneumatically operated contact. W. L. De Lano. 2,445,566, July 20.
Printing appliance. J. P. Gowland. 2,450,656, Oct. 5.
Printing control means for cash registers. E. C. Carter and C. G. Dudis. Re. 22,999, May 11.
Printing device. C. J. Hueber. 2,456,943, Dec. 21.
Printing ink. A. Voet. 2,453,558, Nov. 9.
Printing ink containing a lignin compound, Liquid. C. E. Irion. 2,449,230, Sept. 14.
Printing ink, Silk screen. W. Heinecke. 2,450,959, Oct. 12.
Printing inks, Emulsion. A. Voet. 2,450,534, Oct. 5.

- Printing machine. J. H. Gruver and H. A. Seeley. 2,456,273, Dec. 14.
- Printing machine. W. A. Whitehead. 2,444,547, July 6.
- Printing names on cards. C. H. Freund. 2,436,691, Feb. 24.
- Printing plate and base mount therefor. W. A. Madigan. 2,455,075, Nov. 30.
- Printing plate. Stereotype cylinder. G. A. Hiester. 2,454,170, Nov. 16.
- Printing plate. Treated planographic. C. H. Van Dusen, Jr. 2,448,749, Sept. 7.
- Printing plate whirler. F. A. Hacker. 2,455,761, Dec. 7.
- Printing plates having shaded designs, Making cast. E. S. Schulz. 2,442,022, May 25.
- Printing press frame. E. W. Worthington. 2,447,887, Aug. 24.
- Printing surfaces and photomechanical reproduction generally. F. G. Yanes. 2,441,609, May 18.
- Printing telegraph system. H. O. Rugh. 2,453,269, Nov. 9.
- Printing telegraph tape loop indicator. L. M. Potts. 2,441,207, May 11.
- Printing unit and drive mechanism therefor. J. A. Riggs, E. W. Worthington, and C. V. Kneil. 2,447,872, Aug. 24.
- Printing with vat colors. C. A. Amick and R. H. Klenle. 2,451,270, Oct. 12.
- Prism, Light-polarizing. C. D. West. 2,447,828, Aug. 24.
- Prism system and prism system mount for optical viewing instruments. B. T. Maxwell. 2,456,521, Dec. 14.
- Prism, Ultrasonic. W. P. Mason. 2,434,667, Jan. 20.
- Process and apparatus for coagulating a coagulable fluid. T. A. Te Grotenhuis. 2,450,457, Oct. 5.
- Process and apparatus for monitoring synchronizing generators. H. E. Beste. 2,448,762, Sept. 7.
- Process and apparatus for producing alcohol by fermentation. A. R. de Mattos. 2,451,156, Oct. 12.
- Process and culture media for producing penicillin. O. K. Behrens and J. W. Corse. 2,449,195, Sept. 14.
- Process and culture medium for producing penicillin. O. K. Behrens, R. G. Jones, and Q. F. Soper. 2,449,193, Sept. 14.
- Process and die for extruding tubular plastic products. G. F. Taylor. 2,437,625, Mar. 9.
- Process and paste for printing fabrics made of cellulose, such as textile fabrics, paper and the like, with chromium mordant dyestuffs. E. Tschan. 2,456,471, Dec. 14.
- Process camera lens scale. J. H. Eagle and C. M. Lee. 2,443,158, June 8.
- Process of and apparatus for producing titanium dioxide. A. Pechukas. 2,450,156, Sept. 28.
- Processing apparatus, Food. H. A. Hooper. 2,452,657, Nov. 2.
- Processing plastic sheets. S. Gordon. 2,438,281, Mar. 23.
- Prod. Safety. S. H. Sorensen. 2,457,506, Dec. 28.
- Prodier, Electric. L. D. Haffner. 2,441,812, May 18.
- Producing colloidal fuel. C. S. Reed. 2,453,641, Nov. 9.
- Producing commercial castings. R. Neiman. 2,456,424, Dec. 14.
- Producing electrodeposited nickel strip containing boron. M. P. Buck. 2,456,370, Dec. 14.
- Producing extremely short waves, Process and apparatus for. P. M. G. Toulon. 2,434,446, Jan. 13.
- Producing face clutches. E. Wildhaber. 2,438,329, Mar. 23.
- Producing medullated artificial filaments. E. L. Coe. 2,439,039, Apr. 6.
- Producing optical elements from commercial plate glass, Method and apparatus for. I. G. Fowler and D. W. Dunlap. 2,452,364, Oct. 26.
- Producing power. E. Jacobsen. 2,445,483, July 20.
- Product and method of making fused litharge particles coated with red lead. M. F. Chubb. 2,448,353, Aug. 31.
- Production and concentration of butadiene. E. D. Reeves. 2,436,600, Feb. 24.
- Production of alkenyl cyanides, Method and catalysts for the. H. S. Nutting and A. R. Sexton. 2,436,774, Feb. 24.
- Production of aminopropionitriles. J. K. Dixon and E. W. Cook. 2,439,359, Apr. 6.
- Production of aqueous sols of hydrous oxides. J. W. Ryznar. 2,438,230, Mar. 23.
- Production of branched chain hydrocarbons catalyzed by a metal halide catalyst supported by a composite of alumina and titania. E. W. M. Fawcett, G. I. Jenkins, and J. Habeshaw. 2,437,948, Mar. 16.
- Production of carbon monoxide. J. A. B. Ödberg. 2,447,426, Aug. 17.
- Production of catalysts. R. C. Archibald, B. S. Greensfelder, and F. T. Eggertsen. 2,438,379, Mar. 23.
- Production of chlorine-containing pyran derivatives. P. A. Hawkins and N. Bennett. 2,443,388, June 15.
- Production of derivatives of 3-substituted 2,4 diketones. A. B. Boese, Jr. 2,438,894, Apr. 6.
- Production of dicarboxylic acids or anhydrides thereof. I. E. Levine. 2,438,369, Mar. 23.
- Production of diolefins. T. H. Whaley. 2,437,773, Mar. 16.
- Production of filaments from solids, Method and apparatus for the. F. W. Manning. 2,437,263, Mar. 9.
- Production of 4-keto pimelic acid. F. G. Singleton. 2,436,532, Feb. 24.
- Production of gasproof compound fabrics. L. A. Lantz and A. Schofield. 2,438,176, Mar. 23.
- Production of halogenated hydrocarbons containing fluorine. R. S. Hovey and P. H. Carnell. 2,439,299, Apr. 6.
- Production of mashed potato powder. A. K. Willets and T. Rendle. 2,439,119, Apr. 6.
- Production of methacrylic acid. G. A. Harrington and E. Gorin. 2,438,164, Mar. 23.
- Production of 1,2-disubstituted 3-cyanoguanidines. H. Z. Lecher, R. P. Parker, and R. S. Long. 2,438,124, Mar. 23.
- Production of 1:5-pentanediol. J. G. M. Bremner and F. Starkey. 2,440,929, May 4.
- Production of organic acids. I. A. Pearl. 2,438,789, Mar. 30.
- Production of organic mercaptans. A. Loverde. 2,456,588, Dec. 14.
- Production of polycyclic hydrocarbons. W. J. Mattox. 2,436,932, Mar. 2.
- Production of print pictures on print bodies. E. H. Schwarz. 2,437,005, Mar. 2.
- Production of pyran derivatives. P. A. Hawkins and N. Bennett. 2,436,645, Feb. 24.
- Production of textile filaments, fibers, and yarns. T. A. Feild, Jr., E. W. Rugeley, and J. L. Petrokubi. 2,438,968, Apr. 6.
- Production of thermoplastic-polymeric material. H. Dreyfus. 2,440,256, Apr. 27.
- Production of thioketones. De L. E. Winkler and S. A. Ballard. 2,437,985, Mar. 16.
- Production of thiophenols. S. A. Ballard and De L. E. Winkler. 2,438,838, Mar. 30.
- Production of toluene by catalytic cracking of monoalkyl benzenes. W. J. Mattox. 2,438,570, Mar. 30.
- Products of cholesteryl esters with polyethylene glycol and producing same, Condensation. L. L. Lerner. 2,437,261, Mar. 9.
- Profiling device. C. O. Rothweiler. 2,449,252, Sept. 14.
- Progesterone, Procedure for preparation of. P. L. Julian, J. W. Cole, A. Magnani, and H. E. Conde. 2,433,848, Jan. 6.
- Progressive selecting circuit. A. E. Joel, Jr. 2,451,489, Oct. 19.
- Projectile. G. W. Blackinton and J. J. Calhoun. 2,441,388, May 11.
- Projectile. D. J. Detrich. 2,444,283, June 29.
- Projectile. G. A. Miller, Jr. 2,453,151, Nov. 9.
- Projectile. H. J. Nichols. 2,435,095, Jan. 27.
- Projectile. S. M. Zandmer. 2,448,343, Aug. 31.
- Projectile, Dummy. M. Shapiro. 2,447,033, Aug. 17.
- Projectile, Explosive. D. G. Stine. 2,452,269, Oct. 26.
- Projectile, Incendiary. C. A. Dixon. 2,446,082, July 27.
- Projectile game apparatus. C. A. McAleer. 2,441,641, May 18.
- Projectile, Rocket. L. A. Skinner. 2,440,305, Apr. 27.
- Projectile, Self-controlled. W. A. Ayres. 2,448,007, Aug. 31.
- Projectiles, Making. R. T. Hurley. 2,440,952, May 4.
- Projecting and viewing device, Hand-carried motion picture. L. A. Harvey. 2,451,947, Oct. 19.
- Projecting apparatus. G. C. Walters. 2,449,187, Sept. 14.
- Projecting motion pictures, Method and apparatus for. F. Waller. 2,438,878, Mar. 30.
- Projection apparatus and diapositive adjustment means, Photogrammetric. J. V. Sharp and O. W. Boughton. 2,456,333, Dec. 14.
- Projection apparatus for chance selected indicia. H. E. Seaman. 2,457,280, Dec. 28.
- Projection apparatus, Optical. K. Mitchell. 2,457,170, Dec. 28.
- Projection apparatus, Visual inspection. R. D. McDill. 2,456,296, Dec. 14.
- Projection cathode-ray tube. L. W. Parker. 2,457,175, Dec. 28.
- Projection device for television apparatus. H. McD. Rundle. 2,438,022, Mar. 16.
- Projection instrument for rectifying oblique photographs. N. H. Juran. 2,453,134, Nov. 9.
- Projection light source for photographic devices. R. C. Johnston. 2,438,219, Mar. 23.
- Projection method for measuring the inner contours of wire drawing dies. F. C. Elder. 2,444,639, July 6.
- Projection of stereoscopic images. E. H. Wright. 2,437,061, Mar. 2.
- Projector: See—
Cinematographic rotatable prism projector.
- Projector adapter for showing still pictures, Motion picture. J. E. Dickman. 2,438,333, Mar. 23.
- Projector and cap exploder, Elastic band. T. F. Burton. 2,455,558, Dec. 7.
- Projector and incandescent lamp therefor, Electric headlamp. R. K. Braunsdorf. 2,454,765, Nov. 30.
- Projector and receiver of supersonic frequencies. R. W. Gillespie. 2,448,365, Aug. 31.
- Projector and viewer, Picture. H. Roger. 2,439,987, Apr. 20.
- Projector, Cathode-ray tube. C. S. Czegho. 2,435,296, Feb. 3.
- Projector control device, Movie. G. K. Gould. 2,437,252, Mar. 9.
- Projector for amusement devices, Coin and disk. R. S. Oakes. 2,454,939, Nov. 30.
- Projector for game boards, Spring-actuated. L. Colaluca. 2,455,978, Dec. 14.

- Projector for liquid and pulverulent or small material. G. S. Higginson. 2,457,557, Dec. 28.
- Projector for microscopes and other magnifying devices. E. C. Weiskopf. 2,435,300, Feb. 3.
- Projector lamp housing and cooling system therefor. O. R. Nemeth. 2,456,530, Dec. 14.
- Projector, Light. P. P. Jones. 2,440,955, May 4.
- Projector, Motion-picture. R. A. Clapp. 2,455,918, Dec. 14.
- Projector, Motion-picture. R. J. Miller. 2,439,981, Apr. 20.
- Projector, Motion-picture. M. H. Press. 2,434,518, Jan. 13.
- Projector, Multiprogram. R. C. Engelken. 2,434,200, Jan. 6.
- Projector, Nonintermittent cinematographic. F. F. Ehrenhaft. 2,454,504, Nov. 23.
- Projector of the continuously moving film type, Sound picture magazine. R. Jones. 2,449,705, Sept. 21.
- Projector, Radio dial scales. H. Atwood, Jr. 2,435,564, Feb. 10.
- Projector, Rocket. D. F. Stevens. 2,455,101, Nov. 30.
- Projector slide viewer. W. Sturgess. 2,445,929, July 27.
- Projector, Toy moving picture. T. S. MacMechan. 2,452,776, Nov. 2.
- Projector, Warming-light. J. D. Kennelly. 2,442,569, June 1.
- Prolamine-base protein compositions, Plasticized. W. L. Morgan. 2,452,314, Oct. 26.
- Prolamine-base protein compositions, Plasticized. W. L. Morgan and C. R. Faeltens. 2,452,313, Oct. 26.
- Prolamine-base protein compositions, Plasticized. W. L. Morgan and C. R. Faeltens. 2,452,315, Oct. 26.
- Prolamines, Making. L. O. G. Pearce. 2,448,002, Aug. 24.
- Prop, Telescopic tubular. E. C. Gillet. 2,450,374, Sept. 28.
- Propellant and manufacturing. G. C. Hale. 2,440,267, Apr. 27.
- Propeller. H. L. Milner. 2,434,506, Jan. 13.
- Propeller. H. C. Rorden. 2,435,604, Feb. 10.
- Propeller, Adjustable pitch. G. W. Hardy. 2,435,540, Feb. 3.
- Propeller, Aircraft. B. V. Holberton. 2,442,691, June 1.
- Propeller, Aircraft. H. M. McCoy. 2,437,701, Mar. 16.
- Propeller, Airplane. D. W. Main. 2,436,113, Feb. 17.
- Propeller, Airplane, and adjusting same. J. G. Littrell. 2,457,576, Dec. 28.
- Propeller assembly. J. B. Grady. 2,438,661, Mar. 30.
- Propeller blade, bearing and seal assembly. M. E. Cushman. 2,438,542, Mar. 30.
- Propeller blade, Hollow. C. J. Snyder. 2,450,455, Oct. 5.
- Propeller blades, Making internally reinforced hollow. G. W. Brady. 2,457,202, Dec. 28.
- Propeller blades, Producing. F. B. Stulen. 2,440,127, Apr. 20.
- Propeller construction. P. F. Hackethal and R. Karey. 2,444,196, June 29.
- Propeller, Controllable pitch. W. E. Greenwood. 2,443,239, June 15.
- Propeller drive. J. S. Hasbrouck. 2,444,227, June 29.
- Propeller drive, Auxiliary. R. P. Martin. 2,435,401, Feb. 3.
- Propeller for airships and housing therefor, Auxiliary. M. Gliwa. 2,437,353, Mar. 9.
- Propeller governor. C. W. Chilson. 2,449,452, Sept. 14.
- Propeller hub arrangement, Sealed. J. H. Sheets. 2,436,612, Feb. 24.
- Propeller hubs, Forming. G. W. Hardy. 2,450,660, Oct. 5.
- Propeller mechanism. W. J. Blanchard and C. S. J. MacNeil. 2,451,059, Oct. 12.
- Propeller mounting. R. E. Sharpes. 2,444,539, July 6.
- Propeller transmission means. A. Mas. 2,445,446, July 20.
- Propeller, Tilting balanced duplex. A. B. Zimmerman. 2,450,821, Oct. 5.
- Propeller with variable pitch, Reversible. C. Hautier. 2,440,046, Apr. 20.
- Propelling device. H. M. Morrill. 2,456,440, Dec. 14.
- Propenyl ethacel. O. J. Weinkauff. 2,457,074, Dec. 21.
- Propulsion and boundary layer control for aircraft. E. A. Stalker. 2,447,100, Aug. 17.
- Propulsion controls, Ship. E. Frisch and M. R. Lory. 2,447,643, Aug. 24.
- Propulsion drive. E. Frisch. 2,451,936, Oct. 19.
- Propulsion means, Aircraft. C. H. Zimmerman. 2,452,281, Oct. 26.
- Propulsion means for boats. J. Napoli. 2,456,834, Dec. 21.
- Prosthetic articles, Making. A. and M. Tenenbaum. 2,453,604, Nov. 9.
- Prosthetic wrist. J. K. Northrop and M. J. Nagy. 2,457,316, Dec. 28.
- Protecting attachment for hair driers. M. S. Fears. 2,453,364, Nov. 9.
- Protecting device for aircraft personnel, Body. J. Martin. 2,457,252, Dec. 28.
- Protecting device for industrial gloves. I. W. Millard and E. W. Beatty. 2,437,886, Mar. 16.
- Protecting the surface of articles formed from a magnesium alloy. C. W. Clark and W. A. Sheaffer. 2,438,740, Mar. 30.
- Protection device for electric batteries. A. J. Ducruet. 2,441,348, May 11.
- Protection of thyatron in impulse generating circuits. E. D. Burlingame, R. W. Carlson, M. G. Nicholson, Jr., and M. C. Scott. 2,438,962, Apr. 6.
- Protective and control arrangement, Motor. L. H. Sperow. 2,441,851, May 18.
- Protective apparatus for preventing accumulation of ice on airfoils. E. E. Heston. 2,436,889, Mar. 2.
- Protective apparatus for preventing the accumulation of ice on airfoils. E. E. Heston. 2,446,328, Aug. 3.
- Protective appliance, Sanitary. A. Wayne. 2,448,938, Sept. 7.
- Protective circuit. E. F. Kurtz. Re. 22,973, Feb. 10.
- Protective circuit. C. E. Torsch. 2,444,902, July 6.
- Protective device. R. S. Stetson. 2,435,167, Jan. 27.
- Protective device. W. A. Stewart. 2,434,084, Jan. 6.
- Protective device and the manufacture thereof. W. W. Watrous, Jr. 2,451,184, Oct. 12.
- Protective device, Electrical. H. R. Treece and R. A. Wilkinson. 2,449,961, Sept. 21.
- Protective device for direct-current plants. A. Goldstein. 2,441,484, May 11.
- Protective device for horses' legs. J. Polinsky. 2,449,410, Sept. 14.
- Protective device, Overload. C. W. Kuhn. 2,450,600, Oct. 5.
- Protective electrical outlet receptacle. S. A. Mickler. 2,441,643, May 18.
- Protective hood, Dust. E. A. Clement. 2,436,249, Feb. 17.
- Protective screen. L. E. Willett. 2,436,277, Feb. 17.
- Protective switch. S. R. Smith, Jr. 2,452,961, Nov. 2.
- Protective system. G. D. Hanchett, Jr. 2,457,663, Dec. 28.
- Protective system for a direct-current load circuit, Overcurrent. D. E. Maxwell. 2,440,108, Apr. 20.
- Protective system for current converters utilizing differentially connected saturable reactors. K. Lerstrup. 2,434,214, Jan. 6.
- Protective system for electric motors. H. S. Ogden. 2,456,427, Dec. 14.
- Protector: See—
- Bolt protector.
 - Check protector.
 - Circuit protector.
 - Compressor load protector.
 - Door lock protector.
 - Ear protector.
 - Embalmer's protector.
 - Eye protector.
 - Garment protector.
 - Head and clothing protector.
 - Hosiery protector.
 - Lipstick dress protector.
 - Neck and ear protector.
 - Scalp protector.
 - Shoe protector.
 - Stocking and leg protector.
 - Stocking heel protector.
 - Stocking protector.
 - Stocking toe protector.
 - Waterproof hosiery protector.
- Protector. B. Lupo. 2,435,688, Feb. 10.
- Protector and means thereon for holding the same in place, Bunion. M. B. Goldbaum. 2,438,364, Mar. 23.
- Protector applying and installing apparatus, Drill pipe. A. M. Graham. 2,440,009, Apr. 20.
- Protector for boilers, Seam. J. E. Anderson. 2,437,634, Mar. 9.
- Protector for hats. J. V. Samuels. 2,444,617, July 6.
- Protector for permanent waving machines. E. A. Tefft. 2,440,881, May 4.
- Protector for the doors of vehicles. R. W. Tadd. 2,456,157, Dec. 14.
- Protector for nursing mothers. M. M. Stevens. 2,436,977, Mar. 2.
- Protector for trigger hands, Finger. W. Ugazio and E. C. Boccafogli. 2,457,755, Dec. 28.
- Protector for welding machines, Electrode. H. E. Wallace. 2,434,025, Jan. 6.
- Protector pad. J. A. Krcmar. 2,446,654, Aug. 10.
- Protein hydrolysis. D. Melnick. 2,456,297, Dec. 14.
- Proteinaceous waste liquids, Utilizing. V. L. Erlich. 2,446,913, Aug. 10.
- Proteins and products thereof, Plasticizing. R. P. Carlton and H. C. Brinker. 2,434,906, Jan. 27.
- Proteins from soybeans in presence of blanketing agents and enzyme inhibitors, Recovery of. F. E. Calvert. 2,451,659, Oct. 19.
- Proteogenous substances, Solubilizing. J. A. Reyniers. 2,454,837, Nov. 30.
- Provitamin D composition, Stable. H. R. Rosenberg and W. W. Woessner. 2,434,015, Jan. 6.
- Proximity and direction indicator. F. E. Best. 2,457,199, Dec. 28.
- Proximity fuse testing apparatus. N. Johnson and W. E. Bradley. 2,448,889, Sept. 7.
- Pry-and-boom structure, Combination. K. W. Couse. 2,446,410, Aug. 3.
- Pterins, Preparation of. D. B. Cosulich. 2,444,005, June 22.
- Pterins, Preparing. M. E. Hultquist and P. F. Dreisbach. 2,443,165, June 8.
- Pteridins, Synthesis of substituted. J. H. Mowat. 2,436,073, Feb. 17.
- Pteric acid amides, Purification of. B. L. Hutchings. 2,457,375, Dec. 28.
- Pull for sliding glass panels. E. M. Borchers. 2,447,389, Aug. 17.
- Pull-off and clamp for thread cutters. R. G. Turner. 2,446,444, Aug. 3.
- Pull-out device. M. W. Lewis. 2,444,518, July 6.

- Puller: See—
 Bolt puller.
 Fuse puller.
 Hog jaw puller.
 Nail puller.
- Puller and cutter, Rivet stem. C. R. Buchet. 2,438,201, Mar. 23.
- Puller, Valve. H. L. Oserowsky. 2,450,293, Sept. 28.
- Pulley, Aircraft cable guide. C. F. Young. 2,446,318, Pulley aligner. G. E. Judd. 2,435,085, Jan. 27.
- Pulley block. H. B. Bercaw. 2,453,963, Nov. 16.
- Pulley, Variable pitch V-type. W. M. Mueller and J. E. Heckethorn. 2,447,958, Aug. 24.
- Pulley, Variable speed clutch. H. Honigman. 2,446,703, Aug. 10.
- Pulling apparatus. L. F. Price. 2,451,117, Oct. 12.
- Pulling apparatus, Tree. H. M. Ferguson. 2,436,510, Feb. 24.
- Pulper and selector, Continuous. H. D. Wells. 2,434,449, Jan. 13.
- Pulpstone. H. W. H. Beth. 2,450,226, Sept. 28.
- Pulpstone. H. W. H. Beth. 2,450,227, Sept. 28.
- Pulpstone. G. N. Jeppson. 2,447,943, Aug. 24.
- Pulpwood saw frame. W. H. Graff. 2,435,964, Feb. 17.
- Pulsator for milking machines. L. Dinesen. 2,447,688, Aug. 24.
- Pulsator system. A. E. Kremiller. 2,449,392, Sept. 14.
- Pulsator system, Hydraulic. C. E. Fowler. 2,456,869, Dec. 21.
- Pulse-actuated circuit. J. R. Hefele. 2,449,848, Sept. 21.
- Pulse amplitude selective system. D. D. Grieg. 2,434,921; Jan. 27.
- Pulse amplitude selector system. D. D. Grieg. 2,434,922, Jan. 27.
- Pulse communication. P. J. Reich. 2,437,970, Mar. 16.
- Pulse communication system, Synchronized. G. W. Fyler. 2,446,819, Aug. 10.
- Pulse controlled selector circuit. D. Giansante. 2,442,872, June 8.
- Pulse-echo radio velocity indicator. J. Evans. 2,450,946, Oct. 12.
- Pulse-echo system. M. R. Richmond. 2,446,244, Aug. 3, 24.
- Pulse echo system for distance measuring. P. K. Chatterjee and L. W. Houghton. 2,454,772, Nov. 30.
- Pulse forming circuit. H. C. Lawrence, Jr. 2,446,838, Aug. 10.
- Pulse generation circuit. B. M. Oliver. 2,433,863, Jan. 6.
- Pulse generation method. D. D. Grieg. 2,444,438, July 6.
- Pulse generator. W. N. Dean. 2,435,958, Feb. 17.
- Pulse generator. A. G. Ganz and A. D. Hasley. 2,448,364, Aug. 31.
- Pulse generator. D. D. Grieg. 2,438,910, Apr. 6.
- Pulse generator. L. W. Hussey. 2,439,389, Apr. 13.
- Pulse generator. R. C. Jensen. 2,440,547, Apr. 27.
- Pulse generator. D. E. Kenyon. 2,442,770, June 8.
- Pulse generator. W. A. Knoop, Jr. 2,438,706, Mar. 30.
- Pulse generator. J. M. Manley and E. Peterson. 2,436,395, Feb. 24.
- Pulse generator. D. E. Norgaard. 2,436,662, Feb. 24.
- Pulse generator. J. A. Rado. 2,445,888, July 27.
- Pulse generator of the shock-excited type. A. L. Hopper. 2,443,619, June 22.
- Pulse generator system. D. D. Grieg. 2,434,920, Jan. 27.
- Pulse keying circuit. L. F. Mayle. 2,442,304, May 25.
- Pulse measuring system, Electrical. E. Labin and D. D. Grieg. 2,448,034, Aug. 31.
- Pulse-modulated oscillation generator. D. L. Shapiro. 2,442,514, June 1.
- Pulse modulation systems of electric communication. P. K. Chatterjee and C. T. Scully. 2,452,547, Nov. 2.
- Pulse modulator for multichannel transmitter, Line. P. Bettler and H. D. Doolittle. 2,449,443, Sept. 14.
- Pulse radar interference producer. S. H. M. Dodington. 2,440,253, Apr. 27.
- Pulse radar system. D. E. Norgaard. 2,455,265, Nov. 30.
- Pulse receiver, Static reducing. D. D. Grieg. 2,448,027, Aug. 31.
- Pulse receiving system. S. Ramo. 2,445,584, July 20.
- Pulse selecting and eliminating system. E. Labin and D. D. Grieg. 2,440,278, Apr. 27.
- Pulse selector unit. M. E. Sallach. 2,443,193, June 15.
- Pulse shaping circuit. P. R. Bell, Jr. 2,446,802, Aug. 10.
- Pulse signaling, Ultrasonic. S. D. Eilenberger. 2,455,475, Dec. 7.
- Pulse slope-amplitude relation restoring system. D. L. Shapiro. 2,446,613, Aug. 10.
- Pulse to rectangular wave converter. L. L. Lakatos. 2,438,638, Mar. 30.
- Pulsed network. K. J. R. Wilkinson. 2,443,488, June 15.
- Pulses of modulated current, Supplying. P. N. Bossart. 2,437,315, Mar. 9.
- Pulverized fuel burning gas heater. R. Ruegg. 2,438,416, Mar. 23.
- Pulverized material, Conveying. H. Struckmann. 2,448,745, Sept. 7.
- Pulverizer for granulated materials. R. D. Evers. 2,442,486, June 1.
- Pulverizer for use in closed circuit pulverized material transport systems, Air swept. R. M. Hardgrove. 2,436,488, Feb. 24.
- Pulverizing and classifying machine having a rotor comprising superimposed sections. H. G. and W. H. Lykken. 2,440,285, Apr. 27.
- Pulverizing and processing materials, Method and apparatus for. L. Balassa. 2,441,613, May 18.
- Pulverulent noncoalescent dispersions, Method and apparatus for preparing in a gaseous medium. A. Sommer. 2,445,928, July 27.
- Pump: See—
 Automatically submerged
 sump pump.
 Axial piston pump.
 Centrifugal pump.
 Compressor pump.
 Condensation pump.
 Constant flow pump.
 Constant pressure pump.
 Deep well pump.
 Diaphragm pump.
 Differential concrete pump.
 Double-acting pump.
 Emergency pump.
 Engine driven pump.
 Fire-extinguishing pump.
 Fluid-driven pump.
 Fluid pump.
 Fluid stream vacuum pump.
 Fuel injecting pump.
 Fuel injection pump.
 Fuel pump.
 High vacuum pump.
 Hot liquid pump.
 Hydraulic oil pump.
 Hydraulic pump.
 Injector-impeller pump.
 Liquid oxygen pump.
 Lubricating pump.
 Motor or pump.
 Multicylinder fuel injection pump.
 Multiple fluid proportioning pump.
 Multistage centrifugal pump.
 Oil pump.
 Pump. H. E. Adams. 2,438,104, Mar. 23.
 Pump. E. K. Baker. Re. 23,067, Dec. 28.
 Pump. H. S. Bancroft. 2,449,832, Sept. 21.
 Pump. A. P. Colaiaco. 2,438,387, Mar. 23.
 Pump. A. P. Colaiaco and D. L. Hopper. 2,447,636, Aug. 24.
 Pump. J. H. Cox, A. P. Colaiaco, and H. A. Ross. 2,437,849, Mar. 16.
 Pump. H. L. Etter. 2,446,748, Aug. 10.
 Pump. R. H. Hill. 2,444,100, June 29.
 Pump. D. L. Hopper. 2,438,395, Mar. 23.
 Pump. H. Molly. 2,445,232, July 13.
 Pump. C. W. Mott. 2,437,887, Mar. 16.
 Pump. G. H. Palm. 2,447,467, Aug. 17.
 Pump. G. E. Peters and L. E. Russell. 2,455,946, Dec. 14.
 Pump. B. Samelson. 2,435,470, Feb. 3.
 Pump. F. W. Stallmann. 2,443,667, June 22.
 Pump. G. R. Stoltenberg and A. P. Colaiaco. 2,437,897, Mar. 16.
 Pump. W. H. Teeter. 2,440,986, May 4.
 Pump. R. F. Urso. 2,437,568, Mar. 9.
 Pump. A. H. Winkler. 2,442,631, June 1.
 Pump. C. E. Wuensch. 2,444,586, July 6.
 Pump and impeller therefor. J. S. Kessler. 2,456,128, Dec. 14.
 Pump and motor cylinder coaxial, Combined. R. E. Minnix. 2,445,148, July 13.
 Pump and packing therefor, Rotary. M. Caserta. 2,457,643, Dec. 28.
 Pump and tank assembly, Aircraft booster. R. R. Curtis. 2,442,639, June 1.
 Pump assembly. R. R. Curtis and R. L. Gates. 2,439,241, Apr. 6.
 Pump construction. D. Samiran. 2,446,194, Aug. 3.
 Pump construction. D. B. Stricklin. 2,456,339, Dec. 14.
 Pump control, Hydraulic. L. Beeh. 2,448,347, Aug. 31.
 Pump control means for hydraulic systems. G. A. Walde. 2,455,837, Dec. 7.
 Pump control mechanism. W. W. Paget. 2,444,952, July 13.
 Pump control system. T. C. M. Mauch. 2,436,442, Feb. 24.
 Pump control system, Oil well. G. A. Smith. 2,456,456, Dec. 14.
 Pump controlled hydraulic cylinder system, Reversible. G. H. Hufferd. 2,449,482, Sept. 14.
 Pump flange, Self-aligning. P. B. Miller. 2,449,243, Sept. 14.
 Pump for clearing water traps. R. Storevik. 2,456,092, Dec. 14.
 Pump for corrosive fluids. E. L. Luaces and M. A. Crosby. 2,441,708, May 18.
 Pump for dispensing beverages, Metering motor operated. B. G. Copping and E. S. Wegman. 2,440,365, Apr. 27.
 Pump for gaseous working fluids. R. Lipscomb. 2,456,133, Dec. 14.
 Pump for hydraulic jacks. H. E. Page. 2,440,060, Apr. 20.
 Pump for liquefied gases. C. R. Anderson. 2,439,957-8, Apr. 20.

- Pump for liquefied gases, Reciprocating. C. R. Anderson. 2,440,216, Apr. 20.
- Pump for liquefied gases, Rotary. G. H. Zenner. 2,455,460, Dec. 7.
- Pump for oil wells and the like, Fluid operated. R. B. Knowles. 2,451,560, Oct. 19.
- Pump for removal of lubricants from containers. L. C. Rotter, A. P. Fox, and C. H. Mueller. 2,454,343, Nov. 23.
- Pump impeller. W. H. Welsh. 2,440,317, Apr. 27.
- Pump jack. R. T. Cruikshank. 2,445,133, July 13.
- Pump jack. N. W. Franzkowiak. 2,437,911, Mar. 16.
- Pump jack. R. W. Wagner. 2,452,087, Oct. 26.
- Pump mechanism. F. C. Haumerson. 2,447,650, Aug. 24.
- Pump mechanism, Radial vane. H. B. Miller. 2,440,593, Apr. 27.
- Pump of the tube compressing type. A. A. Jacobs. 2,434,802, Jan. 20.
- Pump or compressor. A. A. Mercer. 2,439,668, Apr. 13.
- Pump output regulator. J. Mercier. 2,454,563, Nov. 23.
- Pump packing means. J. H. Roberts. 2,452,261, Oct. 26.
- Pump unit, Jet motor. J. R. Parker. 2,440,912, May 4.
- Pump valve construction. R. R. Curtis. 2,451,925, Oct. 19.
- Pump with adjustable stop, Measuring. G. A. V. and M. A. Palm. 2,445,279, July 13.
- Pump with differential impeller control. R. G. Holt. 2,438,442, Mar. 23.
- Pump with pressure bushing. J. A. Lauck. 2,444,165, June 29.
- Pump with rotary casing. W. Buehler. 2,436,034, Feb. 17.
- Pump with unloading bushing. J. M. Roth and J. A. Lauck. 2,437,791, Mar. 16.
- Pumping apparatus. M. S. Lagercrantz. 2,434,804, Jan. 20.
- Pumping apparatus. J. Mann. 2,440,611, Apr. 27.
- Pumping apparatus, Sludge. S. H. Ericson. 2,449,596, Sept. 21.
- Pumping device for liquids. L. Burn. 2,445,205, July 13.
- Pumping mechanism. J. Y. Dahlstrand. 2,434,459, Jan. 13.
- Pumping mechanism. I. E. Dearsley. 2,439,796, Apr. 20.
- Pumping, Method and apparatus for. A. G. Bodine, Jr. 2,444,912, July 13.
- Pumping structure, Hermetically sealed submersible. F. C. Gilman. 2,449,772, Sept. 21.
- Pumping system. W. Shallenberg. 2,452,874, Nov. 2.
- Pumping system. M. C. Smith. 2,440,981, May 4.
- Pumping system, Pneumatic. C. Yeomans. 2,456,574, Dec. 14.
- Pumping system, Well. H. E. Lauman. 2,451,168, Oct. 12.
- Pumping unit. V. E. Duemler. 2,447,744, Aug. 24.
- Pumping unit, Deep well. W. F. Brown. 2,441,256, May 11.
- Pumping unit for mechanical lubricators. R. H. Shepard. 2,436,492, Feb. 24.
- Pumping unit, Vacuum return. C. F. Ames. 2,452,421, Oct. 26.
- Pumping volatile liquids. F. C. Byram. 2,451,151, Oct. 12.
- Punch. J. G. Barrick. 2,446,801, Aug. 10.
- Punch. J. F. Murphy. 2,444,946, July 13.
- Punch. A. Prester. 2,446,848, Aug. 10.
- Punch, Egg shell. A. Hertz. 2,441,763, May 18.
- Punch, Film. H. L. Fitch. 2,444,732, July 6.
- Punch for loose-leaf binders. W. F. Klemm. 2,445,440, July 20.
- Punch, Lacing. D. D. Duncan. 2,447,237, Aug. 17.
- Punch sheet records. W. G. Read. 2,455,384, Dec. 7.
- Punch, Stencil. W. C. Marsh and H. W. Hempel. 2,444,877, July 6.
- Punching machine. C. E. Burns. 2,435,574, Feb. 10.
- Punching machine, Cigar. S. Reso. 2,440,156, Apr. 20.
- Punching machine, Oyster. L. Dickerson. 2,444,636, July 6.
- Punching machine, Record. C. D. Lake and F. E. Hamilton. 2,451,752, Oct. 19.
- Pupillometer. J. L. Kennedy, L. C. Mead, and B. Wellman. 2,440,957, May 4.
- Pupillometric exposure meter. J. B. Saunders. 2,434,890, Jan. 20.
- Puppet. R. E. Paige. 2,444,169, June 29.
- Pure white discharging effects on cellulosic materials, Production of. C. Babey and F. L. Goodall. 2,446,992, Aug. 17.
- Purge arrangement for heating coils. M. Noble. 2,434,580, Jan. 13.
- Purging system for refrigerating systems. J. R. Zwickl. 2,450,707, Oct. 5.
- Purification and recovery of furfural in extractive distillation of hydrocarbons. V. Scarth. 2,442,474, June 1.
- Purification of acetic acid by azeotropic distillation. L. E. Schniepp. 2,438,300, Mar. 23.
- Purification of dehydrocorticosterone acetate. S. M. Miller and J. van de Kamp. 2,438,715, Mar. 30.
- Purification of diaryl monosulfides. E. E. Gilbert and H. D. Segool. 2,456,500, Dec. 14.
- Purification of halogenated aromatic hydrocarbons. R. R. Umhoefer. 2,445,195, July 13.
- Purification of hard waxes by removal of soft fatty components. R. T. Balch. 2,452,093, Oct. 26.
- Purification of hydrogen peroxide by a nonconcentrating distillation. C. N. Richardson. 2,438,252, Mar. 23.
- Purification of perfluoroheptane by azeotropic distillation with methyl ethyl ketone. R. L. Evans and H. B. Hass. 2,442,589, June 1.
- Purification of raw water from colloidal humic substances. A. M. R. Karlstrom. 2,440,514, Apr. 27.
- Purification of raw waters. H. R. Hay. 2,444,774, July 6.
- Purification of readily polymerizable vinyl aromatic compounds by distillation. R. R. Dreisbach. 2,445,941, July 27.
- Purification of stearic acid. D. E. Adelson. 2,443,063, June 8.
- Purification of tetrachlorethylene. W. C. Greenwald. 2,456,184, Dec. 14.
- Purification of vinyl halide and vinylidene halide polymers. G. W. Stanton. 2,438,480, Mar. 23.
- Purification of vitamin B₆. M. L. Brown. 2,442,677, June 1.
- Purification process and apparatus, Waste. E. B. Mallory. 2,457,057, Dec. 21.
- Purifying a hydrocarbon material containing a relatively small amount of an organic fluorine compound. C. B. Linn and J. M. Mavity. 2,438,565, Mar. 30.
- Purifying a hydrocarbon mixture containing small amounts of organic fluorine compounds. V. N. Ipatieff and C. B. Linn. 2,434,409, Jan. 13.
- Purifying agent from steer bones, Making a. F. Leslie. 2,444,571, July 6.
- Purifying benzene. W. O. Keeling. 2,438,368, Mar. 23.
- Purifying carotene contaminated with chlorophyll and xanthophyll. M. E. Wall and E. G. Kelley. 2,446,116, July 27.
- Purifying saturated hydrocarbons involving selective demethylation. V. Haensel and V. N. Ipatieff. 2,441,663, May 18.
- Purse made from one-piece blank with storage section in tandem with windowed display section, Leather. L. G. Stanley. 2,441,338, May 11.
- Push and pull load gauge. B. De Graaf. 2,450,188, Sept. 28.
- Push-button stepping switch. H. C. Macnamara. 2,451,105, Oct. 12.
- Push-button switch. J. L. Andrews. 2,440,063, Apr. 20.
- Push button switch. H. A. Baumer. 2,441,614, May 18.
- Push button switch. G. L. Rees. 2,437,555, Mar. 9.
- Push-button tuning control. A. P. Olesky. 2,438,763, Mar. 30.
- Pushcart assembly. G. Soha. 2,457,742, Dec. 28.
- Push-pull amplifier tube. H. W. G. Sauter. 2,442,862, June 8.
- Push-pull selector switch. D. W. Johnson. 2,451,224, Oct. 12.
- Push rod. L. J. Rosa. 2,434,080, Jan. 6.
- Pusher conveyor unit. J. L. Biggs. 2,435,768, Feb. 10.
- Pusher installation for turbine-driven propellers. A. Kalitinsky. 2,434,319, Jan. 13.
- Pusher, Stock. J. M. Ingalls. 2,447,859, Aug. 24.
- Putty composition comprising a polymethacrylate and filler. C. W. Johnson. 2,433,910, Jan. 6.
- Puzzle. A. A. Herrman. 2,440,949, May 4.
- Puzzle and rack therefor, Jigsaw. S. H. Gainsley. 2,448,667, Sept. 7.
- Pyrazine, Producing derivatives of. J. Weijlard and M. Tishier. 2,447,148, Aug. 17.
- Pyrazolone azo pigment. E. Armatys. 2,454,266, Nov. 23.
- Pyrethrum extract and propellant solution containing it. W. W. Rhodes. 2,449,671, Sept. 21.
- Pyrex steam electric iron. H. Hayashi. 2,433,901, Jan. 6.
- Pyridazine derivatives and preparing the same. J. F. Morgan. 2,454,742, Nov. 23.
- Pyridine carbonyl amides of the benzene series. P. F. Gross. 2,439,728, Apr. 13.
- Pyridine compound, Substituted. J. H. Mowat. 2,457,484, Dec. 28.
- Pyridine, Recovering. J. H. Wells and P. J. Wilson, Jr. 2,435,663, Feb. 10.
- Pyridinium and piperidinium compounds, Substituted. R. S. Shelton and M. G. Van Campen, Jr. 2,446,792-3, Aug. 10.
- Pyrimidine compounds and making the same. F. H. S. Curd, C. G. Raison, and F. L. Rose. 2,437,682, Mar. 16.
- Pyrimidine compounds and producing same. F. H. S. Curd, C. G. Raison, and F. L. Rose. 2,437,683, Mar. 16.
- Pyrimidine compounds, Preparing. C. W. Waller and J. H. Boothe. 2,442,867, June 8.
- Pyrimidine derivatives. F. H. S. Curd, M. I. Hall, E. C. Owen, F. L. Rose, and G. A. P. Tuey. 2,443,305, June 15.
- Pyrogallol reagent and its preparation, Sensitized. R. L. Tuve. 2,440,315, Apr. 27.
- Pyroigneous liquors for preserving food products and preparing the same. H. M. Guinot. 2,454,649, Nov. 23.
- Pyrolysis of carbon chlorides. C. A. Hampel. 2,447,410, Aug. 17.
- Pyrolysis of fluid hydrocarbons. C. G. Milbourne. 2,442,093, May 25.
- Pyrolytic conversion of hydrocarbons. K. M. Watson. 2,448,334, Aug. 31.
- Pyrolyzing alpha-pinene to allo-oimene in liquid phase. T. R. Savich and L. A. Goldblatt. 2,437,759, Mar. 16.
- Pyrometallurgical treatment of tetrahedrite ores. Y. E. Ledebef and H. H. Monson. 2,446,656, Aug. 10.
- Pyrore colouring matters, Manufacture of new. E. P. Goodings and M. A. T. Rogers. 2,434,039, Jan. 6.
- Quadricycle. F. W. Schwinn. 2,439,755, Apr. 13.

- Quantitative determination of unsaturated aldehydes. J. E. Bludworth, M. O. Robeson, and H. A. Truby, Jr. 2,449,581, Sept. 21.
- Quaternary ammonium bacteriocidal composition, Self-indicating. H. R. Broll. 2,449,274, Sept. 14.
- Quaternary ammonium salts of dibenzthiazyl azo benzenes. N. H. Haddock and C. Wood. 2,436,428, Feb. 24.
- Quaternary nitrogen-compounds, Manufacture of. H.-J. Engelbrecht. 2,445,319, July 20.
- Quartz lamp assembly. R. R. Davis. 2,457,353, Dec. 28.
- Quartz, Method of and apparatus for examining. E. J. Armstrong. 2,442,752, June 8.
- Quenching and conveying apparatus. R. E. Buckholdt. 2,450,112, Sept. 28.
- Question and answer rating device. L. Moscové. 2,452,673, Nov. 2.
- Quick-acting valve. J. O. Jackson. 2,449,604, Sept. 21.
- Quick action coupling. F. D. Smith. 2,440,452, Apr. 27.
- Quick action switch. R. J. Domonkas. 2,449,109, Sept. 14.
- Quick-change lathe tool holder. E. W. Plumb. 2,445,634, July 20.
- Quick connect self-sealing coupling. B. A. Main, Jr. 2,457,251, Dec. 28.
- Quick-cooking rice and making same. A. K. Ozai-Durrani. 2,438,939, Apr. 6.
- Quick demountable wheel. R. R. Craft. 2,442,197, May 25.
- Quick disconnect coupling. D. M. Clark and G. A. Hallenbeck. 2,452,430, Oct. 26.
- Quick disconnect coupling. W. D. Hengst. 2,451,218, Oct. 12.
- Quick disconnect joint. S. P. Bird. 2,457,523, Dec. 28.
- Quick-freezing foods, Method and apparatus for. J. A. Archbald, Jr. 2,437,414, Mar. 9.
- Quick release increasing the gap between disks upon entry of uncrushables. J. A. Eldridge. 2,440,171, Apr. 20.
- Quickly detachable coupling. H. V. Williamson and R. H. Griesemer. 2,453,480, Nov. 9.
- Quinazolones, Preparation of. A. Guenther and J. F. Morgan. 2,439,386, Apr. 13.
- Quinizarine, Manufacture of. F. L. Sievenpiper. 2,445,538, July 20.
- Quinoline from a mixture of nitrogen bases, Isolation of. K. H. Engel. 2,456,774, Dec. 21.
- Race starting gate. J. P. Whann and N. C. Harris. 2,435,729, Feb. 10.
- Raceway, Electrical. M. M. Clayton. 2,455,231, Nov. 30.
- Racemic tartaric acid, Resolution of. J. D. Surmatis. 2,456,752, Dec. 21.
- Racemization of α -hydroxy- β , β -dimethyl-gamma-butyrolactone. J. Weijlard and J. P. Messerly. 2,434,061, Jan. 6.
- Racing game and puzzle. R. M. Wetzell. 2,453,290, Nov. 9.
- Rack: See—
 Article rack. Milk can drying rack.
 Bag rack. Parts rack.
 Bailer unloading rack. Plastic display rack.
 Bomb rack. Portable drying rack.
 Canning rack. Portable film rack.
 Circular display rack. Rinsing, drying, and canning rack.
 Cloth bolt display rack. Secondary rack.
 Clothes rack. Smokehouse rack.
 Developing rack. Space miser clothes rack.
 Display rack. Storage rack.
 Drill rod rack. Storage tank rack.
 Electroplating rack. Suspension rack.
 Folding drying rack. Tie rack.
 Hose rack. Towel rack.
 Knife rack.
- Rack. E. Belmont. 2,438,886, Apr. 6.
- Rack and gear operated column clamp. G. R. Abbott. 2,441,178, May 11.
- Rack and holder, Coating. J. N. Tuttle. 2,442,883, June 8.
- Rack and pinion gear means. E. P. Bullard. 2,453,656, Nov. 9.
- Rack attachment for laundry tubs. L. W. Larson. 2,449,131, Sept. 14.
- Rack fastening for free-piston units. R. J. Hooker. 2,437,026, Mar. 2.
- Rack for automobiles, Clothes. J. E. Mogan. 2,456,303, Dec. 14.
- Rack for milk bottles. T. J. Hopkins. 2,441,417, May 11.
- Rack for milk strainers, Supporting. H. E. Murdock. 2,445,859, July 27.
- Rack for poker chips and the like. I. I. Newman. 2,453,030, Nov. 2.
- Rack for rolls, Display. A. J. Pequet. 2,442,934, June 8.
- Rack for Venetian blinds, Washing and drying. R. L. Jacobs. 2,443,859, June 22.
- Radar apparatus, Frequency modulated. B. R. Cole. 2,454,633, Nov. 23.
- Radar device. M. K. Witt. 2,437,286, Mar. 9.
- Radar test apparatus. S. Sensiper. 2,433,868, Jan. 6.
- Radial commutator assembly. R. E. Rambo and C. F. Jenkins. 2,456,993, Dec. 21.
- Radial flow forced-air heater. F. R. Higley. 2,453,913, Nov. 16.
- Radiant energy locating and indicating system, Directive. R. C. Locke. 2,436,655, Feb. 24.
- Radiant energy operated positioning control. H. J. Finlison. 2,441,568, May 18.
- Radiating horn. J. R. Risser and R. J. Wlodkowski. 2,456,823, Dec. 14.
- Radiating system, Rapid sweep. C. C. Cutler. 2,436,380, Feb. 24.
- Radiation intensity meter. M. J. Test and S. Krasnow. 2,434,297, Jan. 13.
- Radiation pyrometer housing for furnaces. C. W. Snadecki and W. F. Richards. 2,438,830, Mar. 30.
- Radiation thermopile and making the same. D. R. de Boisblanc and H. M. Barton, Jr. 2,445,874, July 27.
- Radiator and reflector, Overhead gas-fired. W. G. Carter. 2,439,038, Apr. 6.
- Radiator construction, Finned. J. E. Tolan. 2,454,357, Nov. 23.
- Radiator, Electrically heated convection. H. Capra. 2,436,288, Feb. 17.
- Radiator, electrically heated space. H. J. Morton. 2,439,945, Apr. 20.
- Radiator for rear engine vehicles, Lubricant cooling. C. R. Rogers, W. O. Bechman and D. B. Baker. 2,435,513, Feb. 3.
- Radiator, High-power compressional wave. W. P. Mason. 2,435,595, Feb. 10.
- Radiator, Portable electric steam. P. S. Malickson. 2,455,688, Dec. 7.
- Radiator structure for air heating furnaces. F. W. Eichholtz. 2,452,556, Nov. 2.
- Radiator vent valve. P. G. Chace and U. U. Savolainen. 2,434,393, Jan. 13.
- Radii attachment, Lathe. W. B. Holdridge. 2,452,757, Nov. 2.
- Radio antenna. G. H. Cotchefer. 2,452,106, Oct. 26.
- Radio antenna. L. W. Stinson. 2,441,086, May 4.
- Radio antenna. C. B. Watts, Jr., and L. Himmel. 2,436,843, Mar. 2.
- Radio antenna mount, Quick change. B. M. Meador. 2,444,941, July 13.
- Radio apparatus of replaceable standardized units. G. B. Greene. 2,446,701, Aug. 10.
- Radio beacon. R. R. Brunner. Re. 23,050, Nov. 23.
- Radio beacon. L. A. de Rosa. 2,449,982, Sept. 28.
- Radio beacon, Omnidirectional. E. Labine and D. D. Grieg. 2,450,005, Sept. 28.
- Radio beacon system, Equisignal. W. J. O'Brien. 2,438,573, Mar. 30.
- Radio beacon system for bearing determination. C. W. Earp. 2,434,915, Jan. 27.
- Radio beacon transmitter. L. Dubin. 2,444,431, July 6.
- Radio cabinet. K. Emde. 2,447,572, Aug. 24.
- Radio bomb release system. R. C. Sanders, Jr. 2,454,673, Nov. 23.
- Radio bomb release system with warning period. D. Blitz. 2,441,657, May 18.
- Radio cabinet and indicator. W. W. Montgomery. 2,443,745, June 22.
- Radio cabinet and speaker mounting. G. F. Devine. 2,440,078, Apr. 20.
- Radio cabinet having integral handle device. C. P. Geyh. 2,446,756, Aug. 10.
- Radio call apparatus, Automatic. W. W. McGoffin. 2,446,943, Aug. 10.
- Radio circuit selector switch. G. R. Pennington. 2,455,137, Nov. 30.
- Radio compass trainer control, Photoelectric. C. J. Crane. 2,452,038, Oct. 26.
- Radio control apparatus. R. C. Marholz. 2,438,760, Mar. 30.
- Radio control system. L. B. Brittain. 2,447,156, Aug. 17.
- Radio detecting and range finding systems. G. W. Fyler. 2,435,960, Feb. 17.
- Radio device for secret communication. A. Ptáček. 2,444,750, July 6.
- Radio dial display device. M. Ramsay. 2,437,306, Mar. 9.
- Radio direction and range indicator. F. E. Bartholy. 2,447,728, Aug. 24.
- Radio direction finder. P. G. Hansel. 2,440,682, May 4.
- Radio direction finder. W. J. O'Brien. 2,449,175, Sept. 14.
- Radio direction finder. A. R. Starr. 2,448,006, Aug. 24.
- Radio direction finder. R. H. Worrall. 2,434,977, Jan. 27.
- Radio direction finder and homing device, Stabilized. C. A. Frische, T. M. Ferrill, Jr., and J. M. Slater. 2,437,251, Mar. 9.
- Radio direction finder, Three-dimension. K. G. Jansky. 2,437,695, Mar. 16.
- Radio direction finding system. A. G. Richardson, F. O. Chesus, and F. G. Thomas. 2,438,946, Apr. 6.
- Radio echo apparatus. C. S. Root. 2,446,850, Aug. 10.
- Radio frequency inductance, Composite. J. W. Mann and G. P. Russell. 2,453,241, Nov. 9.
- Radio-frequency joint. W. W. Salisbury. 2,451,876, Oct. 19.
- Radio-frequency network. G. H. Brown. 2,454,907, Nov. 30.
- Radio frequency parallel bonding. J. W. Mann and G. F. Russell. 2,434,573, Jan. 13.
- Radio-frequency parallel bonding. G. F. Russell and J. W. Mann. 2,457,498, Dec. 28.
- Radio-frequency power meter. O. H. Schmitt. 2,442,619, June 1.
- Radio frequency switch assembly. H. D. Morris and P. A. Vonada. 2,443,635, June 22.
- Radio-frequency wattmeter. D. R. Crosby. 2,443,097, June 8.

- Radio-frequency wattmeter, Direct reading. P. J. Ovrebo. 2,443,637, June 22.
- Radio ground clearance indicator. R. H. Varian. 2,455,169, Nov. 9.
- Radio guiding method and system. E. M. Deloraine and E. Labin. 2,441,956, May 25.
- Radio indicating system. R. B. Hoffman. 2,436,805, Mar. 2.
- Radio locating equipment. H. F. Mayer. 2,457,580, Dec. 28.
- Radio locator test apparatus. E. L. Ginzton. 2,440,261, Apr. 27.
- Radiological measurement of the permeability of porous media. E. M. Brunner and E. S. Mardock. 2,437,935, Mar. 16.
- Radio navigation system. E. J. Isbister. 2,444,445, July 6.
- Radio navigation system. G. Mountjoy, G. D. Hulst, Jr., and E. Schoenfeld. 2,445,361, July 20.
- Radio navigational aid. C. E. G. Bailey. 2,438,987, Apr. 6.
- Radio noise rejector circuit. D. L. Hings. 2,438,501, Mar. 30.
- Radio object detector training device. E. C. Andrews and O. Cesario. 2,438,888, Apr. 6.
- Radio object locating system training device. T. C. Campbell. 2,438,898, Apr. 6.
- Radio paging for vehicles. R. K. Potter. 2,436,824, Mar. 2.
- Radio plug adapter. E. L. Metz. 2,445,033, July 13.
- Radio protective system. W. R. Koch. 2,442,695, June 1.
- Radio range control for flight trainers, Automatic. E. M. Sorensen. 2,448,555, Sept. 7.
- Radio range for student training, Automatic miniature. R. K. Stout, C. W. Muller, C. J. Crane, and G. V. Holoman. 2,444,477, July 6.
- Radio receiver. S. I. Weiss. 2,455,716, Dec. 7.
- Radio receiver, Interference reducing. G. J. Lehmann. 2,454,814, Nov. 30.
- Radio receiver noise reducing circuit. C. Wasmandorff. 2,446,565, Aug. 10.
- Radio receiver noise suppression circuit. R. T. Thompson. 2,455,450, Dec. 7.
- Radio-receiver with band-spread control for a number of comparatively narrow frequency bands. C. J. Van Loon. 2,434,299, Jan. 13.
- Radio receiving apparatus, Limiter for. R. F. Shea. 2,443,057, June 8.
- Radio signaling circuit. D. L. Hings. 2,447,701, Aug. 24.
- Radio signaling means for aviation trainers. G. L. Lang. 2,435,502, Feb. 3.
- Radio system. J. C. Noble and B. F. Hardt. 2,449,565, Sept. 21.
- Radio system, Bomb release. E. O. Keizer. 2,440,609, Apr. 27.
- Radio system for transmission and reception on the same frequency. M. L. Doelz. 2,457,134, Dec. 28.
- Radio telegraph receiving system. R. S. Chapin. 2,451,916, Oct. 19.
- Radio testing system, Frequency modulated. R. L. Harvey. 2,455,996, Dec. 14.
- Radio time switch. A. W. Haydon. 2,439,732, Apr. 13.
- Radio transceiver. M. Turkat. 2,435,061, Jan. 27.
- Radio transmitting and receiving set, Portable. D. H. Mitchell. 2,439,408, Apr. 13.
- Radio transmitting and receiving system. E. Labin. 2,454,810, Nov. 30.
- Radio transmitting system. J. C. O'Brien. 2,441,504, May 11.
- Radio tuning mechanism. F. H. Drake. 2,445,211, July 13.
- Radio, Wall. W. W. Brockway. 2,457,029, Dec. 21.
- Radio wave reflecting transducer system. G. L. Tawney. 2,436,408, Feb. 24.
- Radium holder. E. Banks and J. Bland. 2,443,591, June 22.
- Radius-angle former. I. Sneva. 2,436,873, Mar. 2.
- Radius boring tool. W. C. Brantingham. 2,442,720, June 1.
- Radius tool. A. E. De Martin. 2,450,469, Oct. 5.
- Rail anchor. J. P. Heuer. 2,435,352, Feb. 3.
- Rail anchoring means. C. B. Smithers. 2,446,495, Aug. 3.
- Rail anticreeper. H. C. Christie. 2,442,343, June 1.
- Rail ball rolling chance device, Inclined. C. N. Netherton. 2,456,725, Dec. 21.
- Rail fastener. M. D. Hughes. 2,454,454, Nov. 23.
- Rail fastener. R. E. Merrell. 2,454,079, Nov. 16.
- Rail fasteners. A. E. Dentler. 2,442,800, June 8.
- Rail fastening. J. R. Snyder. 2,446,857, Aug. 10.
- Rail flange clamp. A. H. Genter. 2,444,599, July 6.
- Rail, Guard. A. R. Schulze. 2,445,089, July 13.
- Rail joint. G. Rademaker. 2,444,954, July 13.
- Rail lubricator. W. C. Heidenthal. 2,448,670, Sept. 7.
- Rail retaining and spike fastening means. G. W. Muller. 2,434,579, Jan. 13.
- Rail retaining and spike fastening means. G. W. Muller. 2,457,592, Dec. 28.
- Railroad car refrigerated by dry ice and a secondary refrigerating system. W. M. Keller. 2,440,098, Apr. 20.
- Railroad locomotive, Electromechanical. F. B. Yingling. 2,453,483, Nov. 9.
- Railroad rail clamp. L. R. Parsons. 2,450,559, Oct. 5.
- Railroad tie. C. C. Jones. 2,453,132, Nov. 9.
- Rail tool. E. D. Jones. 2,449,232, Sept. 14.
- Rail track fastening. H. L. Rushing. 2,457,180, Dec. 28.
- Rail turning device. G. Westerholm. 2,447,223, Aug. 17.
- Rail vehicles, Method of and device for retracting. H. L. Nancarrow and A. R. Wilson. 2,451,042, Oct. 12.
- Railway brake. C. E. Tack and W. A. Helsten. Re. 22,966, Jan. 20.
- Railway car axle and journal box assembly, Roller bearing. R. E. Horger. 2,438,214, Mar. 23.
- Railway car draft gear. H. L. Spence. 2,451,415, Oct. 12.
- Railway car side bearing. N. F. Lane. 2,452,940, Nov. 2.
- Railway coupler mounting. J. C. Travilla, Jr., G. E. Jones, and R. E. Stein. 2,444,120, June 29.
- Railway dining car. F. J. Dittrich. 2,434,841, Jan. 20.
- Railway draft gear friction shock absorbing mechanism. G. E. Dath. 2,446,215, Aug. 3.
- Railway freight car construction. A. E. Jaeckle. 2,453,322, Nov. 9.
- Railway frog, Transversely sliding. A. L. Vissat. 2,449,757, Sept. 21.
- Railway journal bearing. J. J. Hennessy. 2,439,297, Apr. 6.
- Railway journal bearing. J. J. Hennessy. 2,449,895, Sept. 21.
- Railway journal lubricator. J. J. Hennessy. 2,437,817, Mar. 16.
- Railway, Overhead. R. J. Rennie. 2,439,986, Apr. 20.
- Railway switch locking device. R. W. Rutledge and F. P. Higginbotham. 2,434,722, Jan. 20.
- Railway traffic controlling apparatus. E. M. Allen. 2,444,323, June 29.
- Railway traffic controlling apparatus, Interlocking line-circuit. W. W. Seitz. 2,439,676, Apr. 13.
- Railway vehicle truck, Model. H. R. Howard. 2,453,915, Nov. 16.
- Railway wheel checking device. M. W. and W. A. Gieskieng. 2,442,491, June 1.
- Rain and sprayproof ventilator. C. W. Porter. 2,448,048, Aug. 31.
- Rain alarm device. J. L. Marquard. 2,443,687, June 22.
- Raincoat construction. E. Bernath. 2,441,746, May 18.
- Raincoat, Lady's. J. T. Callahan and J. A. Gilbertson. 2,442,749, June 8.
- Raincoat or cape, Convertible. M. J. Kraft and M. Durey. 2,452,475, Oct. 26.
- Rake. W. J. and N. G. Keller. 2,456,876, Dec. 21.
- Rake. J. H. Myers. 2,451,402, Oct. 12.
- Rake actuating mechanism. D. F. Bloom, Jr. 2,436,245, Feb. 17.
- Rake classifier, Mechanical. F. F. Tessin. 2,445,251, July 13.
- Rake, Dump. S. E. Hilblom. 2,445,267, July 13.
- Rake, Rotary side delivery. M. A. Morrill. 2,447,354, Aug. 17.
- Rake, Side delivery. F. D. Jones and M. H. Tuft. 2,436,475, Feb. 24.
- Raker sharpening gauge. J. C. Stone. 2,438,687, Mar. 30.
- Raking classifier. C. H. Scott and F. L. Graner. 2,437,760, Mar. 16.
- Ramie harvesting and decorticating machine. G. Brereton. 2,443,296, June 15.
- Ramie, Obtaining of. M. M. Wise. 2,440,562, Apr. 27.
- Ramp, Bridge. N. M. Bryson. 2,452,222, Oct. 26.
- Ramp, Vehicle. H. A. Winter. 2,436,467, Feb. 24.
- Ramp, Vehicle loading. E. C. Price. 2,437,479, Mar. 9.
- Range and azimuth simulating system for radar instruction. D. H. Penoyer. 2,438,940, Apr. 6.
- Range, Electric. W. P. Cameron. 2,446,063, July 27.
- Range, Electric. W. J. Carter. 2,437,376, Mar. 9.
- Range-finder, height-finder, and like optical observation instrument. J. M. Strang and J. H. Bull. 2,446,726, Aug. 10.
- Range finder, Inexpensive monoblock. B. E. Luboshez. 2,434,172, Jan. 6.
- Range finder, Photoelectric. J. B. Walker. 2,444,235, June 29.
- Range finder, Shock mounted and stabilized. W. T. Cooke and H. H. Willis. 2,446,529, Aug. 10.
- Range measurement. N. W. Bryant, E. E. Crump, M. R. Dungan, and J. Strand. 2,446,630, Aug. 10.
- Range surface unit, Electric. E. E. Sutherland. 2,457,007, Dec. 21.
- Range weighing system for materials testing machines, Multiload. A. Sonntag. 2,447,778, Aug. 24.
- Rapid electric fluid heater. L. A. Rehard. 2,438,865, Mar. 30.
- Rapid start and stop clutch mechanism for phonographs. T. H. Nakken. 2,441,836, May 18.
- Rapping mechanism for confection coating machines. G. S. Perkins. 2,446,386, Aug. 3.
- Ratchet driven tuning means. O. E. Wagenknecht. 2,435,522, Feb. 3.
- Ratchet type latch. W. H. Krause. 2,446,934, Aug. 10.
- Ratchet ventilator and automatic sash lock. F. D. Story. 2,446,144, July 27.
- Ratchet wrench with segmented socket and separable socket-receiving jaws. J. T. Powell. 2,445,969, July 27.
- Rate of turn indicator. J. E. Bevins. 2,444,625, July 6.
- Rate taking circuit. W. F. Frost. 2,445,773, July 27.
- Ratio computing phase shift indicator. R. B. Johnson and C. E. Larrabee. 2,438,056, Mar. 16.

- Ratio control comprising a chamber for a first liquid passing therethrough and a member therein having a port for feeding a second liquid into the first liquid. W. H. Cook. 2,441,259, May 11.
- Ratio-measuring system. D. W. Moore, Jr. 2,454,520, Nov. 23.
- Ratio steering assembly, Variable. J. H. Booth. 2,451,061, Oct. 12.
- Rattler. J. L. La Forge. 2,447,946, Aug. 24.
- Rattrap. A. C. Fleig. 2,437,248, Mar. 9.
- Ravioli machine. S. Marino. 2,437,202, Mar. 2.
- Raw material for ceramic glazes. F. L. Turbett and H. B. Stephenson, Jr. 2,438,524, Mar. 30.
- Rayon, Producing. A. Cresswell. 2,442,331, June 1.
- Rayon, Production of viscose. F. R. Millhiser. 2,440,057, Apr. 20.
- Rayon spinning funnel bracket. W. N. Ross. 2,440,976, May 4.
- Razor. E. S. Keogh, Jr. 2,445,528, July 20.
- Razor and blade magazine thereof, Safety. W. Steinbach. 2,436,025-6, Feb. 17.
- Razor blade box. E. A. Locke, Jr. 2,442,699, June 1.
- Razor blade holder. W. M. Sparr. 2,447,965, Aug. 24.
- Razor blade holder. W. Tischendorf. 2,437,337, Mar. 9.
- Razor, Collapsible. W. Deutsch. 2,442,078, May 25.
- Razor, Fountain safety. W. Neuburger. 2,447,358, Aug. 17.
- Razor, Mechanically operated. I. Lonne. 2,445,790, July 27.
- Razor, Safety. J. D. Langdon. 2,434,275, Jan. 13.
- Razor, Safety. H. Miller. 2,444,105, June 29.
- Razor, Safety. W. L. Mills. 2,457,590, Dec. 28.
- Razor, Safety. G. F. Pinsuti. 2,453,756, Nov. 16.
- Razor, Safety. O. Rasmussen. 2,455,877, Dec. 7.
- Razor, Safety. W. J. Wolpert. 2,455,152, Nov. 30.
- Razorstrop composition. W. O. Flatt. 2,456,263, Dec. 14.
- Razorstrop holder and heater, Combination. W. V. Kommer. 2,453,519, Nov. 9.
- Reactance compensation system. G. H. Brown. 2,439,235, Apr. 6.
- Reactance device. L. R. Allison. 2,446,624, Aug. 10.
- Reactance tube and modulator circuit. S. M. Beleskas. 2,445,508, July 20.
- Reaction of an etherified melamine-formaldehyde condensation product with an etherified phenol-formaldehyde condensation product. W. Charlton and J. B. Harrison. 2,451,153, Oct. 12.
- Reaction of biguanide and ethylene sulfide. L. P. Moore and W. P. Ericks. 2,453,333, Nov. 9.
- Reaction of hydrogen halides with compounds having aliphatic unsaturation. T. Boyd. 2,446,124, July 27.
- Reaction product of gramicidin and formaldehyde and production. H. L. Fraenkel-Conrat, H. Humfeld, J. C. Lewis, K. P. Dimick, and H. S. Olcott. 2,438,209, Mar. 23.
- Reaction product of n-substituted polyamides with hydroxylated materials and obtaining same. B. Graham. 2,456,271, Dec. 14.
- Reaction product of rosin and copolymer of vinyl acetate and an alpha-unsaturated carboxylic acid ester and process of making same. J. B. Rust and W. B. Canfield. 2,452,870, Nov. 2.
- Reaction products of pyridine and allergenic extracts of plants of the genus *rhus*. M. B. Strauss. 2,456,750, Dec. 21.
- Reaction products of tertiary organic hydroperoxides with aldehydes or ketones. F. H. Dickey. 2,455,569, Dec. 7.
- Reactions of inorganic polyisocyanates and polyisothiocyanates. H. C. Miller and B. C. Pratt. 2,449,613, Sept. 21.
- Reactivating finely divided contact material. N. K. Anderson. 2,444,128, June 29.
- Reactor. J. J. Root. 2,445,408, July 20.
- Reactor with movable core member. E. F. Steinert. 2,447,673, Aug. 24.
- Reading aid for the blind. L. E. Flory. 2,457,456, Dec. 28.
- Reading aid for the blind, Electronic. V. K. Zworykin and L. E. Flory. 2,457,099, Dec. 21.
- Reading stand. A. Savastano. 2,454,526, Nov. 23.
- Reading unit, Magnifying. G. M. Cressaty. 2,453,064, Nov. 2.
- Ready-reference card index holder. Q. T. Turner. 2,455,103, Nov. 30.
- Reagent and resolving emulsions. W. H. Kirkpatrick and D. L. Wilson. 2,454,808, Nov. 30.
- Reamer and rest, Pipe. H. H. Giles. 2,442,923, June 8.
- Reamer, Expandable. R. G. Fear. 2,439,968, Apr. 20.
- Reamer, Expansion. H. R. Siefert. 2,434,126, Jan. 6.
- Reamer, Pipe. H. H. Giles. 2,442,922, June 8.
- Reamer, Pipe. E. D. Stanley. 2,435,413, Feb. 3.
- Rearrangement process. G. W. Hearne and D. S. La France. 2,446,475, Aug. 3.
- Rear sight and ejector for firearms, Combination. J. C. Garand. 2,444,038, June 29.
- Rearview mirror for vehicles, Visored antiglare. J. R. Miller. 2,442,504, June 1.
- Rearview mirror mounting. R. Daon. 2,455,919, Dec. 14.
- Re-calibrating motor control system. W. E. Belcher, Jr. 2,446,153, July 27.
- Recall control means. F. T. Pascoe and A. L. Jerome. 2,449,176, Sept. 14.
- Receiver: See—
Superheterodyne radio receiver.
- Receiver and wave monitor. M. G. Crosby. 2,437,910, Mar. 16.
- Receiver, Angle modulated carrier. W. L. Carlson. 2,457,207, Dec. 28.
- Receiver, Ash. C. Hendricks. 2,445,914, July 27.
- Receiver, Bone conduction. L. A. Watson and P. C. Heijn. 2,454,494, Nov. 23.
- Receiver for automatic milking systems, Milk. J. J. De Carli. 2,451,075, Oct. 12.
- Receiver for pulse waves. P. F. M. Gloess. 2,449,985, Sept. 28.
- Receiver for used blades. N. Testi. 2,441,777, May 18.
- Receiver, Frequency modulated picture. C. W. Carnahan. 2,435,736, Feb. 10.
- Receiver, Multiband radio. A. C. Matthews. 2,441,028, May 4.
- Receiver muting circuit. M. G. Crosby. 2,452,436, Oct. 26.
- Receiver or amplifier arranged to be fed from direct current mains, Radio. J. A. J. Bouman. 2,449,685, Sept. 21.
- Receiver, particularly for watch on broad frequency bands, Radio-electric. R. Hardy. 2,454,797, Nov. 30.
- Receiver, Portable radio. G. E. Gustafson. 2,447,576, Aug. 24.
- Receiver protective device. W. Hausz. 2,439,656, Apr. 13.
- Receiver, Pulse time modulation multiplex. P. K. Chatterjee and L. W. Houghton. 2,447,233, Aug. 17.
- Receiver, Pulse time modulation multiplex. D. D. Grieg. 2,445,775, July 27.
- Receiver, Radiant energy. W. R. Polye. 2,442,823-4, June 8.
- Receiver, Radiotelegraphy superregenerative. G. Peterson. 2,450,913, Oct. 12.
- Receiver, Static reducing pulse. E. Labin and R. B. Hoffman. 2,444,455, July 6.
- Receiver, Superregenerative. W. R. Koch. 2,451,291, Oct. 12.
- Receiver, Television. L. W. Parker. 2,448,908, Sept. 7.
- Receiver-transmitter system, Wave-signal. L. R. Malling. 2,454,396, Nov. 23.
- Receiving system, Diversity. M. G. Crosby. 2,447,057, Aug. 17.
- Receiving system, Diversity. M. G. Crosby. 2,448,866, Sept. 7.
- Receiving system, Signal. H. J. Fisher. 2,455,052, Nov. 30.
- Receptacle: See—
Colostomy receptacle. Newspaper receptacle.
Conduit receptacle. Packaging receptacle.
Electric terminal receptacle. Plug receptacle.
Electrical receptacle. Protective electrical outlet receptacle.
Fire extinguishing waste paper receptacle. Safety plug-in electrical receptacle.
Flexible pocket receptacle. Stacking receptacle.
Hairpin receptacle. Stud receptacle.
Lock plug receptacle. Waste receptacle.
Receptacle. C. O. Ball. 2,439,768, Apr. 13.
Receptacle and closure. J. Hohl and E. L. Voigt. 2,443,508, June 15.
Receptacle and closure thereof. W. H. Schrader. 2,454,674, Nov. 23.
Receptacle and dispenser, Cigarette. B. Olivier. 2,434,222, Jan. 6.
Receptacle and fuse, Combination electric. P. Alemag-hides. 2,454,024, Nov. 16.
Receptacle and plug, Polarized house wiring. C. L. Clark. 2,450,467, Oct. 5.
Receptacle and supporter, Sanitary. E. N. Broderick. 2,439,683, Apr. 13.
Receptacle closure means. G. Keith. 2,456,560, Dec. 14.
Receptacle device, Electrical outlet. J. F. O'Brien and E. S. Boynton. 2,451,507, Oct. 19.
Receptacle for use with roller type applicators, Paint. W. R. Faust. 2,444,096, June 29.
Receptacle for vehicles. W. L. Langley. 2,447,188, Aug. 17.
Receptacle having pivotally supported units, Flexible pocket. G. R. Hawes. 2,439,731, Apr. 13.
Receptor, Sheet-metal. F. H. Richterkessing. 2,449,323, Sept. 14.
Recessing tool. H. J. Pfrehm. 2,457,269, Dec. 28.
Reciprocal actuator. L. Ochtman. 2,441,505, May 11.
Reciprocating abutment fluid pump. J. P. Johnson. 2,452,468, Oct. 26.
Reciprocating bender for making successive bends in metal tubes or rods. G. Greenwood. 2,436,642, Feb. 24.
Reciprocating converter. V. de Filgué. 2,448,298, Aug. 31.
Reciprocatory motion, Effecting. P. R. Hoopes. 2,437,530, Mar. 9.
Reclaiming foundry sand. A. C. Christensen and R. L. McIlvaine. 2,456,769, Dec. 21.
Reclaiming used metal molds. C. R. Tinsley. 2,437,626, Mar. 9.
Reclamation system, Material. R. L. McIlvaine. 2,457,587, Dec. 28.
Recognition system for pulse echo radio locators. G. M. Charrier. 2,453,970, Nov. 16.
Reconditioning contaminated oil, Process and apparatus for. C. J. Egger and R. H. Webster. 2,451,668, Oct. 19.

- Record assembly, Carbon interleaved. J. A. Gilbert. 2,448,143, Aug. 31.
- Record changer for phonographs, Automatic. A. J. Ansar. 2,435,264, Feb. 3.
- Record changer, Turnover. J. D. Weaver. 2,450,402, Sept. 28.
- Record changing apparatus, Automatic. O. C. Bocher. 2,452,721, Nov. 2.
- Record controlled distributing and accounting machine. R. E. Page and H. S. Beattie. 2,434,512, Jan. 13.
- Record controlled machine. G. F. Daly. 2,448,781, Sept. 7.
- Record controlled machine. D. W. Rubidge, C. R. Manning, J. B. Greene, and J. D. Hood. 2,445,636, July 20.
- Record-controlled printing apparatus. H. L. Tholstrup. 2,448,842, Sept. 7.
- Record demonstrator, Phonograph. K. R. McKee. 2,441,893, May 18.
- Record engraver suspension for sound track registering machines. L. Chanal. 2,445,762, July 27.
- Record filing device. M. B. Hall and S. K. Ketterman. 2,435,077, Jan. 27.
- Record mounting means, Facsimile apparatus. W. G. H. Finch. 2,451,079, Oct. 12.
- Recorder. A. E. Anderson. 2,451,464, Oct. 19.
- Recorder. A. H. Reiber. 2,436,229, Feb. 17.
- Recorder for programs, Preference. A. W. Baldwin. 2,444,327, June 29.
- Recorder, Hangfire. H. Smith and J. V. Dunham. 2,437,276, Mar. 9.
- Recorder having suppression of spacing control of printing without suppression of similar control for punching. A. H. Reiber. 2,436,230, Feb. 17.
- Recorder, Heated stylus inkless. H. T. Faus. 2,454,966, Nov. 30.
- Recorder, Inside scanning facsimile. W. S. Tandler and D. S. Walker. 2,435,250, Feb. 3.
- Recorder, Job elapsed time. A. Amend, Jr., and G. C. Engel. 2,454,025, Nov. 16.
- Recorder, Pulse frequency selective. J. M. Hollywood. 2,436,512, Feb. 24.
- Recorder, Register-controlled time. T. J. Watson and A. L. Sprecker. 2,451,790, Oct. 19.
- Recorder, Ship's telegraph. H. J. Callahan. 2,438,331, Mar. 23.
- Recorder, Specific gravity. J. R. Martin and F. B. Burrell. 2,451,036, Oct. 12.
- Recorder system, Job time. A. L. Denniston and S. H. Martin. 2,452,359, Oct. 26.
- Recorder, Three-magnitude. G. Keinath. 2,447,018, Aug. 17.
- Recorder with friction drive device incorporated within the magazine, Magnetic. R. A. Marsen. 2,457,699, Dec. 28.
- Recorder with magnetically positioned electric indicator. P. H. Dike and E. D. Doyle. 2,449,283, Sept. 14.
- Recording and reproducing apparatus. U. L. di Ghilini. 2,446,324, Aug. 3.
- Recording apparatus. D. E. Sunstein. 2,436,235, Feb. 17.
- Recording apparatus, Facsimile. C. J. Young. 2,454,247, Nov. 16.
- Recording apparatus, Motion. W. D. Macgeorge. 2,451,757, Oct. 19.
- Recording apparatus volume level indicator. P. S. Gay. 2,449,291, Sept. 14.
- Recording device. H.-G. Doll and G. K. Miller. 2,457,214, Dec. 28.
- Recording device, Single-electrode high-speed. A. B. J. Clark. 2,444,917, July 13.
- Recording instrument having plural pens and an oscillating actuator. J. H. Keegan. 2,445,272, July 13.
- Recording liquid dispenser. H. R. Wheeler and J. A. Kofalt. 2,455,962, Dec. 14.
- Recording mechanism, Straight-line. E. W. Clark. 2,442,586, June 1.
- Recording system, High-speed. J. A. Wilson and J. J. Heigl. 2,434,531, Jan. 13.
- Records, Manufacture of phonograph. F. C. Hinckley. 2,448,030, Aug. 31.
- Recovering and refining cardiolipin. M. C. Pangborn. 2,456,836, Dec. 21.
- Recovering metal values from slags. A. M. Gronningsaeter. 2,438,911, Apr. 6.
- Recovering olefins from a hydrocarbon stream. A. A. Draeger. 2,456,260, Dec. 14.
- Recovering organic compounds. J. S. Hill. 2,436,804, Mar. 2.
- Recovery and purification of cyclopentadiene. H. R. Legatski. 2,439,307, Apr. 6.
- Recovery of acidic gases. A. W. Hixson and R. Miller. 2,449,537, Sept. 21.
- Recovery of fluosulfonic acid and use as condensing agent in production of D. D. T. C. W. Gates and W. P. Woods. 2,447,326, Aug. 17.
- Recovery of hydrogen fluoride by distillation with an olefin. G. R. Reading and R. E. Vinyard. 2,448,620, Sept. 7.
- Recovery of protein from proteinous materials. A. V. L. Oppen and W. P. ter Horst. 2,450,810, Oct. 5.
- Recreation apparatus. C. B. Poorman, Jr. 2,448,325, Aug. 31.
- Rectangular electrical impulses, Generating. M. M. Lévy. 2,445,785, July 27.
- Rectangular flexible metal tubing, Forming. J. S. Wyllie. 2,440,792, May 4.
- Rectifier. C. A. Escoffery and W. H. Hawk. 2,457,138, Dec. 28.
- Rectifier. W. R. Koch. 2,439,224, Apr. 6.
- Rectifier. G. L. Krieger. 2,445,441, July 20.
- Rectifier and assembly. W. Fiore. 2,445,769, July 27.
- Rectifier and making the same. M. F. Skinner, I. P. Dennyssen, and M. G. Kolmes. 2,434,967, Jan. 27.
- Rectifier disks, Manufacture of. E. A. Richards, L. J. Ellison, and F. Gray. 2,450,020, Sept. 28.
- Rectifier elements, Electroforming. M. J. Stateman. 2,457,186, Dec. 28.
- Rectifier elements, Manufacturing of. A. J. Miller and J. W. Fleisher. 2,457,169, Dec. 28.
- Rectifier, Enclosed. M. F. Skinner. 2,445,805, July 27.
- Rectifier, Metal. E. A. Richards. 2,434,960, Jan. 27.
- Rectifier, Metal. E. A. Richards. 2,447,534, Aug. 24.
- Rectifier, Metal. A. M. Searle. 2,454,843, Nov. 30.
- Rectifier, Metal contact. O. Saslaw. 2,452,603, Nov. 2.
- Rectifier, Regulated. G. W. Meszaros and D. E. Trucksess. 2,434,947, Jan. 27.
- Rectifier, Regulated. J. A. Potter. 2,443,638, June 22.
- Rectifier, Selenium. W. E. Blackburn. 2,449,444, Sept. 14.
- Rectifier stack. M. F. Skinner. 2,454,846, Nov. 30.
- Rectifier system. J. A. Kratz. 2,443,658, June 22.
- Rectifier system. R. Lee and C. K. Hooper. 2,439,938, Apr. 20.
- Rectifier system. O. H. Schade. 2,439,223, Apr. 6.
- Rectifier system. P. J. Walsh. 2,435,062, Jan. 27.
- Rectifiers, Making. M. F. Skinner, L. B. Haigh, and R. O. Hall. 2,444,473, July 6.
- Rectifiers, Making selenium. W. E. Blackburn. 2,447,630, Aug. 24.
- Rectifiers, Manufacture of dry contact. B. B. Grace, L. J. Ellison, H. S. Leman, C. W. Leng, and A. S. Bridge. 2,449,986, Sept. 28.
- Rectifying network for measuring alternating currents. L. Jofeh. 2,440,200, Apr. 20.
- Rectifying system. W. S. Master. 2,444,458, July 6.
- Rectifying system, Current. O. D. Grandstaff. 2,435,681, Feb. 10.
- Rectifying system, Regulated. G. H. Pohm. 2,442,960, June 8.
- Reducing device, Oscillation. F. M. M. B. Salomon. 2,451,513, Oct. 19.
- Reducing disengaging height in fluidized powder systems. G. D. Creelman. 2,455,561, Dec. 7.
- Reducing the mercaptan sulfur content of hydrocarbon oils. J. Happel and S. P. Cauley. 2,453,067, Nov. 2.
- Reducing visible vapors above open vats and the like, Method of and apparatus for. G. Tree. 2,451,418, Oct. 12.
- Reduction of the ash content of nitroaromatic compounds. R. B. Mason. 2,447,585, Aug. 24.
- Reed device, Polarized. F. H. Gulliksen. 2,449,472, Sept. 14.
- Reed for wind instruments, Perforated. J. Miller. 2,456,299, Dec. 14.
- Reed for wind instruments, Reversible. J. Miller. 2,456,298, Dec. 14.
- Reed stroboscope, Visual vibrating. W. J. Grace. 2,445,304, July 13.
- Reel: See—
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| Automatic reel. | Plumb bob reel. |
| Cable reel. | Thread advancing reel. |
| Casting reel. | Thread advancing, storage, and stretching reel. |
| Clothesline reel. | Trout reel. |
| Fishing reel. | Wire pay-off reel. |
| Hose storage reel. | Wire reel. |
| Knockdown garden hose reel. | Yarn-advancing reel. |
| Motion-picture film reel. | |
- Reel. H. Greisman. 2,436,861, Mar. 2.
- Reel and cutter device. N. and M. Sloane. 2,444,117, June 29.
- Reel and rake apparatus for combines. H. N. Irvine. 2,454,063, Nov. 16.
- Reel assembly. R. R. Allen. 2,434,479, Jan. 13.
- Reel for grain harvesters. R. A. Press. 2,457,490, Dec. 28.
- Reel for tape measures, Winding. L. R. Smith. 2,455,819, Dec. 7.
- Reel mechanism. L. E. Simmons. 2,450,257, Sept. 28.
- Reel strander, Tubular. C. O. Bruestle. 2,445,261, July 13.
- Reel winding and line drying device. E. Gopner. 2,446,583, Aug. 10.
- Reeled film, Retainer for. E. F. Folick. 2,440,853, May 4.
- Reeling device switch. E. J. Wester and E. R. Ziegler. 2,438,082, Mar. 16.
- Refectory table. J. J. Nash. 2,456,835, Dec. 21.
- Refined chemical pulp into viscose, Improving the processing of. P. H. Schlosser and K. R. Gray. Re. 23,013, June 29.
- Refining copper and its alloys. M. G. Corson. 2,452,996, Nov. 2.
- Refining of hydrocarbon oil containing mercaptans. K. M. Brown and C. G. Gerhold. 2,437,348, Mar. 9.
- Refining of inositol solutions. M. J. Thomas. 2,456,470, Dec. 14.
- Refining of petroleum hydrocarbon products, Liquid phase. F. W. Breth and A. Kinsel. 2,449,051, Sept. 14.
- Refining tin metal. J. F. Jordan. 2,441,768, May 18.

- Reflecting vapor lamp. G. C. Singer. 2,457,503, Dec. 28.
 Reflectometer for waveguide systems. J. R. Ford. 2,445,348, July 20.
 Reflectometer, Specular. W. Liben. 2,451,501, Oct. 19.
 Reflector. J. M. Wolf. 2,452,822, Nov. 2.
 Reflector assembly. H. L. Goebel. 2,435,679, Feb. 10.
 Reflector drift indicator apparatus for boats and aircraft. W. W. Remy. 2,452,682, Nov. 2.
 Reflector lamp. J. H. Kurlander. 2,441,824, May 18.
 Reflector lamp and optical system. J. H. Kurlander. 2,441,823, May 18.
 Reflector sheet and making the same, Lenticular reflex. H. Heltzer and J. E. Clarke. 2,440,584, Apr. 27.
 Reflex reproducing process. J. P. Dobbins. 2,441,010, May 4.
 Reflex thermal electric meter. M. E. Ames, Jr., and D. E. Sunstein. 2,437,449, Mar. 9.
 Refractometer based on the principle of total reflections. M. Silge. 2,445,499, July 20.
 Refractories. L. W. Austin. 2,434,451, Jan. 13.
 Refractory and making same. C. C. Silverberg. 2,440,187, Apr. 20.
 Refractory article. H. W. McQuaid. 2,444,361, June 29.
 Refractory, Porous. C. J. Kinzie and E. Wainer. Re. 22,997, May 4.
 Refractory structures, Basic. E. C. Hite. 2,454,922, Nov. 30.
 Refreshment bar and partitioning screen, Convertible. D. L. Doggett and W. Schier. 2,457,536, Dec. 28.
 Refrigerant container construction for railway refrigerator cars. A. L. Thompson. 2,452,164, Oct. 26.
 Refrigerant flow control means. H. T. Lange. 2,443,581, June 15.
 Refrigerated clothes vault. S. Weiss. 2,438,869, Mar. 30.
 Refrigerated dispensing cabinet. M. Rifkin. 2,446,788, Aug. 10.
 Refrigerated display cabinet, Open-front. E. O. Henderson. 2,450,088, Sept. 28.
 Refrigerated display case. N. Achs. 2,441,463, May 11.
 Refrigerated display case. C. F. Hoffman. 2,438,972, Apr. 6.
 Refrigerated products and methods and apparatus for producing same. H. W. Protzeller. 2,447,665, Aug. 24.
 Refrigerating and air conditioning apparatus. E. D. Bookman. 2,437,417, Mar. 9.
 Refrigerating and article by contact with a vaporizable refrigerant. R. H. Hill. 2,447,249, Aug. 17.
 Refrigerating apparatus. D. Aronson. 2,452,711, Nov. 2.
 Refrigerating apparatus. L. A. Philipp. 2,444,667, July 6.
 Refrigerating apparatus. I. M. Wherry. 2,454,727, Nov. 23.
 Refrigerating apparatus and method. L. R. Smith. 2,443,203, June 15.
 Refrigerating apparatus and method, Two temperature absorption. O. B. Sutton. 2,436,945, Mar. 2.
 Refrigerating apparatus assembled and removed from cabinet as a unit. D. G. Brauer. 2,445,470, July 20.
 Refrigerating apparatus for cold storage cabinets. M. Burney. 2,450,114, Sept. 28.
 Refrigerating apparatus of the intermittent absorption or adsorption type. Nils Erland af Kleen. 2,438,105 Mar. 23.
 Refrigerating apparatus with means for indicating the quantity of solid refrigerant therein. C. E. Heilig, Jr. 2,447,335, Aug. 17.
 Refrigerating device, Immersion type. J. S. Erickson. 2,440,397, Apr. 27.
 Refrigerating machine. A. d'Halley. 2,440,079, Apr. 20.
 Refrigerating plate and internal reinforcement therefor. H. W. Kleist. 2,436,389, Feb. 24.
 Refrigerating system. A. B. Hubbard. 2,453,131, Nov. 9.
 Refrigerating system. G. Muffy. 2,448,454, Aug. 31.
 Refrigerating system, Absorption. C. C. Coons. 2,452,635, Nov. 2.
 Refrigerating system and heat exchanger therefor. A. F. Hoessel. 2,441,270, May 11.
 Refrigerating system defrosted by hot liquid refrigerants. J. B. Cocnour. 2,452,102, Oct. 26.
 Refrigerating system having thermometer-receiving well at the evaporator inlet and outlet. L. S. Cooper. 2,451,072, Oct. 12.
 Refrigerating system of the inert gas type. F. E. Dixon. 2,443,379, June 15.
 Refrigerating system, Two-temperature. L. W. Atchison. 2,454,537, Nov. 23.
 Refrigerating system, Two-temperature. L. W. Atchison. 2,455,850, Dec. 7.
 Refrigerating system using dry ice and including a secondary heat exchange circuit. R. L. Brunsing. 2,450,713, Oct. 5.
 Refrigerating unit for vehicles. P. R. Brause. 2,455,401, Dec. 7.
 Refrigeration. C. C. Coons. 2,446,636, Aug. 10.
 Refrigeration. O. B. Sutton. 2,452,699, Nov. 2.
 Refrigeration apparatus. E. C. Tanner. 2,457,009, Dec. 21.
 Refrigeration apparatus. V. V. Torbensen. 2,449,343, Sept. 14.
 Refrigeration apparatus having frost localizing means. W. P. Jones. 2,442,978, June 8.
 Refrigeration apparatus including a direct-current compressor motor and an alternating-current agitator motor. M. W. Flsh. 2,436,426, Feb. 24.
 Refrigeration compressor. J. Touborg. 2,435,108, Jan. 27.
 Refrigeration construction. J. H. Denedy. 2,438,114, Mar. 23.
 Refrigeration control apparatus. E. H. Ayers. 2,449,800, Sept. 21.
 Refrigeration employing Dry Ice. N. Morris. 2,452,594, Nov. 2.
 Refrigeration system. A. B. Newton. 2,454,263, Nov. 16.
 Refrigeration system, Absorption. J. N. Roth. 2,454,344, Nov. 23.
 Refrigeration system, Absorption type. W. R. Hainsworth. 2,440,583, Apr. 27.
 Refrigeration system and control therefor, Plural stage. W. L. McGrath. 2,453,095, Nov. 2.
 Refrigeration system including a load control apparatus. E. L. Schultz and E. A. Bailey. 2,434,953, Jan. 13.
 Refrigeration system including an internal-combustion engine and control means therefor. F. E. Cary. 2,435,493, Feb. 3.
 Refrigeration system using gas for defrosting. O. B. Lund. 2,451,682, Oct. 19.
 Refrigeration unit, Sealed. H. E. Thompson. 2,452,807, Nov. 2.
 Refrigeration unit with controls therefor, Cascade. H. C. Cooper. 2,456,386, Dec. 14.
 Refrigerator. L. J. Bronaugh and T. I. Potter. Re. 23,058, Dec. 14.
 Refrigerator. G. L. C. Earle. 2,443,787, June 22.
 Refrigerator. F. H. Stiening. 2,441,376, May 11.
 Refrigerator and maintaining the compartments thereof at different temperatures. H. K. Johnson. 2,437,257, Mar. 9.
 Refrigerator cabinet. E. D. Drake. 2,442,921, June 8.
 Refrigerator cabinet and maintaining a layer of cold air therein. L. H. Behrens. 2,446,686, Aug. 10.
 Refrigerator cabinet and mounting a compressor and condenser therein. G. K. Iwashita. 2,446,876, Aug. 10.
 Refrigerator cabinet including means for preventing condensation. W. Peglow. 2,441,080, May 4.
 Refrigerator car door. W. A. Beauchamp. 2,442,031, May 25.
 Refrigerator car door. J. J. Hveem. 2,453,793, Nov. 16.
 Refrigerator construction having means to restrict moisture in the walls of the cabinet. C. C. Heritage. 2,451,286, Oct. 12.
 Refrigerator construction with removable refrigerator unit. R. W. Ayres. 2,445,988, July 27.
 Refrigerator, Controlled humidity. J. J. Bauman. 2,442,188, May 25.
 Refrigerator cooled by a forced air circuit, Walk-in. C. C. Brinkoeter. 2,450,109, Sept. 28.
 Refrigerator, Cylindrical domestic. W. L. Morrison. 2,455,872, Dec. 7.
 Refrigerator door latch. G. E. Curtiss, Jr. 2,451,381, Oct. 12.
 Refrigerator evaporator. C. E. Hickman. 2,433,951, Jan. 6.
 Refrigerator for making and using crushed ice. L. V. Lucia. 2,449,132, Sept. 14.
 Refrigerator having a heat dissipating device for the electric motor thereof. J. J. Bauman. 2,451,903, Oct. 19.
 Refrigerator, Motor vehicle. F. W. Merstick. 2,437,885, Mar. 16.
 Refrigerator mullion construction for preventing condensation. W. E. Hursey and G. Strunk. 2,449,384, Sept. 14.
 Refrigerator, Open top display. C. B. Shreve. 2,442,515, June 1.
 Refrigerator, Portable. M. Brodheim. 2,454,303, Nov. 23.
 Refrigerator provided with a refrigerated drawer. F. W. Stuart. 2,450,844, Oct. 5.
 Refrigerator tractor. E. L. Mayo and A. G. Getz. 2,443,472, June 15.
 Refrigerator, Two-temperature. D. E. Dalley. Re. 22,976, Feb. 24.
 Refrigerator, Two-temperature. G. K. Iwashita. 2,434,361, Jan. 13.
 Refrigerator, Two temperature intermittent type absorption. O. B. Sutton. 2,435,107, Jan. 27.
 Refrigerator, Two-temperature intermittently operating. A. G. Gross. 2,444,698, July 6.
 Refuse incinerator with dumping grate. A. C. Waterman. 2,453,289, Nov. 9.
 Regenerated cellulose films, Making. J. B. Nichols. 2,445,333, July 20.
 Regenerating anodizing baths. J. Schulein. 2,436,940, Mar. 2.
 Regenerating HF catalyst, in an alkylation process. E. M. Skinner, R. E. Redfield, and J. C. Bolinger. 2,442,666, June 1.
 Regeneration of activated carbon by inorganic liquid treatment. G. J. Meerdink. 2,455,260, Nov. 30.
 Regeneration of alumina adsorbents by oxidation. K. A. Krieger and H. Heinemann. 2,457,566, Dec. 28.
 Regeneration of steroid ketones. E. B. Hershberg. 2,447,463, Aug. 17.
 Regeneration of synthetic metal silicate adsorbents by oxidation. H. Heinemann and K. A. Krieger. 2,457,556, Dec. 28.
 Regenerative repeater. W. T. Rea and J. R. Wilkerson. 2,454,089, Nov. 16.
 Regenerator for open hearths and the like. J. F. McLimans and L. L. Ausland. 2,435,230, Feb. 3.

- Regenerator system, Fluid catalyst. W. A. Myers and W. A. Hall. 2,451,573, Oct. 19.
- Register, Air. A. W. Anderson. 2,439,554, Apr. 13.
- Register, Cash. S. P. Midouhas. 2,454,000, Nov. 16.
- Register, Cash. H. O. Randall and J. B. Geers. 2,450,165, Sept. 28.
- Register device. L. C. Gardner. 2,444,224, June 29.
- Register equipped with discharge tube means, Key controlled numerical digit. G. Deakin. 2,440,249, Apr. 27.
- Register for calculating machines, Control. H. O. Podenphant. 2,436,663, Feb. 24.
- Register for meters, Consumption. F. S. and R. B. Beach. 2,443,411, Aug. 31.
- Register mechanism, Coin control and credit. J. J. Toolan. 2,435,933, Feb. 10.
- Registering flat bed color printing elements with their fixed registry elements. E. L. Harley. 2,452,373, Oct. 26.
- Regulating apparatus. A. H. Gebauer. 2,444,563, July 6.
- Regulating apparatus. E. W. Graham. 2,449,217, Sept. 14.
- Regulating apparatus. A. J. Loepsinger. 2,434,421, Jan. 13.
- Regulating apparatus, Electric. E. H. Haug. 2,441,967, May 25.
- Regulating apparatus, Electric. E. H. Haug and F. A. Hansen. 2,436,925, Mar. 2.
- Regulating device. I. E. Wieggers. 2,440,034, Apr. 20.
- Regulating device, Fluid. C. O. J. Montelius. 2,437,113, Mar. 2.
- Regulating mechanism responsive to variations in density and temperature of liquids. G. S. Younkin. 2,445,255, July 13.
- Regulating system. E. Frisch. 2,447,644, Aug. 24.
- Regulating system. E. L. Harder. 2,456,938, Dec. 21.
- Regulating system. E. L. Harder and E. I. Pollard. 2,454,165, Nov. 16.
- Regulating system. W. R. Harris. 2,449,475, Sept. 14.
- Regulating system. H. S. Kirschbaum. 2,447,655, Aug. 24.
- Regulating system. H. S. Kirschbaum. 2,448,442, Aug. 31.
- Regulating system. H. M. Rustebakke. 2,443,665, June 22.
- Regulating system. H. M. Rustebakke and A. W. Kimball. 2,454,211, Nov. 16.
- Regulating system, Current. R. W. Holman. 2,455,997, Dec. 14.
- Regulating system for inverted rotary converter. A. Fisher. 2,444,769, July 6.
- Regulating system, Vibrator. H. J. Brown. 2,456,910, Dec. 21.
- Regulating valve. H. B. Schultz. 2,447,820, Aug. 24.
- Regulating valve. W. W. Taylor. 2,434,020, Jan. 6.
- Regulation of turbosupercharged engines, Speed responsive. J. Füllemann. 2,444,644, July 6.
- Regulations for engine cooling, Thermostatic. T. L. Weybrew. 2,452,007, Oct. 19.
- Regulator: See—
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| Aircraft cabin pressure regulator. | Fluid flow regulator. |
| Amplitude controlled current regulator. | Gas flame regulator. |
| Boost regulator. | Induction pressure regulator. |
| Cabin pressure regulator. | Magnetron filament temperature regulator. |
| Cam-controlled pressure regulator. | Oil temperature regulator. |
| Draft regulator. | Oxygen demand regulator. |
| Electric circuit regulator. | Power regulator. |
| Electrical regulator. | Pump output regulator. |
| Electronic high-voltage regulator. | Speed regulator. |
| Flow regulator. | Temperature regulator. |
| Regulator. H. A. Alexanderson. 2,453,653, Nov. 9. | Vehicle window regulator. |
| Regulator. W. S. Graff-Baker. 2,445,171, July 13. | Voltage regulator. |
| Regulator. L. M. Patrick. 2,456,212, Dec. 14. | Regulator. H. A. Alexanderson. 2,453,653, Nov. 9. |
| Regulator and equalizer for pile fabric looms, Tension. H. H. Fonda. 2,436,067, Feb. 17. | Regulator. W. S. Graff-Baker. 2,445,171, July 13. |
| Regulator circuit. D. R. Gibbons and H. L. Chaney. 2,435,961, Feb. 17. | Regulator. L. M. Patrick. 2,456,212, Dec. 14. |
| Regulator for gas-burning heaters for liquids. G. H. Krisor. 2,436,651, Feb. 24. | Regulator and equalizer for pile fabric looms, Tension. H. H. Fonda. 2,436,067, Feb. 17. |
| Regulator system. H. G. Frostick. 2,456,936, Dec. 21. | Regulator circuit. D. R. Gibbons and H. L. Chaney. 2,435,961, Feb. 17. |
| Regulator system. H. Ziebolz. 2,453,563, Nov. 9. | Regulator for gas-burning heaters for liquids. G. H. Krisor. 2,436,651, Feb. 24. |
| Regulator system, Arc furnace electrode. W. R. Harris. 2,442,003, May 25. | Regulator system. H. G. Frostick. 2,456,936, Dec. 21. |
| Regulator system, Cabin supercharger. F. E. Crever. 2,439,239, Apr. 6. | Regulator system. H. Ziebolz. 2,453,563, Nov. 9. |
| Regulator system, Multiple. H. Ziebolz. 2,434,189, Jan. 6. | Regulator system, Arc furnace electrode. W. R. Harris. 2,442,003, May 25. |
- Reinforced structures, Making. E. L. Vidal and L. J. Marhofer. 2,451,131, Oct. 12.
- Reinforcement, Pretensioned. M. Chalos. 2,449,276, Sept. 14.
- Reinforcing cord and manufacture. G. P. Standley and K. M. McLellan. 2,436,978, Mar. 2.
- Reinforcing tabs for loose-leaf sheets, Strip of severable. C. E. Hedrick, Sr. 2,437,640, Mar. 9.
- Reinking attachment, Typewriter ribbon. L. Onzay. 2,441,973, May 25.
- Relating machine. C. E. Johnson. 2,453,228, Nov. 9.
- Relative temperature indicator. P. F. Adair. 2,450,871, Oct. 12.
- Relaxing keratinous fibres. E. B. Michaels and B. Lustig. 2,437,965, Mar. 16.
- Relay. C. V. Bullen and C. J. Anderson. 2,443,784, June 22.
- Relay. L. Hegy. 2,454,060, Nov. 16.
- Relay. F. C. Iglehart. 2,456,945, Dec. 21.
- Relay. I. B. Penniman. 2,443,991, June 22.
- Relay. L. J. Stacy. 2,452,079, Oct. 26.
- Relay, Automatically locking. R. P. De Anthony. 2,441,137, May 11.
- Relay bearing structure. O. S. Field. 2,435,000, Jan. 27.
- Relay circuits and relay. A. H. Lamb. 2,440,861, May 4.
- Relay computing mechanism. W. Lang. 2,434,499, Jan. 15.
- Relay contact system. A. H. Lamb. 2,442,500, June 1.
- Relay, Differential. C. P. Clare and G. Weinreich. 2,448,772, Sept. 7.
- Relay, Differential. J. Stoeklin. 2,456,541, Dec. 14.
- Relay, Electrical. A. E. Dodd. 2,456,112, Dec. 14.
- Relay employing an electron discharge device, High-frequency. P. L. Hartman. 2,435,585, Feb. 10.
- Relay for reliable operation with definite excitation. H. Perret. 2,455,699, Dec. 7.
- Relay for use with alternating current of variable frequency and voltage, Electric. C. E. Randall. 2,457,724, Dec. 28.
- Relay, Glow. A. L. Peacock and B. A. Jensen. 2,457,487, Dec. 28.
- Relay, Overload. L. J. Berberich. 2,456,907, Dec. 21.
- Relay, Overload. J. H. St. John. 2,435,607, Feb. 10.
- Relay, Polarized electrical. T. J. O'Meara. 2,454,713, Nov. 23.
- Relay, Polarized electromagnetic. O. S. Field. 2,435,001, Jan. 27.
- Relay, Reactance type. A. C. Mehrling. 2,439,944, Apr. 20.
- Relay, Shock resistance. L. C. Doane. 2,451,323, Oct. 12.
- Relay structure, Electromagnetic. G. Deakin. 2,449,981, Sept. 28.
- Relay system. R. E. Hersey. 2,452,051, Oct. 26.
- Relay system, Electrical. S. B. Hall. 2,454,161, Nov. 16.
- Relay system, Pulse counting. C. H. Zierdt, Jr. 2,439,405, Apr. 13.
- Relay system, Sound operated. H. C. Hayes and H. M. Trent. 2,433,845, Jan. 6.
- Relay, Two-step. M. B. Staszak. 2,441,041, May 4.
- Relay with time delay, Impulse actuated electromagnetic. H. G. Miller. 2,434,948, Jan. 27.
- Relay yoke. F. E. Wood. 2,456,036, Dec. 14.
- Relaying system. B. E. Lenehan. 2,449,490, Sept. 14.
- Relaying system, Phase responsive protective. A. J. McConnell. 2,456,976, Dec. 21.
- Relaying system, Protective. E. L. Harder. 2,454,163, Nov. 16.
- Relays with interlocking armatures. J. H. Horman. 2,441,633, May 18.
- Releasable connecting mechanism. M. Matuszewski. 2,443,629, June 22.
- Release coupling. R. B. Cotton, R. J. Ryan, and J. J. Domoj. 2,444,919, July 13.
- Release mechanism, Spring. F. E. Harrison. 2,441,146, May 11.
- Release mechanism, Tow. H. P. Kleinkort. 2,453,139, Nov. 9.
- Relief valve. F. B. Hunter. 2,440,608, Apr. 27.
- Relieving machine. J. Martin. 2,435,046, Jan. 27.
- Relieving the teeth of circular cutting elements. R. W. Andreasson. 2,434,753, Jan. 20.
- Remembrancer. J. L. Younghusband. 2,453,955, Nov. 16.
- Remote-control adjustable mirror. F. J. Aves. 2,456,362, Dec. 14.
- Remote control and indication system, Electric. E. M. S. McWhirter and H. J. Ward. 2,452,589, Nov. 2.
- Remote-control and indicator system. W. P. Lear. 2,436,583, Feb. 24.
- Remote-control apparatus. J. A. Potter. 2,443,639, June 22.
- Remote-control apparatus, Radio. M. N. Yardeny. 2,454,022, Nov. 16.
- Remote-control apparatus with adjustable gap. M. N. Yardeny and R. Bernas. 2,453,106, Nov. 2.
- Remote control device, Tubular. L. Herkert. 2,442,360, June 1.
- Remote control for displaceable objects. C. H. Dederick. 2,455,568, Dec. 7.
- Remote control for electric transmission systems. W. A. Derr. 2,454,140, Nov. 16.
- Remote-control generator circuit. C. Farrow. 2,438,634, Mar. 30.
- Remote control hydraulic apparatus. H. E. Page. 2,442,058, May 25.
- Remote control mechanism. E. M. Fry. 2,441,808, May 18.
- Remote control, Proportional. H. E. Haynes. 2,447,121, Aug. 17.
- Remote control system. L. R. Breese. 2,444,243, June 29.
- Remote control system. P. K. Eckhardt. 2,435,821, Feb. 10.
- Remote control system. H. G. Evers. 2,439,205, Apr. 6.
- Remote control system. A. P. Jackel. 2,442,603, June 1.
- Remote control system. J. L. Moncrief. 2,444,460, July 6.

- Remote control system. H. O. Peterson. 2,446,607, Aug. 10.
- Remote-control system. L. G. Riley. 2,447,669, Aug. 24.
- Remote control system. J. J. Root. 2,453,386, Nov. 9.
- Remote control system. C. E. Seymour. 2,457,607, Dec. 28.
- Remote control system. C. H. Wright, G. A. Chadwick, and P. W. Burk. 2,453,173, Nov. 9.
- Remote control system, Bidirectional selective. L. Kogane. 2,449,391, Sept. 14.
- Remote control system for cranes. R. Bollaert. 2,434,636, Jan. 20.
- Remote-control system for prime mover dynamo plants. J. L. Moncrief. 2,450,904, Oct. 12.
- Remote control system particularly for arc welding. F. Rimmington. 2,443,776, June 22.
- Remote-control system, Radio. J. M. Brian. 2,451,150, Oct. 12.
- Remote control system, Synchronous preset. M. N. Yardeny. 2,450,071, Sept. 28.
- Remote control with multiple-speed governor. M. N. Yardeny. 2,455,901, Dec. 7.
- Remote-controlled electric motor system. R. W. Leland. 2,442,654, June 1.
- Remote controlled parking windshield wiper motor. R. E. Utter and D. H. Stoltenberg. 2,436,462, Feb. 24.
- Remote indicating compass. A. T. Sinks. 2,437,132, Mar. 2.
- Remote indicating plant operating on the impulse compensation method. W. Bensch. 2,451,606, Oct. 19.
- Remote inventory control system. E. W. E. Kamm and J. J. Delaney. 2,445,291, July 13.
- Remote position control system. M. N. Yardeny. 2,440,838, May 4.
- Remote positioning control. W. P. Lear. 2,438,061, Mar. 16.
- Remote radio receiver tuning indicating apparatus. R. A. Clark, Jr. 2,439,201, Apr. 6.
- Remote radio tuning control system. E. F. McDonald, Jr. 2,445,031, July 13.
- Removable bracket. C. H. S. Hunter. 2,457,373, Dec. 28.
- Removable sanitary belt tab. S. D. Postlethwaite. 2,438,790, Mar. 30.
- Removable steering and propulsion unit for shallow draft vessels. W. H. House. 2,446,229, Aug. 3.
- Removal of acidic constituents from gases. C. L. Blohm, F. C. Riesenfeld, and H. D. Frazier. 2,445,468, July 20.
- Removal of fine dust from bauxite. F. W. Breth and A. Kinsel. 2,434,389, Jan. 13.
- Removal of photographically active ingredients from gelatin. R. E. Damschroder and M. E. Kauffman. 2,449,980, Sept. 28.
- Removal of solids from liquids, with a control operating in response to viscosity or pressure, Method of and apparatus for the. E. A. Kamp. 2,454,653, Nov. 23.
- Removal of traces of water from mixtures of hydrogen chloride with low-boiling hydrocarbons. P. L. Roberts. 2,436,900, Mar. 2.
- Removing fats from rutin extracts. J. F. Couch and C. F. Krewson. 2,453,305, Nov. 9.
- Removing gel, Method and apparatus for. T. O. Tongue. 2,443,282, June 15.
- Removing incrustations from lead anodes used for chromium plating. J. Hyner. 2,456,281, Dec. 14.
- Rendering textile material water repellent, and the product. P. J. Arient and H. C. Allen. 2,455,886, Dec. 7.
- Renewable valve seat. H. N. Ruebel. 2,439,024, Apr. 6.
- Repair apparatus, Tire. E. F. Shell. 2,447,035, Aug. 17.
- Repair lock. L. B. Scott. 2,436,078, Feb. 17.
- Repairing electric cables damaged by moisture, Temporarily. J. V. Wallgren and D. V. L. Lindström. 2,439,592, Apr. 13.
- Repeater control system. H. G. Busignies. 2,444,426, July 6.
- Repeater for pulse communication system. G. H. Huber. 2,457,559, Dec. 28.
- Repeater, Start-stop electronic regenerative. H. F. Wilder. 2,435,257, Feb. 3.
- Repeater, Voice operated antisignaling. F. J. Biltz. 2,455,914, Dec. 14.
- Repeating electric fuse. J. W. Bryan. 2,446,739, Aug. 10.
- Repeating system. O. A. Shann. 2,444,067, June 29.
- Replaceable optical temple cover. J. C. Dirlam and J. I. Morris. 2,436,101, Feb. 17.
- Replacement means, Fastening. C. A. Oding. 2,446,189, Aug. 3.
- Reproducer, Pressure-proof. W. A. Myers. 2,434,469, Jan. 13.
- Reproducing motion. R. S. Childs. 2,435,709, Feb. 10.
- Reproducing sound motion pictures in synchronism with the picture and sound on separate media. L. Thompson. 2,454,491, Nov. 23.
- Reproducing system, Sound. O. R. Lawrence. 2,441,425, May 11.
- Reservoir, Oil. W. A. Barnes. 2,441,552, May 18.
- Resilient article, Self-supporting. G. E. Gagnier. 2,455,669, Dec. 7.
- Resilient gauging gate. P. B. Drane and C. D. Laidley. 2,446,577, Aug. 10.
- Resilient holder for abrasive and cleaning materials. C. L. Haber. 2,441,268, May 11.
- Resilient mounting. G. H. Kaemmerling. 2,440,670, Apr. 27.
- Resilient mounting. E. P. Neher. 2,457,706, Dec. 28.
- Resilient sash bearing. F. Booth, Jr. 2,450,078, Sept. 28.
- Resilient sealing disc for bottle seals. J. M. B. Marana. 2,438,671, Mar. 30.
- Resilient shaft hanger. F. M. Guy. 2,450,279, Sept. 28.
- Resilient wheel. J. M. MacLean. 2,450,672, Oct. 5.
- Resilient wheel. J. E. McGlaun. 2,439,312, Apr. 6.
- Resilient wheel. H. A. Wells. 2,436,844, Mar. 2.
- Resiliently mounted bearing. J. E. Shafer. 2,439,267, Apr. 6.
- Resiliently mounted cultivator tool. T. Brown. 2,439,921, Apr. 20.
- Resin and polyallyl ester, Copolymer of modified unsaturated alkyl. E. L. Kropa. 2,443,739, June 22.
- Resin and process of making same, Coated granular. E. J. Gentner. 2,448,524, Sept. 7.
- Resin bonded abrasives and making the same, Mixed. L. Coes, Jr. 2,435,555, Feb. 3.
- Resin-bonded composite product, Manufacturing a. W. R. Hickler. 2,456,006, Dec. 14.
- Resin, Cellular phenolic. J. D. Nelson and P. V. Steenstrup. 2,446,429, Aug. 3.
- Resin coated fiber base and making. F. W. Duggan. 2,444,094, June 29.
- Resin coated product and making it, Craze-resistant synthetic. N. R. Yorke. 2,437,799, Mar. 16.
- Resin coating from copper wire, Removing. R. I. Schub. 2,435,239, Feb. 3.
- Resin composition, Phosphorescent. G. T. Schmidling. 2,436,182, Feb. 17.
- Resin composition, Polyvinyl butyral. R. W. Quarles. 2,442,018, May 25.
- Resin compositions, Heat-stable plasticized. H. J. West and H. M. Enterline. 2,437,657, Mar. 9.
- Resin containing an accelerator, and resin compositions, Coating with synthetic. W. C. Weltman and T. F. Dixon. 2,452,005, Oct. 19.
- Resin, Copolymer of diallyl phthalate and unsaturated alkyl. E. L. Kropa. 2,443,736, June 22.
- Resin, Copolymer of polyallyl ester and unsaturated alkyl. E. L. Kropa. 2,443,737, June 22.
- Resin for stabilizing textiles, Aqueous urea formaldehyde. P. S. Hewett. 2,456,191, Dec. 14.
- Resin from phenol, formaldehyde, saturated and unsaturated hydrocarbons, and rosin. F. Rostler and L. Bornstein. 2,439,824, Apr. 20.
- Resin material, Plasticized natural. F. J. Soday. 2,435,412, Feb. 3.
- Resin, Plasticized urea-formaldehyde. J. R. Alexander, D. Burton, and F. Hausmann. 2,443,368, June 15.
- Resin, Preparation of an alkyl type. H. L. Gerhart and L. M. Adams. 2,436,641, Feb. 24.
- Resin, Preparing organo-silicon. E. G. Rochow. 2,442,212, May 25.
- Resin treatment. L. Auer. 2,433,832, Jan. 6.
- Resinous composition of urea-aldehyde and hydrolyzed interpolymers of a vinyl ester. A. F. Smith. 2,436,080, Feb. 17.
- Resinous compositions. W. B. Clark. 2,457,209, Dec. 28.
- Resinous condensates of β -propiolactone and polyhydroxy compounds. J. R. Caldwell. 2,455,731, Dec. 7.
- Resinous esters of polyhydric alcohols with polymers of styrene and resin acids and preparation thereof. J. A. Arvin and W. B. Gitche. 2,457,769, Dec. 28.
- Resinous interpolymers containing 1,2-dicyano-1-phenylethylene. D. T. Mowry. 2,447,813, Aug. 24.
- Resinous interpolymers containing 1,2-dicyano-1-chloroethylene. D. T. Mowry. 2,447,811, Aug. 24.
- Resinous linear polyesters in crumblike form, Preparing. E. M. Beavers. 2,454,539, Nov. 23.
- Resinous material containing maleonitrile. D. T. Mowry. 2,447,810, Aug. 24.
- Resins, Alkyl. T. W. Evans and D. E. Adelson. 2,435,429, Feb. 3.
- Resins, Aminoamide. C. S. Marvel. 2,436,363, Feb. 17.
- Resins and making, Complex. H. L. Allen and E. G. Kerr. 2,456,357, Dec. 14.
- Resins and making, Thermoplastic. H. L. Allen and F. Kerr. 2,456,358, Dec. 14.
- Resins and method for their production, Anacardiac acrolein. M. T. Harvey. 2,452,374, Oct. 26.
- Resins and polyallyl esters, Compositions of unsaturated alkyl. E. L. Kropa. 2,443,740, June 22.
- Resins and producing the same, Soluble and infusible synthetic. G. B. Gehrenbeck. 2,456,629, Dec. 21.
- Resins and resinous articles, and resinous products resulting therefrom, Improving water-resistant characteristics of. L. Coes, Jr. 2,456,919-21, Dec. 21.
- Resins, Anion exchange. S. Sussman. 2,442,989, June 8.
- Resins, Chlorinated methylpolysiloxane. B. W. Nordlander. 2,439,669, Apr. 13.
- Resins containing alkylene sulfonate groups, Nitrogenous. R. W. Auten and J. L. Rainey. 2,444,802, July 6.
- Resins, Diolfin polymer. F. J. Soday. 2,435,411, Feb. 3.
- Resins, Drying oil-(butadiene-styrene). C. E. Huff and J. H. Clynech. 2,442,086, May 25.
- Resins, Drying oil-neoprene. C. E. Huff and J. H. Clynech. 2,442,085, May 25.
- Resins, Emulsion copolymerization of unsaturated alkyl. E. L. Kropa. 2,443,735, June 22.
- Resins for weld coatings, Silicone. E. C. Rollason and E. H. S. van Someren. 2,452,493, Oct. 26.

- Resins from a methylol monohydric phenol and a polyhydric phenol, Production of. P. H. Rhodes. 2,437,710, Mar. 16.
- Resins from methylene dioxolanes. M. R. Radcliffe and W. G. Mayes. 2,445,733, July 20.
- Resins from sulfur dioxide and unsaturated organic compounds, Manufacture of. A. K. Scribner and F. W. Wilder. 2,453,039, Nov. 2.
- Resins, Low-loss thermosetting. J. Swiss and N. C. Foster. 2,439,953, Apr. 20.
- Resins made by condensing a sulfolphthalein and formaldehyde, Cation-exchange. S. P. Rowland. 2,453,687, Nov. 9.
- Resins, Phenolic-alkyd. L. Coes, Jr. 2,435,554, Feb. 3.
- Resins, Preparation of polyvinyl acetal. G. S. Stamatoff. 2,440,730, May 4.
- Resins prepared by condensing sulfophthalic anhydride and xylene, Cation-exchange. S. P. Rowland. 2,456,085, Dec. 14.
- Resins, Producing lignin. E. Farber. 2,433,576, June 15.
- Resins, Production of siloxane. W. R. Collings, H. N. Fenn, and H. J. Fletcher. 2,447,611, Aug. 24.
- Resins, Stabilization of vinyl. E. Cousins. 2,446,976, Aug. 10.
- Resins, Vanillyl alcohol-formaldehyde. H. F. Lewis and I. A. Pearl. 2,445,292, July 13.
- Resistance device, Variable. A. O. Beckman. 2,454,986, Nov. 30.
- Resistance elements durable at high temperature and proof against chemical action, Manufacturing. A. R. Wejnarth. 2,445,296, July 13.
- Resistance grid and assembling. C. H. Rockwood and D. J. Sikorra. 2,457,399, Dec. 28.
- Resistance of red phosphorous to oxidation, Increasing the. M. S. Silverstein. 2,440,303, Apr. 27.
- Resistance sine wave generator. A. G. Richardson and T. H. Clark. 2,457,178, Dec. 28.
- Resistance unit for flashlights. E. A. Schmidt. 2,453,865, Nov. 16.
- Resistance welding apparatus and jig therefor. W. N. Lurcott. 2,454,190, Nov. 16.
- Resistance welding circuit. R. L. Ringer, Jr. 2,443,777, June 22.
- Resistivity of P-type crystals, Controlling the. H. Jaffe. 2,449,484, Sept. 14.
- Resistor. A. S. Eisenstein and K. J. Germeshausen. 2,452,737, Nov. 2.
- Resistor and making. J. W. Jira. 2,457,678, Dec. 28.
- Resistor and making the same. G. G. Herrick and H. N. Veley. 2,454,508, Nov. 23.
- Resistor for electric discharge devices. T. C. Sargent. 2,457,734, Dec. 28.
- Resistor, Low torque toroidal. G. M. Giannini. 2,456,261, Dec. 14.
- Resolution of a mixture of the stereoisomers of cis-2-(4'-carboxy-butyl)-3:4-ureido-tetrahydrothiophene. K. Folkers, R. Mozingo, and D. E. Wolf. 2,442,681, June 1.
- Resolution of azeotropic mixtures of chlorosilanes. A. E. Newkirk. 2,449,815, Sept. 21.
- Resonance inspection method. F. A. Firestone. 2,439,131, Apr. 6.
- Resonant circuit assembly. R. H. Maxson. 2,436,114, Feb. 17.
- Resonator, Cavity. J. C. Schelleng. 2,453,760, Nov. 16.
- Resonator for musical instruments. A. M. Tyson. 2,452,809, Nov. 2.
- Resonator wave meter. W. W. Hansen. 2,439,388, Apr. 13.
- Respiration apparatus. E. D. Coleman. 2,436,853, Mar. 2.
- Respirator. J. C. Mortensen. 2,439,855, Apr. 20.
- Respirator. W. J. Mullikin. 2,456,724, Dec. 21.
- Responsive device, Selectively. F. H. Hibbard. 2,452,052, Oct. 26.
- Responsive system, Radiation. R. H. Morgan and P. C. Hodges. 2,441,324, May 11.
- Rest for chairs, Sanitary body. H. J. Beyer. 2,445,869, July 27.
- Rest, Grinding machine steady. V. J. Marshall. 2,436,587, Feb. 24.
- Rest holder for centerless grinders, Work. E. C. Krueger. 2,449,488, Sept. 14.
- Rest, Steady. R. E. Jenkins. 2,441,150, May 11.
- Rest, Toe. C. K. Woodman. 2,450,068, Sept. 28.
- Resting device, Skier's. J. Wachtel. 2,445,344, July 20.
- Restraining mechanism for free-piston units. A. Kalitinsky. 2,453,515, Nov. 9.
- Restrictor and heat exchanger, Combination. T. W. Kunzog. 2,448,315, Aug. 31.
- Restrictor-suction line assembly. C. W. Savidge. 2,446,853, Aug. 10.
- Resuscitation apparatus. C. A. Tobias. 2,453,475, Nov. 9.
- Retainer and dispenser for sanitary tissues. H. L. Elfner. 2,451,281, Oct. 12.
- Retainer, Ball joint. J. E. Lucas. 2,444,658, July 6.
- Retainer, Finish material. M. C. Weaver and R. W. Hall. 2,435,523, Feb. 3.
- Retainer, Flask. A. M. Ashman. 2,442,885, June 8.
- Retainer for hand trucks, Load. J. T. Frederick. 2,453,427, Nov. 9.
- Retainer for mop wringer plates. E. F. Lux. 2,442,467, June 1.
- Retainer for pneumatic hammers, Chisel. W. H. Peck. 2,453,536, Nov. 9.
- Retainer, Key. G. L. Adair. 2,442,479, June 1.
- Retainer, Key. K. B. French. 2,448,909, Sept. 7.
- Retainer, Magnetic. C. W. Warren. 2,457,421, Dec. 28.
- Retainer, Matrix. D. Reiter. 2,453,541, Nov. 9.
- Retainer strip. M. J. Reilly. 2,453,343, Nov. 9.
- Retainer, Tool. P. M. Mueller. 2,440,908, May 4.
- Retaining device for pivotal joints, Safety. G. F. Reed and W. H. Gould. 2,456,793, Dec. 21.
- Retaining expansible lasts. J. S. Kamborian. 2,438,921, Apr. 6.
- Retaining means for golf club bags, Club head. R. L. Corbett. 2,436,687, Feb. 24.
- Retaining ring. F. D. Frisby. 2,450,425, Oct. 5.
- Retarder, Railway car. J. A. Bodkin. 2,452,720, Nov. 2.
- Retarder, Thermal. C. M. Osterheld. 2,456,142, Dec. 14.
- Reticule. N. B. Mears and H. T. Holsapple. 2,437,228, Mar. 2.
- Reticulated structure and making the same. A. Talalay. 2,455,534, Dec. 7.
- Retinoscope for determining refractive errors of the eye. M. Di Bonaventura. 2,448,140, Aug. 31.
- Retort door. F. T. Jenkins. 2,447,464, Aug. 17.
- Retort for distillation furnaces. H. C. Schweitzer. 2,447,369, Aug. 17.
- Retracting type theater chair. M. K. Orton. 2,439,370, Apr. 6.
- Retractor, Adjustable. M. A. Glaser. 2,450,194, Sept. 28.
- Retreading device, Tire. H. V. James. 2,456,063, Dec. 14.
- Retouching frame. P. Schmadlewsky. 2,455,096, Nov. 30.
- Retriever, Duck. G. W. Erickson. 2,444,597, July 6.
- Retriever, Golf ball. R. C. Williams. 2,448,644, Sept. 7.
- Retrieving apparatus. R. Ring. 2,454,839, Nov. 30.
- Reverberatory furnace. W. F. Sklenar. 2,436,124, Feb. 17.
- Reverse brake. W. K. Creson. 2,444,592, July 6.
- Reverse brake. F. H. Davis, O. C. Emerson, and P. A. Newman. 2,447,167, Aug. 17.
- Reverse flow by-pass valve. N. Plank. 2,456,566, Dec. 14.
- Reverse flow cleaner. G. H. Crammer. 2,444,809, July 6.
- Reverse gear. F. W. Harris. 2,455,481, Dec. 7.
- Reversible clutching mechanism. A. H. Jessen. 2,438,214, Mar. 23.
- Reversible flow centrifugal pump. C. W. Rubison. 2,442,512, June 1.
- Reversible motor. B. F. Johnson. 2,443,459, June 15.
- Reversible rack and pawl jack. A. Kais. 2,450,596, Oct. 5.
- Reversible seat. E. Buker. 2,446,906, Aug. 10.
- Reversible single-phase motor. O. C. Walley. 2,447,675, Aug. 24.
- Reversing control for capacitor motors. S. Noodleman. 2,442,208, May 25.
- Reversing gear. G. Barrett. 2,455,547, Dec. 7.
- Reversing gear. K. Froehlich and E. Grieshaber. 2,434,647, Jan. 20.
- Reversing mechanism. F. H. Stolp. 2,441,854, May 18.
- Reversing mechanism for looms. C. R. Kronoff and V. F. Sepavich. 2,452,380, Oct. 26.
- Reweaving machine. M. T. Deal. 2,449,691, Sept. 21.
- Rheostat. D. F. Hastings. 2,446,417, Aug. 3.
- Rheostat control, Water. V. Chadwick and O. I. E. Hallberg. 2,457,124, Dec. 28.
- Rheostat, Liquid. J. K. Ostrander. 2,447,087, Aug. 17.
- Rheostat, Multiple element. J. K. Sellers. 2,453,462, Nov. 9.
- Rheostat, Pressure operated. F. G. Kelly. 2,443,252, June 15.
- Rheostat, Thermostat operated. A. D. Cole. 2,442,072, May 25.
- Rheostat with rectilinear slide. F. P. Strother. 2,457,095, Dec. 21.
- Ribbon burner. J. H. Flynn and W. B. Ensign. 2,443,101, June 8.
- Ribbon burner. S. H. Gunderman. 2,435,391, Feb. 3.
- Ribbon threading mechanism. L. Lorenz-Risler. 2,438,063, Mar. 16.
- Riboflavin by fermentation processes, Production of. H. L. Pollard, N. E. Rodgers, and R. E. Meade. 2,449,141, Sept. 14.
- Riboflavin solution. M. F. Furter and M. Hoffer. 2,438,880, Mar. 30.
- Riboflavin solution. A. E. Knauf and F. J. Kirchmeyer. 2,440,050, Apr. 20.
- Riboflavin solutions. S. D. Upham. 2,449,041, Sept. 7.
- Riboflavin, Solutions of. J. Charney. 2,445,208, July 13.
- Ribonolactone, Making. L. A. Flexner. 2,438,883, Mar. 30.
- Ribonolactone, Recovery of. L. H. Sternbach. 2,438,882, Mar. 30.
- Ribs for welt-type insoles, Forming sewing. V. A. Sherbrook. 2,435,163, Jan. 27.
- Ricer, Potato. J. D. Pacotto. 2,455,267, Nov. 30.
- Rider propelled vehicle. C. Cummins. 2,444,980, July 13.
- Ridge blocker, Irrigation. K. D. Priestley. 2,456,083, Dec. 14.
- Rife, Gas operated automatic. A. V. Ljutic. 2,456,290, Dec. 14.
- Rifling band. E. T. McBride. 2,442,369, June 1.
- Rig, Conveying. W. E. Lambert. 2,452,970, Mar. 2.
- Rig, Drill. F. D. Elford. 2,440,852, May 4.
- Rig, Fishing. R. P. Caruso. 2,456,254, Dec. 14.
- Rigging, Clasp brake. E. G. Mueller. 2,446,659, Aug. 10.
- Rigging insulation installation. T. Moore. 2,445,798, July 27.

- Rigging, Tractor-mounted buzz-saw. J. L. Westmoreland. 2,440,422, Apr. 27.
 Rim. C. W. Sinclair. 2,434,180, Jan. 6.
 Rim and tire separating device, Axially shifting hydraulic. S. H. Garey. 2,449,289, Sept. 14.
 Ring: *See*—
 Barrel closing ring. Packing ring.
 Compressor piston ring. Piston ring.
 Film spool guide ring. Powder box having sealed ring.
 Grooved slip ring. Retaining ring.
 Hairdressing ring. Sealing ring.
 Hydraulic control oil ring. Self-lubricating, spinning ring.
 Inner piston ring. Spinning ring.
 Jar ring. Wheel trim ring.
 Key ring.
 Lens mount locking ring.
 Ring. C. E. Marshall. 2,450,762, Oct. 5.
 Ring and disc assembly apparatus. J. R. Fleisch. 2,441,876, May 18.
 Ring and traveler for twister frames. J. R. Mulholland. 2,448,150, Aug. 31.
 Ring ensemble, Engagement and wedding. L. Granat. 2,439,727, Apr. 13.
 Ring for adjustable toolholders, Centering. A. F. Koch. 2,435,396, Feb. 3.
 Ring for earphones, Noise insulating. J. E. Valentine. 2,447,470, Aug. 17.
 Ring grinding machine. J. H. Riedling. 2,437,002, Mar. 2.
 Ring lock, cutter chain structure. C. J. Forbes. 2,453,898, Nov. 16.
 Ring machine, Venturi. B. C. Crandall. 2,449,881, Sept. 21.
 Ring sealed joint. H. E. Thornhill. 2,454,356, Nov. 23.
 Ring spinning frame. H. S. Adams. 2,449,267, Sept. 14.
 Ring winding machine. O. Wirth. 2,444,126, June 29.
 Ring with spring means for connecting the same, Barrel and breech. M. Wernli. 2,450,064, Sept. 28.
 Ringer circuit. O. A. Shann. 2,455,386, Dec. 7.
 Rink, Ice skating. R. J. Yocum. 2,457,619, Dec. 28.
 Rinsing, drying, and canning rack. S. N. Ramsdell. 2,442,709, June 1.
 Riparian structure, Convertible. V. M. Cruikshank. 2,434,457, Jan. 13.
 Riser. J. J. Josephs. 2,445,619, July 20.
 River banks, Protecting. H. N. Anderson. 2,435,568, Feb. 10.
 Rivet. P. Kubicki. 2,435,144, Jan. 27.
 Rivet. A. J. Lautmann. 2,438,976, Apr. 6.
 Rivet buckler tool. D. N. Goldberg. 2,436,295, Feb. 17.
 Rivet, Expandable. C. T. Torresen. 2,436,185, Feb. 17.
 Rivet feeding device. W. R. Kovacs. 2,435,142, Jan. 27.
 Rivet for pressural upsetting, method of upsetting, and resulting joint, Hollow. G. D. Rechten. 2,451,356, Oct. 12.
 Rivet inserting tool. L. Frank. 2,445,026, July 13.
 Rivet set retainer spring. A. W. Barry. 2,445,551, July 20.
 Rivet sorting machine. A. N. Andrews. 2,446,320, Aug. 3.
 Rivet stem puller and cutter. L. P. Mellerio and B. P. Cooper. 2,447,589, Aug. 24.
 Riveter, Automatic multiple. W. Johndrew. 2,456,125, Dec. 14.
 Riveter, Hand. W. E. Melick. 2,446,713, Aug. 10.
 Riveting machine. W. Johndrew. 2,456,127, Dec. 14.
 Riveting machine. A. F. Koehler. 2,435,652, Feb. 10.
 Riveting machine. E. F. Tuttle. 2,439,323, Apr. 6.
 Riveting machine, Portable. C. A. Dawson. 2,454,596, Nov. 23.
 Roadbeds, Stabilizing. W. J. Kelley. 2,452,196, Oct. 26.
 Road center joint. R. R. Robertson. 2,444,373, June 29.
 Road joint. R. R. Robertson. 2,441,903, May 18.
 Road map holder, including a rotatable roller. L. J. De Muth. 2,454,139, Nov. 16.
 Road roller frame protecting motors and radiators from dust. C. F. Greiner. 2,442,563, June 1.
 Roaster. A. F. Rommel. 2,450,563, Oct. 5.
 Robe, Carriage. O. Kovary. 2,434,213, Jan. 6.
 Robe, Crib. B. A. Friedman. 2,443,102, June 8.
 Rochelle salt resonator. B. Matthias. 2,444,998, July 13.
 Rockable shelf bracket. F. W. Odin. 2,453,254, Nov. 9.
 Rocker arm, Engine. J. M. Leake. 2,450,556, Oct. 5.
 Rocket. C. D., A. J., and C. Schermuly. 2,437,211, Mar. 2.
 Rocket. C. D., A. J., and C. Schermuly. 2,446,110, July 27.
 Rocket. E. P. Wells. 2,455,845, Dec. 7.
 Rocket and the like. C. D., A. J., and C. Schermuly. 2,451,981, Oct. 19.
 Rocket charge suspension arrangement. L. A. Skinner. 2,446,560, Aug. 10.
 Rocket device. J. O. Beattie. 2,442,528, June 1.
 Rocket projectile. C. N. Hickman. 2,440,271, Apr. 27.
 Rocket projector. E. G. Uhl and L. A. Skinner. 2,451,522, Oct. 19.
 Rocking horse. E. U. Pugh. 2,448,390, Aug. 31.
 Rocking horse. W. J. Stenzel. 2,434,058, Jan. 6.
 Rocking inner-jaw end wrench. J. H. Beard. 2,447,835, Aug. 24.
 Rocky Mountain spotted fever diagnostic antigen and preparation of the same. J. Vanderscheer and E. H. Hull. 2,439,229, Apr. 6.
 Rod: *See*—
 Antiparaffin sucker rod. Prestressed sucker rod.
 Coated welding rod. Push rod.
 Curling rod. Sheet metal curtain rod.
 Flexible connecting rod. Telescopic fishing rod.
 Gas welding rod. True-motion connecting rod.
 Handle assembly casting rod. Welding rod.
 One-piece sucker rod. Wrought gray iron welding rod.
 Piston and connecting rod.
 Rod actuating mechanism, Loom protector. C. H. Callahan and W. Languirand. 2,448,250, Aug. 31.
 Rod and piston, Cooling. A. S. Robinson and H. W. Wills. 2,442,438, June 1.
 Rod assembly for internal-combustion engines, Connecting. T. G. Carrie. 2,448,079, Aug. 31.
 Rod bender. P. L. Perazzo. 2,456,532, Dec. 14.
 Rod clamp tool. B. F. Burner. 2,455,557, Dec. 7.
 Rod clip. R. M. Albert. 2,449,830, Sept. 21.
 Rod guide, Sucker. J. W. Gillespie. 2,436,994, Mar. 2.
 Rod suspension for tandem axle vehicles, Resilient torsion. L. R. Buckendale. 2,435,199, Feb. 3.
 Rodless pump. R. C. Ferguson. 2,453,365, Nov. 9.
 Rods, Straightening. A. J. Trudeau. 2,438,240, Mar. 23.
 Rodent trap. J. J. Mitchell. 2,433,919, Jan. 6.
 Roentgenographic inspection, Method of and apparatus for. J. J. Moynihan. 2,437,472, Mar. 9.
 Roentgenological method and apparatus. G. W. Files. 2,435,823, Feb. 10.
 Roll: *See*—
 Loom temple roll.
 Roll, Abrasive. A. E. Hamilton. 2,448,884, Sept. 7.
 Roll adjusting mechanism. F. R. Whitcomb. 2,452,976, Nov. 2.
 Roll assembly, Lumber. H. C. Holmes. 2,451,620, Oct. 19.
 Roll, Card feed. H. M. Bacon. 2,442,333, June 1.
 Roll clearer for textile machines, Bottom. W. F. Lee. 2,446,839, Aug. 10.
 Roll, Conductor. E. R. Muddiman and W. E. Winterhalter. 2,439,858, Apr. 20.
 Roll feed. F. Koch. 2,451,833, Oct. 19.
 Roll for drying continuous filaments, Microporous. J. G. Wiegierink. 2,436,028, Feb. 17.
 Roll for ironers. J. B. Sando. 2,436,530, Feb. 24.
 Roll former, Fiber. T. C. Taggart. 2,447,604, Aug. 24.
 Roll, Receiving. M. W. Heiss. 2,442,127, May 25.
 Roll, Ring. L. D. Clark. 2,446,211, Aug. 3.
 Roll stabilizer for taking up play in bearings of roll mills. W. Fincher. 2,437,733, Mar. 16.
 Roll stripping mechanism. L. A. Hawthorne. 2,450,957, Oct. 12.
 Roller. G. W. Hutchinson. 2,440,585, Apr. 27.
 Roller bearing and cage, Taper. D. McNicoll. 2,435,839, Feb. 10.
 Roller bearings and lock rings therefor, Assembling. G. F. Johnson. 2,449,944, Sept. 21.
 Roller, Dampening. A. C. Schulz. 2,437,050, Mar. 2.
 Roller exercising machine. F. R. Mattison. 2,438,249, Mar. 23.
 Roller guide, Two-way. W. F. Eckert. 2,444,432, July 6.
 Roller, Hair. C. S. Hirsch. 2,435,275, Feb. 3.
 Roller, Husking. A. D. Becker. 2,444,088, June 29.
 Roller mill with adjustably and yieldably mounted roller, Belt driven. W. P. Blake. 2,457,632, Dec. 28.
 Roller, Packing. W. H. Lewis. 2,436,757, Feb. 24.
 Roller, Pipe. J. F. Kimmey. 2,444,353, June 29.
 Roller stand for spinning and preparing machines. J. Noguera. 2,446,021, July 27.
 Roller, Top spinning. J. Rockoff. 2,437,362, Mar. 9.
 Roller, Tube. J. J. Begley. 2,440,536, Apr. 27.
 Roller wheel. C. Wolf and N. M. Foulds. 2,457,424, Dec. 28.
 Roller, Window shade. H. S. Peed. 2,445,452, July 20.
 Rollers, Onion grading. R. D. Sheppard. 2,454,015, Nov. 16.
 Rolling baking dough. J. Buecheke. 2,456,372, Dec. 14.
 Rolling hatch beam assembly. J. G. Deegan. 2,438,846, Mar. 30.
 Rolling machine. F. M. Kratoch and F. M. Cunningham. 2,439,170, Apr. 6.
 Rolling machine, Sheet metal. A. L. Groves. 2,450,041, Sept. 28.
 Rolling of thin gauged material. G. Gage and D. Hughes. 2,434,558, Jan. 13.
 Rolling pin. W. McDowell. 2,451,170, Oct. 12.
 Roof. B. J. Mitchell. 2,439,095, Apr. 6.
 Roof and wall structure. A. Elmenndorf. 2,452,640, Nov. 2.
 Roof construction. J. F. Blaski. 2,436,543, Feb. 24.
 Roof covering. I. P. Whitehouse. 2,434,185, Jan. 6.
 Roof for railway freight cars. T. Despotakis. 2,453,307, Nov. 9.
 Roof for tanks, Floating. F. L. Plummer. 2,437,125, Mar. 2.
 Roof for vehicles, Sliding. H. Mobbs and G. H. Smith. 2,434,711, Jan. 20.
 Roof, Lifter. J. W. Allen. 2,436,348, Feb. 17.
 Roof, Lifter. H. C. Boardman. 2,437,238, Mar. 9.
 Roof stabilizer, Movable. W. G. Laird. 2,436,580, Feb. 24.
 Roof structure. A. Shaw. 2,449,330, Sept. 14.
 Roof structure. I. P. Whitehouse. 2,438,099, Mar. 16.
 Roof tank and piping therefor, Floating. W. G. Laird. 2,450,758, Oct. 5.

- Roof truss. S. Macomber. 2,457,056, Dec. 21.
 Roofing construction. J. H. Goodwin. 2,447,065, Aug. 17.
 Root canal treatment, Method and apparatus for. W. N. Van Zile. 2,436,623, Feb. 24.
 Root harvester and steering means therefor. W. E. Nicholoy. 2,436,594, Feb. 24.
 Root mean square voltage measuring circuit. G. H. Brown and W. C. Morrison. 2,440,004, Apr. 20.
 Rope. S. A. Reed. 2,438,864, Mar. 30.
 Rope or wire tightener. E. A. England. 2,451,933, Oct. 19.
 Rope tension measuring device. D. D. Symmes. 2,436,459, Feb. 24.
 Rosin, Decolorizing gum. W. B. Logan. 2,440,204, Apr. 20.
 Rosin derivatives. A. L. Rummelsburg. 2,437,481, Mar. 9.
 Rosin modified with organic acids and making same, Esterified. L. Auer. 2,440,242, Apr. 27.
 Rosin-polyhydric alcohol esters and making same, Reaction product of. J. B. Rust and W. B. Canfield. 2,447,367, Aug. 17.
 Rosin, Polymerization of. B. L. Hampton. 2,454,795-6, Nov. 30.
 Rosin, Purifying modified. I. W. Humphrey. 2,434,656, Jan. 20.
 Rosin, Treatment of. A. W. Hixson and R. Miller. 2,439,807, Apr. 20.
 Rotameter and metering tube therefor. K. Fischer. 2,441,350, May 11.
 Rotary abrading device. W. W. Wickman. 2,452,409, Oct. 26.
 Rotary airplane mount and synchronized wing adjustment. C. Hameseder. 2,447,247, Aug. 17.
 Rotary alternating pistons pump. F. J. Sales. 2,453,271, Nov. 9.
 Rotary and sliding ball bearing. T. F. Schlicksupp. 2,451,359, Oct. 12.
 Rotary brush type converter. G. A. Reinhard. 2,434,520, Jan. 13.
 Rotary cathode. J. H. Schreiber. 2,437,129, Mar. 2.
 Rotary cutter. S. C. Nelson. 2,447,617, Aug. 24.
 Rotary cutter. C. C. Rutbell. 2,456,842, Dec. 21.
 Rotary cylinder pump. S. O. Stageberg. 2,444,234, June 29.
 Rotary drill. C. J. Esseling. 2,434,104, Jan. 6.
 Rotary drum filter. A. L. Burleson. 2,454,134, Nov. 16.
 Rotary engine. J. Jolly. 2,445,222, July 13.
 Rotary filter. G. D. Dickey. 2,455,409, Dec. 7.
 Rotary flexible vane pump. E. C. Rumsey. 2,455,194, Nov. 30.
 Rotary fluid meter. C. P. Bergman. 2,449,974, Sept. 23.
 Rotary fuel distributing valve. G. L. Nies. 2,447,423, Aug. 17.
 Rotary gear pump. R. J. S. Pigott and F. E. Fleischer. 2,445,967, July 27.
 Rotary grinder with stationary perforated plate. G. M. Richard. 2,445,037, July 13.
 Rotary high-frequency switching circuit. N. Marchand. 2,445,793, July 27.
 Rotary hook. G. R. Wainwright. 2,452,167, Oct. 26.
 Rotary hydraulic torque converter. J. Jandasek. 2,440,825, May 4.
 Rotary impact screw driver, Hand operated. H. F. Craven. 2,450,185, Sept. 28.
 Rotary intaglio printing press. W. M. Pollock. 2,447,090, Aug. 17.
 Rotary lock box. P. A. Derham. 2,452,230, Oct. 26.
 Rotary locking screw plug. W. J. Sherman, Sr. 2,457,184, Dec. 28.
 Rotary magazine for toy guns. E. L. Drumheller. 2,437,728, Mar. 16.
 Rotary operated reciprocating switch. J. H. Horman. 2,441,634, May 18.
 Rotary printing press. C. S. Crafts. 2,439,454, Apr. 13.
 Rotary printing press. H. J. Luehrs. 2,435,791, Feb. 10.
 Rotary pump. V. D. Barker. 2,451,603, Oct. 19.
 Rotary pump. E. L. Grate. 2,455,303, Nov. 30.
 Rotary pump. S. Scognamiglio. 2,443,994, June 22.
 Rotary pump or rotary compressor. A. K. G. B. Törnborg. 2,453,284, Nov. 9.
 Rotary reaction motor. W. F. Mayer. 2,445,856, July 27.
 Rotary reflector. E. P. Arpin, Jr. 2,451,708, Oct. 19.
 Rotary selector switch. G. E. Gray. 2,436,750, Feb. 24.
 Rotary shaft construction. E. B. Hudson. 2,437,820, Mar. 16.
 Rotary shaft coupling. C. W. Hawthorne. 2,446,133, July 27.
 Rotary sliding vane pump structure. A. L. Stamsvik. 2,436,876, Mar. 2.
 Rotary switch. R. R. Simpson. 2,447,718, Aug. 24.
 Rotary tap switch. R. A. K. Fleischmann. 2,452,916, Nov. 2.
 Rotary tiller tooth and mounting. R. A. Kropp. 2,438,707, Mar. 30.
 Rotary tool for beading-over cylindrical flanges. T. C. Korsmo. 2,445,357, July 20.
 Rotary turbine-type hydraulic coupling. N. C. Price. 2,448,824, Sept. 7.
 Rotary type can opener. R. E. McLean. 2,452,781, Nov. 2.
 Rotary type shiftable fastener. W. I. Jones. 2,439,975, Apr. 20.
 Rotary valve actuating device. W. R. Tucker. 2,443,333, June 15.
 Rotary valve for internal-combustion engines. J. C. and M. A. de la Riestra, and W. F. Nixon. 2,444,696, July 6.
 Rotary valve for internal-combustion engines. E. G. Grubbs. 2,439,540, Apr. 13.
 Rotary valve mounting. E. G. Baker. 2,437,181, Mar. 2.
 Rotary vane pump. G. A. Jones. 2,452,471, Oct. 26.
 Rotary switch. D. P. Mossman. 2,433,920, Jan. 6.
 Rotatable electrical device. L. W. Wightman. 2,447,383, Aug. 17.
 Rotatable separable fastener. W. Shippee. 2,454,223, Nov. 16.
 Rotatably adjustable pipe joint. C. H. Stewart. 2,438,234, Mar. 23.
 Rotating bands from projectiles, Method and device for removing. 2,449,979, Sept. 28.
 Rotative winged aircraft, Take-off system for. H. F. Pitcairn. 2,440,758, May 4.
 Rotator for telewriters, Magnetic. W. A. Lauder and E. F. Cahoon. 2,442,853, June 8.
 Rotor assembly for cylinder grinding machines, Flexible multibladed. A. Rebman. 2,454,406, Nov. 23.
 Rotor, Centrifugal blower. L. J. Wolfe. 2,443,411, June 15.
 Rotor construction for comminuting and mixing machines. H. H. Wagner and E. G. Magnus. 2,448,849, Sept. 7.
 Rotor equipped aerial device. H. S. Campbell. 2,440,294, Apr. 27.
 Rotor equipped aerial device. J. P. Perry. 2,440,296, Apr. 27.
 Rotor equipped aerial device. H. F. Pitcairn. 2,440,291, Apr. 27.
 Rotor equipped aerial device. H. F. Pitcairn and P. H. Stanley. 2,440,292, Apr. 27.
 Rotor equipped aerial device. P. H. Stanley. 2,440,293, Apr. 27.
 Rotor equipped aerial device. K. P. Synnestvedt. 2,440,295, Apr. 27.
 Rotor for asynchronous machines. H. Arnemo. 2,436,414, Feb. 24.
 Rotor for axial pole induction motors. L. E. Aske. 2,449,924, Sept. 21.
 Rotors for compressors and like machines, Construction of. R. C. McLeod and G. B. R. Feilden. 2,452,782, Nov. 2.
 Rotor for electric motors and making the same. T. R. Wieseman. 2,454,955, Nov. 30.
 Rotor for synchronous electric motors. J. Rose. 2,437,922, Mar. 16.
 Rotor for ultracentrifuge machines. J. Grebmeier. 2,447,330, Aug. 17.
 Rotor for vibrator units. W. P. Day. 2,438,206, Mar. 23.
 Rotor, High-speed. H. P. McGee. 2,441,432, May 11.
 Rotor system for helicopters and control means therefor, Tilttable counter-rotating. I. B. Laskowitz. 2,434,276, Jan. 13.
 Rotor, Turbine. J. F. Cunningham, Jr. 2,440,933, May 4.
 Rotor, Turbine. N. C. Price and H. A. Greenwood. 2,448,825, Sept. 7.
 Rotor, Turbine. J. A. Senn. 2,442,783, June 8.
 Rotors, Manufacturing bladed. R. H. Thielemann. 2,454,580, Nov. 23.
 Rotors, Method and apparatus for balancing. F. W. Meredith, E. B. Moss, and H. E. Whatley. 2,442,308, May 25.
 Rotors providing for tilting of axis and blade pitch regulations, Aircraft. P. H. Stanley. 2,444,070, June 29.
 Roughening machine. J. R. Oliver. 2,437,753, Mar. 16.
 Round straightener. J. B. Sutton. 2,455,391, Dec. 7.
 Roundabout. E. G. Chatelas. 2,434,486, Jan. 13.
 Roundabout, Occupant propelled. F. F. O'Toole. 2,447,203, Aug. 17.
 Roundabout, Passenger operated. R. E. Restall. 2,456,648, Dec. 21.
 Rowboat shelter, Detachable. W. D. Ellsworth. 2,453,422, Nov. 9.
 Row-crop carryall. E. H. and R. A. Spiegl. 2,453,348, Nov. 9.
 Rubber, Accelerating vulcanization of. R. B. Seymour. 2,455,528, Dec. 7.
 Rubber cements, Chlorinated. B. S. Garvey. 2,443,678, June 22.
 Rubber coated steel object. O. E. Adler. 2,435,191, Feb. 3.
 Rubber composition. P. E. Rollhaus. 2,436,332, Feb. 17.
 Rubber compositions containing octadecane nitrile. J. H. Kelly, Jr. 2,437,538, Mar. 9.
 Rubber crumbs, Preparation of. G. W. Blair. 2,446,075, July 27.
 Rubber cushioning device. N. Sluyter. 2,443,201, June 15.
 Rubber dispersions, Aqueous. A. R. Davis. 2,445,740, July 20.
 Rubber dispersions, Stabilized aqueous. M. R. Buffington. 2,442,341, June 1.
 Rubber extenders, Making. L. Auer. 2,437,925, Mar. 16.
 Rubber from goldenrod leaves, Obtaining. N. Porges, E. F. Pollard, and J. J. Spadaro. 2,453,858, Nov. 16.
 Rubber from guayule shrub, Recovering. E. P. Jones. 2,434,412, Jan. 13.
 Rubber in plants by fermenting with clostridium, Recovery of. J. Naghski, J. W. White, Jr., and S. R. Hoover. 2,440,554, Apr. 27.
 Rubber joint for couplings and the like and making the same, Bonded. J. D. Worley. 2,444,904, July 6.

- Rubber latices, Creaming of synthetic. J. S. Rumbold. 2,446,107, July 27.
- Rubberlike materials, Manufacture of. C. A. Curtis and D. S. Stephens. 2,454,635, Nov. 23.
- Rubberlike product and preparation. W. C. Ault and B. B. Schaeffer. 2,452,092, Oct. 26.
- Rubber mounting. G. H. Kaemmerling. 2,453,991, Nov. 16.
- Rubber plasticized with a composition composed essentially of an aromatic hydrocarbon oil, Synthetic. F. W. Corkery. 2,449,928, Sept. 21.
- Rubber, Preservation of. F. B. Downing and C. J. Pederesen. 2,442,200, May 25.
- Rubber spring. R. W. Brown. 2,445,723, July 20.
- Rubber, The production of hard. R. A. Kirby. 2,449,390, Sept. 14.
- Rubber, Treatment of. W. Scott. 2,456,154, Dec. 14.
- Rubber wheel. J. B. Bennett and J. J. McCarter. 2,448,248, Aug. 31.
- Rubber with dioxanthic sulfides, Vulcanizing synthetic. D. J. Beaver. 2,453,689, Nov. 16.
- Rubber, Working. S. Bolling. 2,450,575, Oct. 5.
- Rubbery butyl gum-dimethyl polysiloxane gum composition. M. M. Safford. 2,442,059, May 25.
- Rubbery diolefin polymers containing processing aids. W. H. Sharkey. 2,449,418, Sept. 14.
- Rubbery materials, Compounding. F. S. Rostler and H. I. du Pont. 2,440,299, Apr. 27.
- Rubbing and polishing machine, Automatic. C. M. Herz. 2,441,701, May 18.
- Rudder assembly. T. Sprague, IV. 2,452,334, Oct. 26.
- Rudder machine for automatic pilots. G. Wünsch, B. Weinkauff, W. Sadowski, and H. Kobischke. 2,438,957, Apr. 6.
- Rug machine, Hooked. J. H. Shay. 2,442,906, June 8.
- Rugs, carpets, and the like, Production of. G. Michaelis. 2,443,358, June 15.
- Rule and compass, Combination. L. J. Gordon. 2,438,337, Mar. 23.
- Rule, Disc slide. G. F. Wittgenstein. 2,435,705, Feb. 10.
- Rule, Set shift parallel. D. T. E. Fielding. 2,439,291, Apr. 6.
- Rule, Slide. O. E. Batori. 2,437,722, Mar. 16.
- Rule, Slide. G. W. Sammons. 2,439,025, Apr. 6.
- Rule, Slide indicator. W. C. Chowns. 2,456,676, Dec. 21.
- Rule, Statistical slide. K. R. Wood. 2,434,306, Jan. 13.
- Rule, Tape. R. C. Nicholson and N. H. Schneider. 2,446,020, July 27.
- Ruler and making the same, Parallel. J. Nash. 2,439,346, Apr. 6.
- Ruler, Parallel. J. Lachmund. 2,437,469, Mar. 9.
- Ruling machine, Consecutive. H. Edelmann. 2,451,931, Oct. 19.
- Rust preventing properties of lubricants, Determining the. C. H. Van Hartesveldt. 2,451,592, Oct. 19.
- Rust-preventive composition. J. W. Bishop. 2,442,581, June 1.
- Rust preventive composition. H. D. Kluge and J. A. Patterson. 2,452,321, Oct. 26.
- Rust-preventive hydrocarbon compositions. G. H. von Fuchs and N. B. Wilson. 2,442,672, June 1.
- Rust preventive lubricating oil compositions. G. W. Duncan. 2,434,490, Jan. 13.
- Rutin, Extraction of. R. K. Eskew. 2,448,175, Aug. 31.
- Rutin, Extraction of. H. F. Koonos. 2,450,555, Oct. 5.
- Rutin with methyl glucamine, Solubilization of. M. B. Plungian. 2,451,772, Oct. 19.
- S-(amido)methyl-dimercaptopropanols. F. K. Signaigo. 2,449,332, Sept. 14.
- SO₂ by burning sulfur, Forming. W. T. Grace and J. C. Muller, Jr. 2,445,112, July 13.
- Saccharifying plant materials. J. W. Dunning and E. C. Lathrop. 2,450,586, Oct. 5.
- Sack, Cotton picker's. M. A. Walker. 2,445,650, July 20.
- Sack, Fruit picker's. C. G. Miller. 2,438,860, Mar. 30.
- Sack holder. W. H. Backs. 2,452,826, Nov. 2.
- Sack holder. L. Byers. 2,455,729, Dec. 7.
- Sack holding frame. R. L. Hightower. 2,451,829, Oct. 19.
- Saddle, Adjustable cycle. C. A. Jones. 2,446,933, Aug. 10.
- Sadiron holder. M. M. Holliday. 2,438,054, Mar. 16.
- Safety failure measuring and controlling apparatus. R. F. Wild. 2,457,791, Dec. 28.
- Safeguard device for razor blades. A. C. D. de Tuesta. 2,443,495, June 15.
- Safe having a revolvable inner casing, Tabernacle. E. F. Halter. 2,436,569, Feb. 24.
- Safelight filter. L. E. Bliss. 2,450,746, Oct. 5.
- Safe, Tumblerless. H. C. Whittall. 2,446,732, Aug. 10.
- Safety and sound-producing device for radiators, Combined. J. A. Swindle. 2,455,533, Dec. 7.
- Safety attachment for billfolds. H. E. Stonebraker. 2,437,566, Mar. 9.
- Safety attachment for shoes. W. B. Henderson. 2,446,370, Aug. 3.
- Safety belting, Resilient. E. E. Miller. 2,443,191, June 15.
- Safety clip. H. D. Miller. 2,439,018, Apr. 6.
- Safety clutch. L. J. Weber. 2,443,213, June 15.
- Safety container. N. D. Hernández. 2,438,052, Mar. 16.
- Safety container for rockets. F. C. Eastman. 2,445,423, July 20.
- Safety control and ignition apparatus for gaseous fuel burners. M. J. Caparone. 2,443,892, June 22.
- Safety control apparatus for fuel burners. C. K. Strobel and S. J. Lakota. 2,448,475, Aug. 31.
- Safety control for fuel burners. C. K. Strobel. 2,445,841, July 27.
- Safety control system, Burner. J. Ottmar. 2,449,858, Sept. 21.
- Safety control system for burners. T. J. Mesh. 2,445,531, July 20.
- Safety control system for fuel burners. H. S. Jones. 2,435,940, Feb. 10.
- Safety control system for fuel burners. M. S. Unger. 2,449,185, Sept. 14.
- Safety device. E. Olson and S. M. Udale. 2,441,369, May 11.
- Safety device. W. E. Palmer. 2,434,009, Jan. 6.
- Safety device for amusement park rides. W. B. Schmidt. 2,435,471, Feb. 3.
- Safety device for breech loading guns. W. V. Goodhue and E. C. Gill. 2,457,222, Dec. 28.
- Safety device for dumping vehicles. S. J. Bruno. 2,440,325, Apr. 27.
- Safety device for firearms. L. P. Gaugler. 2,455,990, Dec. 14.
- Safety device for firearms. I. E. Syrjala. 2,451,003, Oct. 12.
- Safety device for flexible tubing. S. Guarnaschelli. 2,444,988, July 13.
- Safety device for fluid brakes. D. R. Herriott. 2,451,828, Oct. 19.
- Safety device for fluid supply lines. W. S. White. 2,449,573, Sept. 21.
- Safety device for fuel burners. V. Weber and R. F. Garner. 2,455,542, Dec. 7.
- Safety device for fuses. E. J. Fix. 2,441,569, May 18.
- Safety device for motorists. K. B. Liman. 2,449,784, Sept. 21.
- Safety device for rectifiers. H. A. W. Klinkhamer and E. Cassee. 2,451,095, Oct. 12.
- Safety device for rubber mills. J. E. Lodge. 2,450,760, Oct. 5.
- Safety device for time fuses, Bore. R. H. Whitehead. 2,453,682, Nov. 9.
- Safety device for tractor seats. L. A. Vesta. 2,444,387, June 29.
- Safety device, Sewing machine. A. R. Wood. 2,440,227, Apr. 20.
- Safety door lock. L. J. Fornwald. 2,453,505, Nov. 9.
- Safety eyeglass case. W. H. Mercer. 2,455,079, Nov. 30.
- Safety for a firearm hammer mechanism. E. G. Uhl. 2,442,386, June 1.
- Safety for firearms. A. W. Caldow. 2,453,683, Nov. 9.
- Safety for self-loading firearms. H. E. Eklund. 2,453,897, Nov. 16.
- Safety gas burner. G. B. Bellingier. 2,444,490, July 6.
- Safety joint. L. E. Edwards. 2,440,257, Apr. 27.
- Safety latch. C. A. Erickson. 2,447,001, Aug. 17.
- Safety latch. A. Shatkin. 2,443,934, June 22.
- Safety latch. A. Shatkin. 2,449,419, Sept. 14.
- Safety light. M. K. Brooks. 2,440,842, May 4.
- Safety lock. E. Bratschi. 2,436,628, Feb. 24.
- Safety means for receptacles. R. F. Hatala and A. Kimber. 2,439,132, Apr. 6.
- Safety oiling car journals. W. F. Eisensmith. 2,440,331, Apr. 27.
- Safety pin. M. E. Edwards. 2,456,820, Dec. 21.
- Safety plug-in electrical receptacle. H. F. Wittig. 2,446,971, Aug. 10.
- Safety razor and safety razor blade clamp. A. W. Brenninger. 2,447,310, Aug. 17.
- Safety shear-pin drive. F. H. and A. G. Nickle. 2,438,676, Mar. 30.
- Safety shield for tractor power take-offs. L. A. Hardy. 2,443,035, June 8.
- Safety shoe and making the same. H. G. McMurray. 2,438,016, Mar. 16.
- Safety shoes, Making. W. G. Greenan. 2,457,463, Dec. 28.
- Safety soap and washcloth hanger. L. L. Collins. 2,439,238, Apr. 6.
- Safety stand. W. C. Troendle. 2,449,024, Sept. 7.
- Safety suspenders, Extensible. R. S. Ashton. 2,452,538, Nov. 2.
- Safety thermal circuit-breaker. A. F. Jackson. 2,442,693, June 1.
- Safety valve. B. Baxter and S. M. Kandarian. 2,446,626, Aug. 10.
- Safety wheels for use on automobiles and trucks, Auxiliary. G. J. Dourte. 2,452,110, Oct. 26.
- Safety window lock. H. E. Bunden and V. A. Vicksell. 2,456,766, Dec. 21.
- Safety window seat. E. A. Favre. 2,451,670, Oct. 19.
- Sailboat. W. D. Pawley, Jr. 2,444,526, July 6.
- Salesman's folding sample case. R. A. Silene. 2,454,575, Nov. 23.
- Salicyloyl-beta alanide. H. Urist and G. J. Martin. 2,440,658, Apr. 27.
- Saliva key for trombones, Automatic. W. H. Maxwell. 2,446,378, Aug. 3.
- Salmon egg dispenser. S. E. Johnston. 2,443,861, June 22.
- Salt-and-pepper shaker, Combination. T. W. Ryther. 2,448,625, Sept. 7.
- Salt composition, Iodized. W. H. Engels. 2,452,641, Nov. 2.

- Salt deposition. O. L. Branson. 2,446,456, Aug. 3.
 Salt shaker. T. R. Duncan. 2,439,799, Apr. 20.
 Salts of acetylsalicylic acid, Preparation of stable medicinal. M. Coplans. 2,447,396, Aug. 17.
 Salts of alkyl phenol sulfides, Preparing. C. F. Van Gilder. 2,449,026, Sept. 7.
 Salts of alkylamine boric esters. H. H. Gilmann. 2,441,063, May 4.
 Salts of ascorbosalicylate, Preparing double. J. G. Freeman. 2,457,141, Dec. 28.
 Salts of dithiocarbamic acids. R. A. Mathes. 2,444,660, July 6.
 Salts of the lysergic and isolysergic acid derivatives and their preparation and isolation, Optically active. A. Stoll and A. Hofmann. 2,447,214, Aug. 17.
 Salts, Sulfonium. E. C. Britton and J. N. Hansen.
 Salvage apparatus. M. J. Sturtevant. 2,451,002, Oct. 12.
 Sampler for gas-liquid mixtures. R. J. S. Pigott and C. R. Taylor. 2,447,595, Aug. 24.
 Sampler, Milk. W. S. Campbell. 2,450,715, Oct. 5.
 Sampling system, Fluid. J. A. Pelletiere. 2,452,143, Oct. 26.
 Sand muller, including suspendable power-driven muller unit and underlying portable bowl receptacle, Portable molding. W. F. Piper and J. J. Soldat. 2,450,299, Sept. 28.
 Sand pump. J. J. Santiago. 2,449,720, Sept. 21.
 Sandal with adjustable front and rear straps. C. E. Ballenger. 2,451,372, Oct. 12.
 Sandblast appliance. A. B. Rucki. 2,443,148, June 8.
 2,442,339, June 1.
 Sandblasting machine. A. J. Porcelli. 2,438,943, Apr. 6.
 Sandblock for sharpening pencils, Mechanical. H. Turchen. 2,440,813, May 4.
 Sand cores, Manufacture of. R. Dainty. 2,439,563, Apr. 13.
 Sander. R. V. Bowen. 2,445,599, July 20.
 Sander, Heel. D. Bates. 2,435,642, Feb. 10.
 Sanding apparatus for vehicles, Roadway. M. C. Snyder. 2,435,758, Feb. 10.
 Sanding block. R. A. Hill. 2,446,134, July 27.
 Sanding block. J. C. Kitterman. 2,457,045, Dec. 21.
 Sanding block. J. Paul. 2,443,399, June 15.
 Sanding device. G. A. Larson. 2,446,183, Aug. 3.
 Sanding device. C. E. Rosemeyer. 2,438,977, Apr. 6.
 Sanding device. E. Tambini. 2,444,760, July 6.
 Sanding device, Automobile. C. F. Beam. 2,449,525, Sept. 14.
 Sanding device for motor vehicles. J. U. Richard. 2,437,788, Mar. 16.
 Sanding device for railway rolling stock. N. E. Gee. 2,437,384, Mar. 9.
 Sanding device for vehicles. F. J. Mason. 2,450,245, Sept. 28.
 Sanding disk, Demountable. M. Vass. 2,443,755, June 22.
 Sanding machine. F. Harris. 2,454,650, Nov. 23.
 Sanding machine. H. S. Newton. 2,452,205-6, Oct. 26.
 Sanding machine. L. L. Rothrock. 2,456,217, Dec. 14.
 Sanding machine, Edge. O. E. Hadwiger. 2,440,440, Apr. 27.
 Sanding or rubbing machine. A. C. Burleigh. 2,437,152, Mar. 2.
 Sanding tool. M. P. Glowacki. 2,448,178, Aug. 31.
 Sandpaper device, Interchangeable. W. Finkelstein. 2,434,356, Jan. 13.
 Sandpaper holder. E. G. Anderson. 2,446,625, Aug. 10.
 Sandpaper holder. M. D. Nissenbaum. 2,454,668, Nov. 23.
 Sandwich holder. R. Rossi. 2,444,116, June 29.
 Sanitary container for brushes. T. D. Kevin and P. B. Payne. 2,448,603, Sept. 7.
 Sanitary dental floss holder. J. E. Dembenski. 2,450,635, Oct. 5.
 Sanitary filter. D. R. Babbitt. 2,453,613, Nov. 9.
 Sanitary garbage can cover. H. Meyer. 2,442,705, June 1.
 Sanitary garment. J. G. Frieman. 2,450,789, Oct. 5.
 Sanitary napkin holder. J. A. Wald. 2,445,094, July 13.
 Sanitary napkin holding means. E. Carpenter. 2,452,181, Oct. 26.
 Sanitary napkin, Unitary. H. S. Croft. 2,438,039, Mar. 16.
 Sanitation hospitalization bed. R. R. Freund, J. M. Royal, and L. F. Schoelkopf. 2,443,905, June 22.
 Sash and screen, Combination storm. F. F. Beil. 2,433,835, Jan. 6.
 Sash hanger. E. F. Barber. 2,455,546, Dec. 7.
 Sash hardware. H. W. Valentine. 2,449,918, Sept. 21.
 Sash holder. A. Hakanson. 2,454,794, Nov. 30.
 Sash latch. L. H. Smith. 2,440,026, Apr. 20.
 Sash, Screened storm. L. O. Davis. 2,446,743, Aug. 10.
 Satin white, Treatment of. H. R. Rafton. 2,435,600, Feb. 10.
 Sauce preparation. H. Murata. 2,444,577, July 6.
 Savings bank, Fatten-the-pig. J. W. Kimball. 2,448,807, Sept. 7.
 Saw, Adjustable radial kerfing. A. Scianna. 2,455,097, Nov. 30.
 Saw attachment for tractors, Circular. C. B. Richey. 2,448,123, Aug. 31.
 Saw attachment for tractors, Tree-felling. J. S. Webb. 2,455,840, Dec. 7.
 Saw blade planishing machine. P. Senard. 2,438,460, Mar. 23.
 Saw, Bone. G. V. Carroll. 2,455,655, Dec. 7.
 Saw, Chain. A. W. Mall. 2,446,774, Aug. 10.
 Saw, Chain. R. C. Whitlock. 2,447,298, Aug. 17.
 Saw clamp. W. P. Johnson. 2,434,568, Jan. 13.
 Saw, Dentist's and surgeon's. R. A. Wydro. 2,435,863, Feb. 10.
 Saw filing device. A. Zapart. 2,441,786, May 18.
 Saw filing tool. J. W. Hall. 2,440,633, Apr. 27.
 Saw frame. A. H. Carlson. 2,436,743, Feb. 24.
 Saw gauge. E. J. Bartell. 2,455,464, Dec. 7.
 Saw, Hole-cutting. S. W. Hennessey, Jr. 2,444,099, June 29.
 Saw, Laterally-cutting rotary cylindrical. R. E. Adams. 2,437,669, Mar. 16.
 Saw machine, Adjustable tension chain. A. W. Mall. 2,444,138, June 29.
 Saw machine, Automatic band. C. B. Lansing. 2,455,423, Dec. 7.
 Saw machine, Chain. W. L. Gorden and A. W. Mall. 2,444,132, June 29.
 Saw, Masonry. N. C. Coates. 2,450,371, Sept. 28.
 Saw, Masonry. N. C. Coates. 2,455,113, Nov. 30.
 Saw, Power driven rotary cylindrical. R. E. Adams. 2,437,668, Mar. 16.
 Saw, Power operated tractor mounted tree felling. K. R. Ware. 2,457,511, Dec. 28.
 Saw reconditioning rig, Circular. A. B. Niefeld. 2,453,638, Nov. 9.
 Saw set. J. W. Melanson. 2,449,814, Sept. 21.
 Saw swingable in a horizontal plane and movable vertically, Portable power saw having a horizontal circular. P. McDonald. 2,441,431, May 11.
 Saw table. R. V. Anderson. 2,435,765, Feb. 10.
 Saw-tooth voltage generator. G. W. Downs, Jr. 2,453,787, Nov. 16.
 Saw-tooth wave generator. H. Branson. 2,444,330, June 29.
 Saw-tooth wave generator. R. Lee. 2,456,961, Dec. 21.
 Saw-tooth wave generator. D. E. Norgaard. 2,436,663, Feb. 24.
 Saw treating and grinding machine. S. A. Hall. 2,436,004, Feb. 17.
 Saw, Two-man portable power. G. A. West. 2,440,033, Apr. 20.
 Saw, Two-wheeled type log- and tree-cutting power. G. Arseneau. 2,435,192, Feb. 3.
 Saw with diamond abrasive teeth, Band. E. Van der Pyl. 2,442,153, May 25.
 Sawing apparatus, Hand. E. Zimmermann. 2,441,379, May 11.
 Sawing attachment for tractors, Log. A. D. Duncklee. 2,436,504, Feb. 24.
 Sawing attachment for tractors, Tree felling and log. S. E. Irwin, Jr. 2,439,607, Apr. 13.
 Sawing machine, Swiveling reciprocating-saw. C. Gaines. 2,453,899, Nov. 16.
 Sawmill, Log- and carriage-locking swinging-saw. E. Lambert. 2,438,610, Mar. 30.
 Saxophone key mounting. F. E. Comer. 2,455,232, Nov. 30.
 Scaffold. D. I. Weisz. 2,435,171, Jan. 27.
 Scaffold, Adjustable. R. A. Sundeen. 2,448,746, Sept. 7.
 Scaffold, Collapsible. F. Hartmann. 2,446,005, July 27.
 Scaffold for builders. J. Wahl. 2,444,122, June 29.
 Scaffold or staging, Adjustable. F. J. Hiers. 2,436,862, Mar. 2.
 Scaffold pole, Safety. H. H. Clark. 2,449,056, Sept. 14.
 Scaffold, Portable. L. K. Pennington. 2,445,453, July 20.
 Scaffold, Sectional. H. A. Harrison. 2,449,069, Sept. 14.
 Scaffold structure, Adjustable. P. A. Wyen. 2,446,972, Aug. 10.
 Scaffold support. P. Thomson. 2,435,060, Jan. 27.
 Scaffold, Swinging. R. J. Lackner. 2,435,969, Feb. 17.
 Scaffold, Swinging. R. J. Lackner. 2,436,813, Mar. 2.
 Scaffolding. A. H. Hawes. 2,446,924, Aug. 10.
 Scaffolding. W. A. Parker. 2,435,461, Feb. 3.
 Scaffolding and like structures. E. O'Sullivan. 2,452,487, Oct. 26.
 Scaffolding, Metal tubular. W. C. Jones and L. S. Richards. 2,446,372, Aug. 3.
 Scaffolding unit, Portable and collapsible. W. J. S. Johnson and T. H. Harvey. 2,438,173, Mar. 23.
 Scale, Computing. S. Colman. 2,445,022, July 13.
 Scald development on fruit, Reducing. H. A. Schomer. 2,450,615, Oct. 5.
 Scale, Hydraulic. V. J. and F. G. Huston. 2,452,124, Oct. 26.
 Scale, Hydraulic weighing. L. S. Williams. 2,439,533, Apr. 13.
 Scale mechanism, Hydraulic. R. A. Gifford. 2,457,655, Dec. 28.
 Scaler and scraper, Combination fish. S. H. Hay. 2,435,351, Feb. 3.
 Scales. C. M. Ware. 2,438,653, Mar. 30.
 Scales, Mounting for glass. M. D. Tyler. 2,441,215, May 11.
 Scaling device, Fish. J. F. Sawyer. 2,449,753, Sept. 21.
 Scaling during the forging of hollow metal articles, Preventing. W. J. Marencik. 2,436,931, Mar. 2.
 Scalp protector. R. A. Satrian. 2,452,265, Oct. 26.
 Scalping machine control apparatus. E. W. Mason. 2,437,829, Mar. 16.

- Scanning mechanism, Variable drum facsimile. W. G. H. Finch. 2,447,473, Aug. 17.
- Scanning receiver for detecting signals of unknown frequency. W. H. Bliss. 2,444,151, June 29.
- Scanning receiving system. W. H. Bliss. 2,442,583, June 1.
- Scanning reference generator. M. Skene and C. H. Guiles. 2,437,275, Mar. 9.
- Scanning unit. M. Alden. 2,457,113, Dec. 28.
- Scarfing machine. G. N. Albree. 2,454,114, Nov. 16.
- Scarifier, Reversible. R. B. Blackmore. 2,446,074, July 27.
- Scavenger roll mechanism. J. A. Kooistra. 2,438,290, Mar. 23.
- Scavenging for engines, Uniflow. E. O. P. Thege. 2,440,310, Apr. 27.
- Scavenging means for aircraft engines. R. M. Nardone. 2,447,912, Aug. 24.
- Schmidt type optical system with opaque diaphragm. P. M. Van Alphen. 2,449,345, Sept. 14.
- Scissors, Making. W. Hartkopf. 2,434,268, Jan. 13.
- Scoop and trip mechanism therefor. H. E. Hall. 2,446,827, Aug. 10.
- Scoop attachment for tractors. B. F. Arps. 2,443,884, June 22.
- Scoop board for vehicle boxes. C. B. Richey. 2,437,614, Mar. 9.
- Scoop control, Tractor-mounted. E. H. Lacey. 2,457,049, Dec. 21.
- Scoop, Ice-cream. G. N. Bolinger. 2,439,125, Apr. 6.
- Scoop, Power. R. G. Le Tourneau. 2,439,139, Apr. 6.
- Scoop, Tractor. F. M. Fraga. 2,449,212, Sept. 14.
- Scoping device, Wheeled. W. H. Ditzler. 2,450,721, Oct. 5.
- Scooter. J. C. Bancroft. 2,439,556, Apr. 13.
- Scoter for winter sports. F. Spitzwieser. 2,449,336, Sept. 14.
- Scoter, Motor. G. C. Fields. 2,454,046, Nov. 16.
- Scoter, Pedal. H. Cartmill. 2,436,199, Feb. 17.
- Scoring device consisting of incline ladder structure and folding standard therefor. D. E. Thompson. 2,440,129, Apr. 20.
- Scoring device for table tennis. H. H. Kucks. 2,455,422, Dec. 7.
- Scow, Dumping. L. R. Koenig. 2,444,299, June 29.
- Scraper. G. S. Allin. 2,445,053, July 13.
- Scraper. G. S. Allin. 2,447,455, Aug. 17.
- Scraper. B. F. Owen. 2,454,475, Nov. 23.
- Scraper, Alighting gear. A. P. Fall. 2,443,853, June 22.
- Scraper, Chimney. V. Fortin. 2,455,001, Nov. 30.
- Scraper, Foot. P. Staheli. 2,452,800, Nov. 2.
- Scraper for fountain blades. G. J. Kief. 2,435,009, Jan. 27.
- Scraper for grain drill disks. W. A. Hyland. 2,442,727, June 1.
- Scraper, grader, leveller, etc., Combined. K. Barker. 2,441,744, May 18.
- Scraper, Hauling. K. L. Brimhall. 2,445,260, July 13.
- Scraper, Meat. N. Gambino and N. LaRosa. 2,437,316, Mar. 9.
- Scraper, Paint and varnish. B. L. Johnson. 2,434,244, Jan. 13.
- Scraper, Paraffin. R. E. Meynig. 2,433,955, Jan. 6.
- Scraper, Pipe exchanger. T. E. Schley. 2,449,012, Sept. 7.
- Scraper, Power-operated. L. T. McGee. 2,451,294, Oct. 12.
- Scrapping implement. D. L. Strubble. 2,449,092, Sept. 14.
- Scrapping tool for meat blocks, Power actuated rotary. E. B. Hobson. 2,453,371, Nov. 9.
- Scratches in hollow poppet valve stems, Removal of annular. J. G. Sterling. 2,450,817, Oct. 5.
- Screeding and compacting machine for concrete slabs and the like. C. Jackson. 2,453,510, Nov. 9.
- Screen: See—
- Cathode-ray screen. Oil filter screen.
 - Cathode-ray tube screen. Paper pulp screen.
 - Dark trace screen. Phosphor screen.
 - De-watering screen. Power lawn mower with air filtering screen.
 - Disappearing automobile window screen. Protective screen.
 - Glare screen. Submerged reciprocating screen.
 - Gyrotary screen. V-opening screen.
 - Luminescent screen. Vibrating screen.
 - Metal screen. Wind screen.
 - Moving-picture projection screen. X-ray screen.
- Screen. I. Worthman. 2,445,164, July 13.
- Screen and developing light, Luminescent. H. W. Leverenz. 2,452,522, Oct. 26.
- Screen changer, Chronograph. D. Leming. 2,442,365, June 1.
- Screen clearing mechanism for grain and seed sizing machines. W. J. Peterson. 2,443,543, June 15.
- Screen control for motion picture projectors, Heat. H. N. Fairbanks. 2,441,313, May 11.
- Screen for casting risers. E. T. Myskowski and H. F. Taylor. 2,451,505, Oct. 19.
- Screen for gyrotary sifters, screens, or bolting equipment. P. Pickard. 2,455,383, Dec. 7.
- Screen for hammer mills and remote control therefor, Adjustable two layered. F. Boss and E. Nemec. 2,440,927, May 4.
- Screen for motor vehicles, Glare. L. A. Bell. 2,446,866, Aug. 10.
- Screen indicating changes in image formation, Luminescent. G. R. Fonda. 2,447,851, Aug. 24.
- Screen structure for rotary beater mills, Removable. R. W. Stevenson. 2,450,492, Oct. 5.
- Screen structure, Self-cleaning. R. O. Shadday. 2,454,259, Nov. 16.
- Screen supporting structure, Picture. J. T. Heck and L. J. Du Mais. 2,434,071, Jan. 6.
- Screen with rubber-covered cylindrical clamping means, Rod deck. R. C. Newhouse. 2,456,075, Dec. 14.
- Screened pump. R. H. Hopkins. 2,439,468, Apr. 13.
- Greener, Citrus juice. W. R. Ketchum. 2,439,543, Apr. 13.
- Screening and shredding apparatus, Combined wet. W. C. Laughlin. 2,446,772, Aug. 10.
- Screening means for vacuum electric tube devices. J. M. Dodds and J. H. Ludlow. 2,438,115, Mar. 23.
- Screens, Construction of tight. A. P. Jourdain. 2,442,605, June 1.
- Screens for the reception of projected images, Forming. R. O. Walker. 2,448,560, Sept. 7.
- Screens, Manufacture of mosaic. J. D. McGee. 2,455,513, Dec. 7.
- Screw and nut actuating mechanism. T. W. Vickers. 2,444,886, July 6.
- Screw and nut actuator, Antifriction. G. W. Jackson. 2,450,282, Sept. 28.
- Screw and nut bearing mechanism, Antifriction. H. S. Hoffer. 2,455,368, Dec. 7.
- Screw cover wrench. E. H. Matlocks. 2,448,815, Sept. 7.
- Screw driver. C. S. Blalock. 2,443,339, June 15.
- Screw driver. J. Majeski, Jr. 2,450,734, Oct. 5.
- Screw driver conditioner. G. E. Brulport. 2,439,839, Apr. 20.
- Screw driver having removable ratchet grip. E. G. Farson. 2,450,504, Oct. 5.
- Screw driver having two-part expanding bit. G. W. Barlow. 2,445,383, July 20.
- Screw driver, Illuminated. M. R. Henderson. 2,442,893, June 8.
- Screwdriver, Impact. J. C. McCorkhill. 2,448,995, Sept. 7.
- Screw driver, Screw holding. M. J. Sopcak. 2,451,696, Oct. 19.
- Screw fastening. E. G. Theurer. 2,455,885, Dec. 7.
- Screw lock for eyeglasses and the like. F. A. V. Gravinese and I. G. Failla. 2,445,172, July 13.
- Screw, Locking. E. R. Doonan. 2,448,213, Aug. 31.
- Screw, Self-locking. R. E. Thompson. 2,447,439, Aug. 17.
- Screw, Socket head. D. V. Stellin. 2,445,978, July 27.
- Screw thread gauge. L. F. Polk and W. F. Aller. 2,436,528, Feb. 24.
- Screw thread gauging device. W. C. Moore. 2,440,967, May 4.
- Screw-threaded mechanical movement. R. C. Russell. 2,446,393, Aug. 3.
- Screw-threaded pivoted closure. M. P. Wall. 2,435,913, Feb. 10.
- Screw threads, Forming. H. Y. Mageoch. 2,441,580, May 18.
- Scrubber for removing dirt from aggregates such as sand and gravel. G. E. Moyer. 2,450,980, Oct. 12.
- Scrubber, Gas. R. R. Harmon. 2,457,667, Dec. 28.
- Scrubbing machine, Floor. L. J. Simon. 2,441,536, May 11.
- Scum removing apparatus. A. C. Lind. 2,455,338, Nov. 30.
- Sea wall, Retaining. J. Hurt. 2,439,606, Apr. 13.
- Seal. H. M. Goldberg and A. E. Karlberg. 2,445,062, July 13.
- Seal. J. P. Johnson. 2,452,469, Oct. 26.
- Seal. A. M. Starr. 2,442,622, June 1.
- Seal. O. M. Summers. 2,443,332, June 15.
- Seal, Adjustable fluid. A. J. Solari. 2,457,284, Dec. 28.
- Seal and handle, Bag. C. J. Thompson. 2,437,055, Mar. 2.
- Seal and locking device, Threshold. C. R. Hunter. 2,434,042, Jan. 6.
- Seal and terminal for electric furnaces, Gas-tight. J. G. Hoop. 2,438,008, Mar. 16.
- Seal and wiper assembly, Piston oil. E. B. Thompson. 2,451,888, Oct. 19.
- Seal, Bearing. J. M. Wisniewski. 2,448,646, Sept. 7.
- Seal breaker for coffee makers. L. Reichold. 2,449,619, Sept. 21.
- Seal, Centrifugal fluid. M. C. Shaw and O. W. Hart. 2,447,034, Aug. 17.
- Seal, Collet. F. L. Dodge. 2,448,423, Aug. 31.
- Seal construction. J. P. Butterfield. 2,439,073, Apr. 6.
- Seal construction. J. A. Newton and N. Hoertz. 2,439,315, Apr. 6.
- Seal construction. N. S. Reynolds. 2,446,243, Aug. 3.
- Seal construction. J. C. Rhoads. 2,441,844, May 18.
- Seal, Electrical. H. O. Barschdorf. 2,449,759, Sept. 21.
- Seal, Electrical. P. Robinson and P. H. Netherwood. 2,444,880, July 6.
- Seal, Extrusion machine. J. Stuart II. 2,443,586, June 15.
- Seal, Fluid. F. A. Helfrecht. 2,447,411, Aug. 17.
- Seal, Fluid. G. L. Meyers and J. C. Shutt. 2,446,380, Aug. 3.
- Seal, Fluid. F. E. Payne. 2,447,663, Aug. 24.
- Seal, Fluid. C. D. Peterson and A. H. Deimel. 2,440,155, Apr. 20.

- Seal, Fluid. A. J. Rosenberger. 2,457,320, Dec. 28.
 Seal for centrifugal pumps. D. Murphy. 2,453,249, Nov. 9.
 Seal for centrifugal pumps, Mechanical. G. P. Jennings. 2,436,514, Feb. 24.
 Seal for chutes of concrete mixers. H. C. Peters. 2,454,940, Nov. 30.
 Seal for differential pressure apparatus. J. R. Hicks. 2,441,882, May 18.
 Seal for electric discharge devices and manufacture. E. Kettlewell. 2,438,562, Mar. 30.
 Seal for fans. R. D. Moore. 2,447,957, Aug. 24.
 Seal for flaps, Gap. O. E. Holt. 2,444,293, June 29.
 Seal for flexible members, Fluidtight. P. Pevney. 2,444,113, June 29.
 Seal for floating roof tanks. E. E. Shanor. 2,436,942, Mar. 2.
 Seal for high-frequency transmission lines. D. L. Snow and W. W. Hansen. 2,456,653, Dec. 21.
 Seal for rigid members, Fluidtight. P. Pevney. 2,441,206, May 11.
 Seal for selenium rectifier cells, Mechanical. S. Blumenthal. 2,453,618, Nov. 9.
 Seal for shaft-bearings, Water. E. H. Anderson. 2,439,917, Apr. 20.
 Seal for shafts. M. E. Estey. 2,444,249, June 29.
 Seal for shafts and bearings or the like, Fluid. H. Clayton-Wright. 2,434,686, Jan. 20.
 Seal for soaking pit covers. F. D. Hazen. 2,444,736, July 6.
 Seal for stoves, Charging. R. D. Lambert and C. L. Bailey. 2,438,123, Mar. 23.
 Seal for tank openings. W. C. Uhri. 2,450,173, Sept. 28.
 Seal grip tool joint. F. L. Scott. 2,450,452, Oct. 5.
 Seal, Hasp. E. Dietze. 2,435,713, Feb. 10.
 Seal, Jet shaft. F. C. Wallace and R. E. Foster. 2,440,032, Apr. 20.
 Seal, Liquid. T. H. Winkeljohn. 2,437,900, Mar. 16.
 Seal, Mechanical. J. E. Lancaster. 2,436,866, Mar. 2.
 Seal, Mechanical. F. B. Porges. 2,455,700, Dec. 7.
 Seal, Motion. H. S. Jones and W. B. M. Clark. 2,453,324, Nov. 9.
 Seal, Oil. P. W. Sloan. 2,444,901, July 6.
 Seal, Package-type. C. F. Voytech. 2,444,714, July 6.
 Seal, Pressed-in package type rotary. A. J. Solari. 2,444,713, July 6.
 Seal, Pump shaft. J. M. Roth. 2,434,589, Jan. 13.
 Seal, Regulator stem. J. J. Delany. 2,438,360, Mar. 23.
 Seal, Roll-neck. S. A. Hastings and C. F. Voytech. 2,444,699, July 6.
 Seal, Rotary. C. E. Schmitz. 2,443,151, June 8.
 Seal, Shaft. M. Caserta. 2,445,207, July 13.
 Seal, Shaft. E. S. Cole. 2,441,618, May 18.
 Seal, Shaft. F. G. Ferguson and R. C. Thompson. 2,433,839, Jan. 6.
 Seal, Shaft. F. G. Ferguson and R. C. Thompson. 2,449,375, Sept. 14.
 Seal, Shaft. A. G. Schlosser. 2,438,457, Mar. 23.
 Seal, Shaft. T. R. Smith. 2,445,247, July 13.
 Seal, Soot blower. R. H. Wager. 2,444,211, June 29.
 Seal terminal. M. Skobel. 2,451,516, Oct. 19.
 Seal, Terminal bushing. C. V. Fields. 2,434,554, Jan. 13.
 Seal, Well-head. A. J. Penick. 2,456,081, Dec. 14.
 Sealed box. W. A. Ringer. 2,444,895, July 6.
 Sealed closure, Reusable tamper proof. C. D. Magnesens. 2,447,076, Aug. 17.
 Sealed dry cell with threaded end. C. P. Deibel. 2,444,872, July 6.
 Sealed insulation block. A. L. Jennings and H. C. Brown, Jr. 2,433,847, Jan. 6.
 Sealed slide container. G. A. Moore. 2,445,034, July 13.
 Sealed switch. H. Hubbell. 2,457,153, Dec. 28.
 Sealer. F. N. Irwin, Jr. 2,452,126, Oct. 26.
 Sealer for containers, Hand. J. Coyle. 2,455,045, Nov. 30.
 Sealing and carrying device. W. Obernauer. 2,452,485, Oct. 26.
 Sealing and potting composition consisting of tri (p-tertiary butyl phenyl) phosphate and coumarone-indene resin. H. W. Wright, Jr. 2,453,174, Nov. 9.
 Sealing and reinforcing cartons with tape and the tape as an article of manufacture. L. Davis and E. C. Tuukkanen. 2,440,193, Apr. 20.
 Sealing arrangement. P. A. Driscoll. 2,445,057, July 13.
 Sealing coaxial structures. L. C. Werner and W. S. Lund. 2,439,916, Apr. 20.
 Sealing compounds. J. D. Morgan and R. E. Lowe. 2,457,087, Dec. 21.
 Sealing containers, Method and apparatus for. C. H. Larson. 2,435,747, Feb. 10.
 Sealing device. G. A. Borg. 2,457,633, Dec. 28.
 Sealing device. J. Naab. 2,456,529, Dec. 14.
 Sealing device. J. J. Serowy. 2,453,274, Nov. 9.
 Sealing device. W. W. Stunkel. 2,443,749, June 22.
 Sealing device, Floating. D. F. McGill. 2,452,253, Oct. 26.
 Sealing device for dry cells. A. F. Daniel. 2,447,493, Aug. 24.
 Sealing device for shafts. P. N. Curry. 2,434,458, Jan. 13.
 Sealing device, Pressure. J. Fletcher and E. C. Huge. 2,453,124, Nov. 9.
 Sealing electrical discharge tubes. P. L. Spencer. 2,438,721, Mar. 30.
 Sealing element for valves. A. L. Parker. 2,455,087, Nov. 30.
 Sealing element including a binder consisting of polyisobutylene and factice. E. G. King. 2,454,283, Nov. 23.
 Sealing feed and discharge conduits of centrifugal separator bowls. L. D. Jones. 2,435,941, Feb. 10.
 Sealing-in machine. F. J. Malloy. 2,434,664, Jan. 20.
 Sealing-in method for lamps and similar devices. P. O. Cartun. 2,447,158, Aug. 17.
 Sealing machine, Box. C. Christiansen. 2,444,496, July 6.
 Sealing machine having seaming mechanism actuated by fluid pressure operated means responsive to vacuum, Container. A. L. Kronquest and M. M. Sedwick. 2,450,243, Sept. 28.
 Sealing machine, Tube. G. G. Schneider. 2,455,317, Nov. 30.
 Sealing means. R. O. Hallen. 2,437,814, Mar. 16.
 Sealing means. B. E. House. 2,445,882, July 27.
 Sealing means for pumping apparatus. H. W. Jeffcock. 2,448,717, Sept. 7.
 Sealing means for traveling grate stokers. R. L. Beers. 2,453,487, Nov. 9.
 Sealing means, Member. L. A. Kempton. 2,456,066, Dec. 14.
 Sealing means, Shaft. T. R. Smith. 2,445,410, July 20.
 Sealing metal to glass. L. C. Goodale. 2,457,144, Dec. 28.
 Sealing one end of open ended tube, filling through remaining open end, and sealing remaining open end. C. Herzog. 2,449,478, Sept. 14.
 Sealing ring. H. Lagergren. 2,445,952, July 27.
 Sealing ring. T. H. Winkeljohn. 2,437,901, Mar. 16.
 Sealing sleeve for tube units. W. M. Kennedy. 2,445,273, July 13.
 Sealing the stem of hollow valves. W. E. Clements. 2,440,461, Apr. 27.
 Sealing tip for well casings. R. Jaswell. 2,452,466, Oct. 26.
 Sealing unit. F. E. Brady, Jr. 2,445,018, July 13.
 Sealing unit and gasket. J. C. Carter. 2,452,832, Nov. 2.
 Seam for utility bags, Reinforced corner. P. Benenfeld. 2,440,138, Apr. 20.
 Seam opening device. R. H. McMurray. 2,452,312, Oct. 26.
 Seam portions of electrically conducting articles, Welding. L. L. Jones. 2,452,574, Nov. 2.
 Seam welding. F. J. Schwartz. 2,452,498, Oct. 26.
 Seam welding apparatus, Electric resistance. C. S. Seltzer. 2,454,948, Nov. 30.
 Seam with concealed zigzag stitching, Elastic. M. Popper. 2,444,467, July 6.
 Seamer, Double. E. V. Crane and K. Kuhn. 2,453,200, Nov. 9.
 Seamer for filled cans with countersunk bottoms. R. E. J. Nordquist. 2,456,644, Dec. 21.
 Seaming roller mounting. R. E. J. Nordquist. 2,452,596, Nov. 2.
 Sear and bolt mechanism for single-shot firearms. E. G. Reising. 2,435,184, Jan. 27.
 Sear mechanism. W. R. Weeks. 2,436,682, Feb. 24.
 Seat: See—
 Airplane pilot's seat. Renewable valve seat.
 Chair seat. Reversible seat.
 Child's folding seat. Safety window seat.
 Child's toilet seat. Sterilized toilet seat.
 Coach or bus seat. Supplemental motor vehicle seat.
 Floating seat. Swing seat.
 Folding baby seat. Toilet seat.
 Nursery toilet seat. Valve seat.
 Portable folding toilet seat.
 Seat anchoring device. R. S. Turner. 2,450,213, Sept. 28.
 Seat and back rest, Tilting chair. W. J. Sengpiel. 2,447,601, Aug. 24.
 Seat and cover, Combined toilet. N. L. Olson. 2,434,249, Jan. 13.
 Seat attachment for barbers' chairs, Child's. A. N. Masabny. 2,452,252, Oct. 26.
 Seat construction, Spring. S. Overby and C. S. Viall, Sr. 2,437,119, Mar. 2.
 Seat for high-speed conveyances, Crash. D. Henderson. 2,433,950, Jan. 6.
 Seat for use in aircraft. P. Kirk. 2,437,199, Mar. 2.
 Seat mounting. F. C. Hawkins. 2,444,604, July 6.
 Seat slide structure. H. E. Nofz. 2,446,241, Aug. 3.
 Seat structure for tractors, Shock absorbing. V. Zahller. 2,452,280, Oct. 26.
 Seat supporting means, Sliding. P. F. Masucci and L. Zola. 2,446,185, Aug. 3.
 Seating arrangement. A. O. Larson. 2,434,857, Jan. 20.
 Seating structure, Springy adjustable. M. M. Cunningham. 2,454,912, Nov. 30.
 Secondary alkyl(secondary)amino alcohol esters of aryl-substituted aliphatic acids. A. C. Cope. 2,456,555, Dec. 14.
 Secondary-alkyl(secondary)amino alcohol esters of para-dialkyl amino benzoic acid. A. C. Cope. 2,456,556, Dec. 14.
 Secondary and tertiary halogenated alcohols, Production of. E. Bergmann and M. Sulzbacher. 2,446,454, Aug. 3.
 Secondary electron emission tube. W. Soiler. 2,456,654, Dec. 21.
 Secondary rack. B. M. Smalley. 2,454,677, Nov. 23.

- Secret telegraph signaling. H. J. J. M. de Regnauld de Bellescize. 2,453,659, Nov. 9.
- Sectional dining table. R. Langstaff. 2,449,903, Sept. 21.
- Sectional hot-air heater. H. J. D. McCollum. 2,451,629, Oct. 19.
- Sectional type boiler. W. S. Anderson, Jr. 2,456,239, Dec. 14.
- Sectional weaving loom. P. G. E. A. Vanlaer. 2,448,935, Sept. 7.
- Sectionizer, Fruit. W. W. Cummings. 2,457,645, Dec. 28.
- Securing a canvas to a frame. C. E. Thomas. 2,456,225, Dec. 14.
- Securing device. M. H. Abramson. 2,456,039, Dec. 14.
- Securing device. A. S. Goldberg. 2,444,873, July 6.
- Securing device. H. F. Oliver. 2,450,252, Sept. 28.
- Securing device. R. F. Sickles. 2,450,306, Sept. 28.
- Securing device. O. W. Thrailkill. 2,439,995, Apr. 20.
- Securing means in a frame for interchangeable hand mirrors. Reinforced plastic. A. De Meo. 2,454,041, Nov. 16.
- Securing webbing strips to furniture frames, Means of. P. G. Braunschweiger. 2,457,343, Dec. 28.
- Security door holder. W. S. Wilkison. 2,435,861, Feb. 10.
- Sediment raking mechanism for a settling tank comprising a central support and a hinged body between the support and the raking mechanism. C. H. Scott. 2,437,761, Mar. 16.
- Sedimentation apparatus. P. L. Wigton. 2,457,191, Dec. 28.
- Sedimentation tube. J. W. Williams and E. M. Bevilacqua. 2,436,083, Feb. 17.
- Seed counting and selecting device. R. D. Putman. 2,455,701, Dec. 7.
- Seed dropping devices, Operating. W. P. Johnson. 2,441,072, May 4.
- Seed planter. R. M. Cannon. 2,440,846, May 4.
- Seed potato cutter. W. Burns. 2,456,172, Dec. 14.
- Seedling planting device. H. A. Macro. 2,448,599, Sept. 7.
- Seesaw. R. A. Higgins. 2,442,543, June 1.
- Seesaw, Swinging. E. C. Bailey. 2,457,627, Dec. 28.
- Segregator system. D. Samiran. 2,442,379, June 1.
- Seismic locating faults. A. Wolf. 2,449,921, Sept. 21.
- Seismograph recording apparatus. E. M. Palmer. 2,440,970-1, May 4.
- Seismograph signals, Method and apparatus for exhibiting. O. F. Ritzmann. 2,435,903, Feb. 10.
- Selecting finger for crossbar switches. R. A. Svensson and H. O. Karlström. 2,434,373, Jan. 13.
- Selective control device, Manually operative. H. C. May. 2,438,410, Mar. 23.
- Selective control mechanism for governor-controlled aircraft propellers. H. M. McCoy. 2,447,023, Aug. 17.
- Selective disconnection of aileron controls. R. A. Flynn. 2,437,250, Mar. 9.
- Selective propulsion means for amphibious craft. M. B. Anderson. 2,456,478, Dec. 14.
- Selective signaling circuit. J. A. Herbst. 2,457,149, Dec. 28.
- Selective signaling system. C. E. Ammann and R. W. King. 2,446,037, July 27.
- Selective signaling system. W. A. Marrison. 2,442,702, June 1.
- Selective solvent treatment of liquid hydrocarbon mixtures for segregation of contained aromatics. A. S. Smith. 2,444,582, July 6.
- Selective switch banks, Making. L. A. Bartelheim, M. W. Lane, and R. F. Mallina. 2,444,026, June 29.
- Selective tripping of circuit breakers in a system. H. C. Graves, Jr. 2,439,165, Apr. 6.
- Selector. B. W. Roth. 2,438,825, Mar. 30.
- Selector device for vending machines. F. H. Osborne. 2,443,925, June 22.
- Selector mechanism. D. L. Herr. 2,453,911, Nov. 16.
- Selector mechanism. W. T. Lang. 2,455,783, Dec. 7.
- Selector switch. F. Edgerton. 2,438,042, Mar. 16.
- Selector switch. D. W. Johnson. 2,451,225, Oct. 12.
- Selector system. W. W. Hansen. 2,441,145, May 11.
- Selenium boiler. C. S. Smith, Jr., and S. Blumenthal. 2,455,277, Nov. 30.
- Selenium cells, Manufacturing. J. J. A. P. van Amstel. 2,443,878, June 22.
- Selenium elements, Making. C. A. Kotterman. 2,438,923, Apr. 6.
- Selenium products, Manufacture of. D. L. A. Driver. 2,445,768, July 27.
- Selenium rectifier. S. S. Fry. 2,446,465, Aug. 3.
- Selenium rectifier. G. F. Mueller. 2,446,237, Aug. 3.
- Selenium rectifier and making same. C. S. Smith, Jr. 2,453,763, Nov. 16.
- Selenium rectifier element. C. E. Holmes. 2,455,176, Nov. 30.
- Selenium rectifiers. W. E. Blackburn. 2,437,995, Mar. 16.
- Selenium rectifiers. S. S. Frey. 2,446,468, Aug. 3.
- Self-adapting connector. F. Von Volglander. 2,445,981, July 27.
- Self-adjusting bearing. H. C. Hall. 2,443,822, June 22.
- Self-aligning bearing. J. H. Booth. 2,452,352, Oct. 26.
- Self-aligning bearing. A. L. Lee. 2,440,720, May 4.
- Self-aligning conveyor roll mounting. R. E. Klein. 2,451,394, Oct. 12.
- Self-centering gauge for perforating devices. L. von Cseh. 2,445,093, July 13.
- Self-cleaning nonskid cross link. J. L. Batts. 2,445,507, July 20.
- Self-cleaning screen or filter. N. R. Krause. 2,451,227, Oct. 12.
- Self-driven wheel. O. E. Dever. 2,441,801, May 18.
- Self-inking seal press. C. C. Hogan. 2,443,137, June 8.
- Self-loading device for shaker conveyers. L. D. Hagenbook. 2,444,600, July 6.
- Self-loading device for shaker conveyers. J. H. Holstein. 2,435,139, Jan. 27.
- Self-loading vehicle. O. F. Manthie. 2,456,434, Dec. 14.
- Self-locking electric outlet and plug. C. H. Reed. 2,447,597, Aug. 24.
- Self-locking separable fastener. A. Venditty. 2,440,790, May 4.
- Self-lubricating spinning ring. H. E. Herr. 2,435,939, Feb. 10.
- Self-opening container. N. B. Wales. 2,449,186, Sept. 14.
- Self-priming centrifugal pump. C. I. Longenecker and G. W. Quast. 2,442,135, May 25.
- Self-propelled circulating heater. J. E. Woods. 2,454,296, Nov. 23.
- Self-regulating electric steam generator. R. W. E. Vickery. 2,447,294, Aug. 17.
- Self-rotating kinspin thrust bearing. J. B. Wilford. 2,453,291, Nov. 9.
- Self-sealing coke oven door. R. E. Exum. 2,442,348, June 1.
- Self-sealing container. L. McLaughlin. 2,439,366, Apr. 6.
- Self-sealing coupling. M. A. Deming. 2,436,206, Feb. 17.
- Self-sealing coupling. B. A. Main, Jr. 2,451,441, Oct. 12.
- Self-sealing fuel tank. P. J. Dasher. 2,438,965, Apr. 6.
- Self-sealing pipe coupling. P. E. Thomas. 2,439,760, Apr. 13.
- Self-sealing pipe coupling. P. E. Thomas. 2,453,389, Nov. 9.
- Self-service display and storage case. M. D. MacMaster. 2,447,760, Aug. 24.
- Self-serving display device. J. A. Getz. 2,443,384, June 15.
- Self-serving table. E. Logan. 2,453,443, Nov. 9.
- Self-starting synchronous electric motor. R. M. Orzabal. 2,441,079, May 4.
- Self-starting synchronous motor. E. L. Schellens. 2,436,231, Feb. 17.
- Self-supporting, self-adjusting electric water heater. D. D. Owens. 2,448,617, Sept. 7.
- Self-synchronous system for reproducing motion or position. E. P. Rodemann. 2,453,815, Nov. 16.
- Semiautomatic coupling. V. C. Smith and P. E. Bohn. 2,450,527, Oct. 5.
- Semiconductor. C. A. Escoffery. 2,450,887, Oct. 12.
- Semiconductor. C. A. Escoffery and M. D. Merva. 2,450,886, Oct. 12.
- Semidecating machine. E. F. Hayes. 2,451,337, Oct. 12.
- Semirimless ophthalmic mounting. S. Markell. 2,456,293, Dec. 14.
- Semirimless ophthalmic mounting. L. J. Page. 2,435,636, Feb. 10.
- Semirimless spectacle mounting. S. E. Bouchard. 2,450,711, Oct. 5.
- Sensing and comparing means, Record. J. J. Robbins and R. T. Blakely. 2,448,830, Sept. 7.
- Sensing antenna coupling. T. H. Clark. 2,448,018, Aug. 31.
- Sensitive resistance device. A. Palya. 2,442,469, June 1.
- Sensitometer employing repeating wedge modulator. H. Sweet. 2,457,746, Dec. 28.
- Separable connector. J. Rogoff. 2,449,251, Sept. 14.
- Separable fastener. J. W. Aibin. 2,446,070, July 27.
- Separating audio frequencies, Method and apparatus for. W. Soller. 2,455,389, Dec. 7.
- Separating benzene hexachloride isomers. W. H. Cooke and J. C. Smart. 2,438,900, Apr. 6.
- Separating diacetone and monoacetone sorbose. W. R. Graff and W. S. Harmon. 2,437,852, Mar. 16.
- Separating finely divided solid material from a fluid suspension thereof, Method and apparatus for. L. F. Langhurst. 2,441,200, May 11.
- Separating machine. J. Q. Sherman. 2,440,302, Apr. 27.
- Separating 2,4 luttidine and 2,5 luttidine. F. E. Cislak and M. M. Otto. 2,456,377, Dec. 14.
- Separation and purification of gases. D. L. Campbell, H. Z. Martin, E. V. Murphree, and C. W. Tyson. 2,446,076, July 27.
- Separation of aromatic hydrocarbons by selective adsorption in silica gel. A. E. Hirschler. 2,448,489, Aug. 31.
- Separation of asphalt from hydrocarbons. J. R. Meadow and E. E. Reid. 2,438,874, Mar. 30.
- Separation of columbium and tantalum oxides. W. J. Kroll and F. E. Bacon. 2,443,254, June 15.
- Separation of diolefins and contaminating hydrocarbons from rich ammoniacal aqueous solutions. I. D. Hall. 2,438,437, Mar. 23.
- Separation of hydrocarbon mixtures. H. Stewart and A. A. Schaerer. 2,446,514, Aug. 3.
- Separation of isomeric xylenols. F. E. Cislak and M. M. Otto. 2,456,582, Dec. 14.
- Separation of liquid emulsions. M. Biazzi. 2,438,244, Mar. 23.
- Separation of mercury by hydraulic concentration and screening. H. M. Robertson. 2,439,694, Apr. 13.

- Separation of monoethanolamine from admixtures by azeotropic distillation with chlorobenzene. J. C. Speck, Jr. 2,449,152, Sept. 14.
- Separation of neutral fat from tall oil. A. G. Houpt. 2,437,643, Mar. 9.
- Separator: See—
- Battery plate separator. Hop separator.
- Box blank separator. Horizontal liquid current separator.
- Centrifugal dust separator. Magnetic separator.
- Centrifugal separator. Marine sea chest sand separator.
- Continuous sediment separator. Oil separator.
- Cream separator. Oil-wax separator.
- Curb syrup separator. Separator-belt type magnetic separator.
- Dust separator. Swirl-head separator.
- Egg separator. Vertical current pneumatic separator.
- Fluid pressure operated curb sirup separator.
- Fluid separator.
- Separator. J. F. Sebald. 2,449,790, Sept. 21.
- Separator. E. P. Worthen, F. S. Barbour, and F. S. Putnam. 2,439,536, Apr. 13.
- Separator. K. S. Wrisley. 2,436,029, Feb. 17.
- Separator and homogenizer, Cream. J. B. McFadden. 2,453,924, Nov. 16.
- Separator and making the same, Wood battery. R. A. Kaumeyer and J. Rabb, Jr. 2,441,637, May 18.
- Separator and yoke, Cable. B. K. Newman. 2,447,025, Aug. 17.
- Separator drive, Cream. P. B. Shee. 2,448,196, Aug. 31.
- Separator for materials conveyer, Scrap. E. A. Freed. 2,455,750, Dec. 7.
- Separator with vertical classifying current, Trough. C. H. Kear. 2,440,097, Apr. 20.
- Series filtration. E. T. Birsch and W. D. Silcox. 2,454,124, Nov. 16.
- Server, Adhesive strip. T. R. Gautier and R. W. Hoitt. 2,434,996, Jan. 27.
- Service coupling. A. Letvin. 2,457,478, Dec. 28.
- Service handle. A. E. Elliott. 2,444,558, July 6.
- Service indicator. H. Schirokauer. 2,435,907, Feb. 10.
- Service outlet, Electric. F. H. Seals. 2,454,221, Nov. 16.
- Serving apparatus, Material. Y. A. Bouget. 2,457,636, Dec. 28.
- Serving, straining, and carving implement, Combination. S. H. Stone. 2,455,623, Dec. 7.
- Serving tacky tape, Method and apparatus for. T. H. Krueger. 2,444,019, June 22.
- Serving tool. H. L. Kitselman. 2,452,474, Oct. 26.
- Servo actuator. A. Gabriel. 2,438,317, Mar. 23.
- Servo control system. F. W. Cunningham. 2,444,813, July 6.
- Serv control system, Electric motor. J. F. Emerson. 2,450,084, Sept. 28.
- Servo mechanism. S. Wald. 2,454,107, Nov. 16.
- Servomotor. T. Iavelli and V. E. Matulaitis. 2,436,388, Feb. 24.
- Servomotor. C. A. Neracher and W. T. Dunn. 2,453,156, Nov. 9.
- Servomotor control circuit. A. V. Bedford. 2,439,198, Apr. 6.
- Servomotor controlling means. R. F. Hays, Jr. 2,441,149, May 11.
- Servomotor, Fluid pressure. R. M. Nardone. 2,456,211, Dec. 14.
- Servomotor, Follow-up pressure fluid. E. A. Rockwell. 2,448,466, Aug. 31.
- Servomotor of the follow-up type, Fluid pressure. W. A. Eaton. 2,441,263, May 11.
- Servomotor, Pressure fluid. F. J. Tippen. 2,447,825, Aug. 24.
- Servomotor, Pressure fluid follow-up. W. A. Eaton. 2,450,274, Sept. 28.
- Servomotor, Pressure fluid follow-up. A. Gabriel. 2,438,316, Mar. 23.
- Servomotor, Pressure fluid follow-up. H. W. Price. 2,457,721, Dec. 28.
- Servomotor, Pressure fluid follow-up. E. A. Rockwell. 2,448,465, Aug. 31.
- Servomotor, Pressure fluid follow-up. W. F. Triplett. 2,445,091, July 13.
- Servomotor system, Antihunt electrical. T. R. Harrison. 2,449,476, Sept. 14.
- Servomotor unit, Electric. C. L. Paulus. 2,441,593, May 18.
- Servomotor with piston operated locking means. B. N. Ashton. 2,442,577, June 1.
- Servo selector valve. J. Mercier. 2,435,546, Feb. 3.
- Servo, Smoothing. F. P. Coffin, Jr., F. E. Bothwell, and P. D. Crout. 2,449,035, Sept. 7.
- Servo system, Electric antihunt. J. P. Toner. 2,457,330, Dec. 28.
- Servo system, Selsyn-controlled. R. F. Hays, Jr. 2,455,364, Dec. 7.
- Servo unit. B. G. Carlson. 2,454,551, Nov. 23.
- Setback means for pumping units. E. W. Patterson. 2,456,531, Dec. 14.
- Set, Comb and brush. A. H. Jung. 2,450,344, Sept. 28.
- Set of knockdown furniture. L. E. Steinberger. 2,457,411, Dec. 28.
- Setscrews in bearing innerraces, Retaining. A. G. Nickle. 2,437,305, Mar. 9.
- Setter, Fuse. F. E. Cole and W. V. Goodhue. 2,442,842, June 8.
- Setting and filing device, Saw. W. H. Harless. 2,440,898, May 4.
- Setting machine, Hot cap. P. A. Bezzerides. 2,452,287, Oct. 26.
- Setting means for world clocks. A. Tellier. 2,451,639, Oct. 19.
- Setting mechanism for guns, Fuse. B. Jorgensen. 2,450,553, Oct. 5.
- Setting properties on a dihydroxy benzene-aldehyde adhesive before the setting thereof and utilization of the adhesive in the bonding of materials, Conferring accelerating. P. H. Rhodes. 2,443,197, June 15.
- 7-amino and 7-hydroxy-1,3,4-triazaindolizines as stabilizers for photographic silver-halide emulsions. N. Heimbach and W. Kelly, Jr. 2,449,225, Sept. 14.
- 7-Dehydro-cholesterol, Production of. J. A. Callan. 2,436,195, Feb. 17.
- 7-dehydrosterol, Preparing a. J. van der Vliet and W. Stevens. 2,441,091, May 4.
- Severing well casings and the like in place in the well. L. F. Defenbaugh. 2,436,036, Feb. 17.
- Sewage lift. W. P. Whittington. 2,434,027, Jan. 6.
- Sewage, Process and system for treating. H. O. Halvorson. 2,441,813, May 18.
- Sewage treating apparatus comprising a receptacle having a rotatable support partially submerged in liquid therein and having a matrix of oxidizing bacteria thereon. J. G. Bevan. 2,433,884, Jan. 6.
- Sewage treatment. F. D. Prager. 2,442,432, June 1.
- Sewage treatment process. J. E. Koruzo and K. J. Mulvaney. 2,442,241, May 25.
- Sewer, Highway. J. J. Hart. 2,440,857, May 4.
- Sewer mole. F. Stone. 2,446,964, Aug. 10.
- Sewer pipe off-bearing and finishing machine. D. Brown and J. D. Rossier. 2,451,713, Oct. 19.
- Sewing. J. P. Fredericksen. 2,454,277, Nov. 23.
- Sewing cabinet. R. H. Forsell. 2,443,132, June 8.
- Sewing case and pincushion, Combined. J. A. Zampino. 2,457,767, Dec. 28.
- Sewing machine. F. Ashworth. 2,446,569, Aug. 10.
- Sewing machine. N. V. Christensen. 2,434,608, Jan. 13.
- Sewing machine. N. V. Christensen. 2,447,115, Aug. 17.
- Sewing machine. N. V. Christensen. 2,453,119, Nov. 9.
- Sewing machine. N. V. Christensen, G. Sauer, and C. C. Smith. 2,446,261, Aug. 3.
- Sewing machine. A. B. Clayton. 2,435,937, Feb. 10.
- Sewing machine. M. L. Cook. 2,448,774, Sept. 7.
- Sewing machine. D. Fischbein. 2,442,647, June 1.
- Sewing machine. O. R. Haas. 2,450,043, Sept. 28.
- Sewing machine. M. G. Ivandick. 2,438,636, Mar. 30.
- Sewing machine. B. T. Leveque. 2,440,722, May 4.
- Sewing machine. H. J. Le Vesconte and A. M. Schweda. 2,444,657, July 6.
- Sewing machine. A. C. Peterson and R. A. Hayes. 2,446,342, Aug. 3.
- Sewing machine. J. H. Pikul. 2,436,449, Feb. 24.
- Sewing machine. C. F. Rubel. 2,440,615, Apr. 27.
- Sewing machine. C. F. Rubel. 2,446,245, Aug. 3.
- Sewing machine. G. Sauer. 2,446,306, Aug. 3.
- Sewing machine. B. A. Schmitt. 2,435,291-2, Feb. 3.
- Sewing machine. C. Seaman. 2,437,978, Mar. 16.
- Sewing machine. H. Sebell. 2,438,459, Mar. 23.
- Sewing machine. C. C. Smith. 2,449,018, Sept. 7.
- Sewing machine and attachment therefor for making cross-stitches. C. Seaman. 2,437,975, Mar. 16.
- Sewing machine, Blind stitch. J. Schifter and H. L. Burkitt. 2,440,811, May 4.
- Sewing machine drive. J. W. Momberg. 2,454,471, Nov. 23.
- Sewing machine, Electromagnetic. J. A. Ozanich. 2,448,458, Aug. 31.
- Sewing machine, Filled bag. P. A. Herr. 2,434,158, Jan. 6.
- Sewing machine, Lockstitch. G. J. Barbati. 2,436,782, Mar. 2.
- Sewing machine loop-taker mechanism. C. A. Kessler. 2,441,937, May 18.
- Sewing machine needles, Cooling and lubricating. A. Albero. 2,453,827, Nov. 16.
- Sewing machine, Overedge. N. Knaus. 2,441,099, May 4.
- Sewing machine, Overedge. N. Knaus and P. J. Anton. 2,434,619, Jan. 13.
- Sewing machine, Rope whipping. P. T. McLendon. 2,435,457, Feb. 3.
- Sewing machine, Shoe. L. G. Miller. 2,436,445, Feb. 24.
- Sewing machine, Shoe inseam. O. R. Haas. 2,456,634, Dec. 21.
- Sewing machine, Tarpaulin. F. D. Coppock. 2,444,335, June 29.
- Sewing machine with looper throwout, Chain stitch. A. B. Clayton. 2,441,931, May 18.
- Sewing machines, Compensating means for sole. V. Petrosino. 2,444,062, June 29.
- Sextant. R. P. Ferlen. 2,443,382, June 15.
- Shackle. R. E. Belvel. 2,435,336, Feb. 3.
- Shackle, adjustable spring. H. Wilson. 2,434,304, Jan. 13.
- Shackle, Poultry. E. M. Davis. 2,448,421, Aug. 31.
- Shackle, Poultry. G. W. Johnson. 2,438,608, Mar. 30.
- Shackle, Rod line. G. W. Whiteman. 2,444,214, June 29.
- Shade and curtain bracket and Venetian blind holder, Combined. M. Whitfield. 2,434,252, Jan. 13.

- Shade and curtain hanger. J. Kroll. 2,441,424, May 11.
 Shade, Blindlike. A. Cascia. 2,450,782, Oct. 5.
 Shade, Fish bowl lamp. H. E. Lowry. 2,448,318, Aug. 31.
 Shade, Lamp. M. S. Brockman. 2,437,292, Mar. 9.
 Shade, Lamp. A. R. Klosek. 2,435,786, Feb. 10.
 Shade, Lamp. G. Spaw. 2,435,759, Feb. 10.
 Shade roller bracket. J. C. Haws and C. A. White. 2,454,449, Nov. 23.
 Shade, Window. W. A. Harju. 2,448,800, Sept. 7.
 Shaded pole motor. C. B. Walworth, Jr. 2,445,813, July 27.
 Shaded-pole synchronous motor. A. F. Welch and J. R. Enochs. 2,437,142, Mar. 2.
 Shading process for photographs. H. J. Tuthill. 2,454,898, Nov. 30.
 Shaft actuated snap action mechanism for reciprocating expandable chamber motors. C. R. Sacchini. 2,451,449, Oct. 12.
 Shaft and control knob arrangement. E. A. Hallstrand. 2,443,034, June 8.
 Shaft bearing. D. Firth. 2,455,166, Nov. 30.
 Shaft bearing. W. R. Freeman. 2,439,971, Apr. 20.
 Shaft bearing for microscopes, Adjustable pinion. C. H. O. Wittig. 2,449,156, Sept. 14.
 Shaft brake for fishing reels, Continuous. B. E. Berlinger. 2,454,590, Nov. 23.
 Shaft coupling. R. E. E. Jessop. 2,449,654, Sept. 21.
 Shaft coupling. N. B. Strachovsky. 2,457,507, Dec. 28.
 Shaft, Paper roll. W. A. Hayssen. 2,443,243, June 15.
 Shaft, Power transmission. N. Frye. 2,441,265, May 11.
 Shakedown device for thermometers. G. A. Caswell. 2,447,635, Aug. 24.
 Shaker conveyor. W. W. Sloane. 2,433,961, Jan. 6.
 Shaker conveyor. W. W. Sloane. 2,454,484, Nov. 23.
 Shaker, Salt and pepper. O. H. Crowell. 2,446,742, Aug. 10.
 Shaker, Toothpick. S. Kassovic. 2,448,099, Aug. 31.
 Shampoo board. J. L. Bazelon. 2,451,652-3, Oct. 19.
 Shank, Eaves trough. H. E. Usinger. 2,440,528, Apr. 27.
 Shank, Extensible tool. J. Condor. 2,438,633, Mar. 30.
 Shank, Offset bit. F. A. Ray. 2,448,276, Aug. 31.
 Shaped articles, Making. G. T. Vaala. 2,455,198, Nov. 30.
 Shaped objects, filaments, and the like, Preparation of. R. W. Upson. 2,436,156, Feb. 17.
 Shaper for trousers. J. Mastrillo. 2,451,503, Oct. 19.
 Shaping circuit for cathode beam tubes. M. C. Jones and L. E. Matson, Jr. 2,444,651, July 6.
 Sharpener, Blade. J. Kuzma. 2,447,257, Aug. 17.
 Sharpener, Disc and blade. W. F. French. 2,435,775, Feb. 10.
 Sharpener for double-edged razor blades, with automatic blade-turning means. R. B. Bostwick. 2,439,646, Apr. 13.
 Sharpener, Knife. F. W. Davis. 2,446,909, Aug. 10.
 Sharpener, Knife. G. M. Jones. 2,436,810, Mar. 2.
 Sharpener, Knife. W. R. Pancoast. 2,457,714, Dec. 28.
 Sharpener, Knife. L. Pavese and F. F. Rodoni. 2,444,110, June 29.
 Sharpener, Knife. J. R. Reese. 2,438,681, Mar. 30.
 Sharpener, Knife. B. F. Schmidt. 2,448,629, Sept. 7.
 Sharpener, Lawn mower. O. G. Craver, Sr. 2,456,389, Dec. 14.
 Sharpener, Lawn mower. F. M. Slack. 2,443,152, June 8.
 Sharpener, Lawn mower. E. J. Toepfer. 2,441,045, May 4.
 Sharpener, Pencil. C. E. Jordan. 2,439,252, Apr. 6.
 Sharpener, Pencil. C. C. Weathers and F. H. McMichael. 2,435,661, Feb. 10.
 Sharpener, Pencil. J. A. Yerkes. 2,438,628, Mar. 30.
 Sharpener, Razor blade. G. E. Bergman. 2,452,094, Oct. 26.
 Sharpener, Razor blade. E. Olson. 2,440,520, Apr. 27.
 Sharpener, Saw. W. S. Fields. 2,434,691, Jan. 20.
 Sharpener, Saw-tooth. B. R. Andrus. 2,439,279, Apr. 6.
 Sharpener, Scissors. G. E. De Tray. 2,451,203, Oct. 12.
 Sharpener, Tong. H. L. Harris, Sr. 2,442,084, May 25.
 Sharpening apparatus. R. E. Matter. 2,447,418, Aug. 17.
 Sharpening apparatus, Razor blade. T. Fjeld. 2,451,384, Oct. 12.
 Sharpening device. H. Brown. 2,434,141, Jan. 6.
 Sharpening device. C. Gray. 2,443,821, June 22.
 Sharpening device, Axe. T. Lee. 2,455,014, Nov. 30.
 Sharpening device for cutting blades, Precision. J. F. Vazquez. 2,441,459, May 11.
 Sharpening device, Knife and scissors. E. W. Clark. 2,454,035, Nov. 16.
 Sharpening device for knives. E. W. Clark. 2,435,672, Feb. 10.
 Sharpening device for lawn mowers. A. Sporket. 2,437,443, Mar. 9.
 Sharpening device for the cutting rollers of pencil sharpeners. F. E. Bearden. 2,452,827, Nov. 2.
 Shaver, Dry. H. J. Horwood. 2,451,831, Oct. 19.
 Shaver, Dry. H. E. Page. 2,440,114, Apr. 20.
 Shaver, Power driven dry. H. E. Page. 2,440,061, Apr. 20.
 Shaving gears. W. S. Prueg. 2,435,405, Feb. 3.
 Shear. F. L. and C. E. McGary. 2,449,561, Sept. 21.
 Shear. F. E. Munschauer and J. P. Wadeck. 2,452,525, Oct. 26.
 Shear and tension patch. J. Kintas. 2,445,118, July 13.
 Shear, Center cut. F. L. and C. E. McGary. 2,442,424, June 1.
 Shear control apparatus, Alligator. L. L. Hereik. 2,440,799, May 4.
 Shear head for electric dry shavers. E. Jost. 2,440,586, Apr. 27.
 Shear, Metal cutting flying. E. Henschker. 2,436,572, Feb. 24.
 Shear-resisting joint element. C. A. Aldrich. 2,444,276, June 29.
 Shear testing device. J. D. Mann. 2,437,750, Mar. 16.
 Shearer. R. V. Hirsch. 2,448,219, Aug. 31.
 Shearing apparatus. C. W. Hawthorne. 2,451,948, Oct. 19.
 Shearing machine. V. B. and K. E. Graham. 2,453,216, Nov. 9.
 Shearing machine drive. M. Hänggi. 2,437,738, Mar. 16.
 Shearing machine, Plate. G. J. E. and O. L. Ekberg. 2,443,764, June 22.
 Shearing machine, Rock. E. E. White. 2,452,706, Nov. 2.
 Shearing tool. R. G. Fear. 2,439,422, Apr. 13.
 Shears and the like, Pruning. K. J. Klenk. 2,436,260, Feb. 17.
 Shears, Explosive-operated. G. A. Barker. 2,446,994, Aug. 17.
 Shears, Motor operated multiple blade. C. L. Beard. 2,434,308, Jan. 13.
 Shears, Surgical cast. A. J. Hood. 2,455,009, Nov. 30.
 Sheath, Oriented polymeric. C. D. Coxe. 2,438,901, Apr. 6.
 Sheave block with self-locking track slide. R. Y. Barkley. 2,453,357, Nov. 9.
 Sheave feeding and butt cutting device for threshers. A. W. Wessman. 2,435,703, Feb. 10.
 Sheet brushing apparatus. R. O. Peterson. 2,453,339, Nov. 9.
 Sheet construction. I. L. Lesavoy. 2,444,166, June 29.
 Sheet feeding apparatus. W. E. Schneider. 2,437,702, Mar. 16.
 Sheet feeding apparatus. L. C. Williams. 2,434,530, Jan. 13.
 Sheet feeding mechanism. S. E. Gregory. 2,436,168, Feb. 17.
 Sheet feeding mechanism. C. J. Malhiot. 2,434,808, Jan. 20.
 Sheet feeding method and apparatus therefor. F. R. Belluche. 2,454,762, Nov. 30.
 Sheet for reproduction purposes, Translucent. R. B. Stringfield and T. R. Miles. 2,451,126, Oct. 12.
 Sheet handling apparatus. L. C. Williams. 2,435,915, Feb. 10.
 Sheet holder. R. O. Bockhold. 2,440,891, May 4.
 Sheet insulating materials, Composite bonded. W. A. Boughton, C. L. Dawes, and W. R. Mansfield. 2,456,251, Dec. 14.
 Sheetlike light-polarizing complex of iodine and a polyvinyl compound with protective surface boric acid-polyvinyl compound complex. M. Hyman, Jr. and C. D. West. 2,445,579, July 20.
 Sheet material for the electrolytic formation of an azo dyestuff thereon, Fibrous. M. Solomon. 2,440,526, Apr. 27.
 Sheet material, Inlaying. P. F. Skoog. 2,454,016, Nov. 16.
 Sheet material, System of forming. I. L. Lesavoy. 2,439,939, Apr. 20.
 Sheet metal cabinet shelf support. L. C. Rockwell. 2,443,517, June 15.
 Sheet metal clamp. F. C. Wallace. 2,439,531, Apr. 13.
 Sheet metal curtain rod. B. M. Wadkins. 2,435,109, Jan. 27.
 Sheet metal, Reinforced. R. S. Smith. 2,443,170, June 8.
 Sheet metal working apparatus, especially for welding machines. W. A. Weightman. 2,446,148, July 27.
 Sheet of birefringent material and making the same, Composite resinous. M. Hyman, Jr. 2,447,805, Aug. 24.
 Sheet of molecularly oriented transparent linear high polymer dyed with dichroic substance and manufacture, Light-polarizing. E. H. Land. 2,454,515, Nov. 23.
 Sheet paper dispenser. P. Breitwieser. 2,434,454, Jan. 13.
 Sheet positioning and feeding device for printing presses. R. D. Hawes. 2,451,388, Oct. 12.
 Sheet, Pressure-sensitive adhesive. E. M. Beavers. 2,445,553, July 20.
 Sheet registering mechanism for printing machines. W. K. Eckhard and E. W. Goodwin. 2,439,420, Apr. 13.
 Sheet separating device. F. B. Streich. 2,441,912, May 18.
 Sheet shackles. Jib. F. H. Drake. 2,449,593, Sept. 21.
 Sheet thermoplastics, Method and apparatus for centrifugally forming of. R. Mayne. 2,448,492, Aug. 31.
 Sheets with a deoxidizing medium, Method and apparatus for treating. J. Felber. 2,442,350, June 1.
 Shelf. R. O. Hunt. 2,438,505, Mar. 30.
 Shelf, Foldable. J. L. Pozun and L. Houghton. 2,445,082, July 13.
 Shelf for carts, Auxiliary. H. I. Sides. 2,451,985, Oct. 19.
 Shelf structure with guard for refrigerator doors. R. H. Money and J. W. Craig. 2,434,117, Jan. 6.
 Shelves for paper handling machinery, Adjustable feed. V. E. Pratt and G. F. Gray. 2,444,580, July 6.
 Shelving. A. F. Kern. 2,455,682, Dec. 7.
 Shelving construction, Adjustable. D. Kline. 2,447,704, Aug. 24.
 Shell, Annealed. W. F. Reager. 2,448,496, Aug. 31.
 Sheller, Corn. E. R. Gerber. 2,443,031, June 8.

- Shellac bleaching. W. J. McIntoch. 2,448,320, Aug. 31.
 Shield. G. Stovall. 2,447,215, Aug. 17.
 Shield box and tuning mechanism for electron tubes. F. H. McCall and P. Devreotes. 2,453,148, Nov. 9.
 Shield, Breast. M. W. Warner. 2,454,535, Nov. 23.
 Shield, Corona. A. H. Mankin. 2,434,572, Jan. 13.
 Shield, Discardable and deodorizing garment. M. Billins and R. Fischer. 2,434,830, Jan. 20.
 Shield, Face and ear. M. V. Rasmussen. 2,435,100, Jan. 27.
 Shield for dental lathes. J. P. Honey. 2,454,513, Nov. 23.
 Shield for doors, Insect. T. W. Scifres. 2,443,275; June 15.
 Shield for gun mounts. J. C. Jorgensen. 2,457,240, Dec. 28.
 Shield for orchard tractors, Protective. M. T. Hedquist and J. Haley. 2,451,553, Oct. 19.
 Shield for spark plugs, Moisture. G. G. Burrell and A. L. Hulshizer. 2,436,712, Feb. 24.
 Shield for telephone transmitters, Sanitary. I. V. Weisbrod. 2,450,703, Oct. 5.
 Shield for telephone transmitters, Sound. P. S. Veneklasen. 2,456,346, Dec. 14.
 Shield for the bottom edges of trouser legs. G. W. Blank. 2,435,492, Feb. 3.
 Shield for toggle switches, Waterproof. R. R. and F. R. Gonsett. 2,440,943, May 4.
 Shield for transformers. C. H. Dunton. 2,451,324, Oct. 12.
 Shield, Hair drier. A. N. Scolia. 2,446,790, Aug. 10.
 Shield, Radiator. L. R. Clausen. 2,455,734, Dec. 7.
 Shield, Separator. R. K. Whitehead. 2,453,353, Nov. 9.
 Shield, Spark plug. G. G. and L. Burrell. 2,447,157, Aug. 17.
 Shielded cable. T. F. Peterson. 2,446,387, Aug. 3.
 Shielded spark plug. L. F. Hahn. 2,445,777, July 27.
 Shielding means, Solder splash. J. W. Seigh. 2,455,815, Dec. 7.
 Shift circuits, Phase. R. D. McCoy. 2,452,586, Nov. 2.
 Shift signaling, Carrier frequency. S. A. Barone. 2,451,430, Oct. 12.
 Shiftable bed rail table. R. L. Smith. 2,452,160, Oct. 26.
 Shiftable rotary operative fastener. F. E. Johnson. 2,456,559, Dec. 14.
 Shifter arrangement. E. O. Merline. 2,447,866, Aug. 24.
 Shifting mechanism for heel-attaching machines, Work. W. A. Barker and T. B. Clarke. 2,451,529, Oct. 19.
 Shifting mechanism for power transmission apparatus. K. W. Couse. 2,434,791, Jan. 20.
 Shifting mechanism, Gear. K. B. Britton. 2,447,730, Aug. 24.
 Shifting of lading in freight carriers, Means to prevent. G. H. Liebegott. 2,449,491, Sept. 14.
 Shingle. H. Abraham. 2,444,623, July 6.
 Shingle. J. E. Black. 2,437,874, Mar. 16.
 Shingle finishing machine. R. A. Wilde. 2,440,994, May 4.
 Shingle, Lock. M. G. O'Reilly. 2,447,466, Aug. 17.
 Shingles and clips therefor. J. G. Price. 2,447,275, Aug. 17.
 Ship for handling package freight, Container. L. D. Smith. 2,440,306, Apr. 27.
 Ship hold. L. D. Smith. 2,440,307, Apr. 27.
 Shipping assembly. G. H. Norquist. 2,457,262, Dec. 28.
 Shipping container. A. Berke. 2,445,467, July 20.
 Shipping container. F. L. and C. E. McGary. 2,457,702, Dec. 28.
 Shipping container. R. Paul and G. F. Sulfrian. 2,453,930, Nov. 16.
 Shipping package. W. D. Poole. 2,445,152, July 13.
 Ship's log indicator. H. Lehde. 2,447,349, Aug. 17.
 Shirt bands, shirt collars, and the like, Producing. M. Sperber. 2,444,381, June 29.
 Shirt board. S. Ralph. 2,434,716, Jan. 20.
 Shirt hold-down device. F. R. Sinopoli. 2,450,568, Oct. 5.
 Shirt, Stay-down. S. Katz. 2,296,9, Feb. 3.
 Shock absorber. R. A. Clay. 2,435,200, Feb. 3.
 Shock absorber. L. R. Gruss. 2,443,615-16, June 22.
 Shock absorber. L. R. Gruss. 2,443,730, June 22.
 Shock absorber. M. Hahn. 2,441,629, May 18.
 Shock absorber. E. W. Johnson. 2,450,731, Oct. 5.
 Shock absorber. B. L. Mallory. 2,437,749, Mar. 16.
 Shock absorber. W. J. Osterhoudt. 2,450,154, Sept. 28.
 Shock absorber. E. F. Rossman. 2,445,407, July 20.
 Shock absorber. E. F. Rossman. 2,456,736, Dec. 21.
 Shock absorber. J. F. Wallace. 2,440,353, Apr. 27.
 Shock absorber, Direct-acting hydraulic. E. F. Rossman. 2,435,160, Jan. 27.
 Shock absorber, Double-acting. L. Brown and L. Lacey. 2,453,966, Nov. 16.
 Shock absorber for pneumatic apparatus. G. W. Jardine. 2,441,766, May 18.
 Shock absorber for railway car end buffers. J. H. Link. 2,442,050, May 25.
 Shock absorber, Friction. G. E. Dath. 2,452,637, Nov. 2.
 Shock absorber, Friction. A. E. Dentler. 2,441,621, May 18.
 Shock absorber, Friction. H. B. Loewer. 2,439,478, Apr. 13.
 Shock absorber, Friction. H. A. Miner. 2,439,484, Apr. 13.
 Shock absorber, Handle bar. J. P. Guttormsen. 2,452,371, Oct. 26.
 Shock absorber, Hydraulic. E. F. Rossman. 2,436,901, Mar. 2.
 Shock absorber, Hydraulic. L. E. Willard. 2,452,885, Nov. 2.
 Shock absorber, Pneumatic. P. W. Thornhill. 2,450,387, Sept. 28.
 Shock absorber, Power transmission. C. Gulbrandsen. 2,441,267, May 11.
 Shock absorber, Steerable wheel. N. N. O. Odegard. 2,450,015, Sept. 28.
 Shock absorbing bearing. E. Morf. 2,455,081, Nov. 30.
 Shock absorbing device. E. P. Neher. 2,437,206, Mar. 2.
 Shock absorbing device for aircraft and other power-driven vehicles. C. A. Gret. 2,445,139, July 13.
 Shock-absorbing device for pivots of watch balance staffs. A. Marchand. 2,456,071, Dec. 14.
 Shock absorbing mechanism for railway draft riggings, Friction. G. E. Dath. 2,439,843, Apr. 20.
 Shock absorbing mechanism, Friction. G. E. Dath. 2,452,108, Oct. 26.
 Shock absorbing mechanism, Friction. J. J. Krob. 2,439,937, Apr. 20.
 Shock absorbing strut for aircraft. T. Knox. 2,438,011, Mar. 16.
 Shock absorbing system for vehicles. J. M. Cosentino. 2,452,105, Oct. 26.
 Shock absorbing tow bar. E. W. Milhizer. 2,444,305, June 29.
 Shock gauge. C. E. Crede. 2,455,356, Dec. 7.
 Shock gauge. C. H. Grogan and C. E. Crede. 2,454,793, Nov. 30.
 Shockproof mounting. J. E. Flanagan. 2,455,891, Dec. 7.
 Shockproof support. C. E. Bazley and C. Bangert, Jr. 2,454,538, Nov. 23.
 Shock resisting retainer. F. J. Van Dusen. 2,446,445, Aug. 3.
 Shock strut. C. E. Tack. 2,443,587; June 15.
 Shoe. B. F. Snyder. 2,447,603, Aug. 24.
 Shoe. C. F. Vlasak. 2,434,024, Jan. 6.
 Shoe and inserts. E. C. Meldman. 2,447,954, Aug. 24.
 Shoe and making same, Platform type. G. A. Miner. 2,436,050, Feb. 17.
 Shoe and making same, Platform type. A. H. Quinn. 2,438,821, Mar. 30.
 Shoe antiskid device. W. Smith. 2,438,193, Mar. 23.
 Shoe assembling and locating attachment. H. Gordon and C. H. Free. 2,449,216, Sept. 14.
 Shoe attachment for wheels, Traction. C. J. Achenbach. 2,450,776, Oct. 5.
 Shoe cleaner. E. A. Stein. 2,436,234, Feb. 17.
 Shoe closure. H. Nichols. 2,454,335, Nov. 23.
 Shoe construction. W. H. Doherty. 2,445,665, July 20.
 Shoe construction. R. Stile and P. Eisenberg. 2,436,458, Feb. 24.
 Shoe construction. J. P. Tarbox. 2,452,502, Oct. 26.
 Shoe construction having stitched-in insole and pressure-covered molded heel counter. J. Meltzer. 2,447,590, Aug. 24.
 Shoe construction. Open-back type. A. M. Rogoff. 2,442,511, June 1.
 Shoe construction, Shank reinforced. M. Kaufmann. 2,439,431, Apr. 13.
 Shoe, Elevator. H. C. Gaither. 2,435,742, Feb. 10.
 Shoe, Emergency tire. A. J. Mosley. 2,447,357, Aug. 17.
 Shoe for sports and the like. M. Carrier. 2,444,428, July 6.
 Shoe form. P. W. Senfeben. 2,452,158, Oct. 26.
 Shoe half sole or tap. F. Cleve, Jr. 2,434,990, Jan. 27.
 Shoe having a heel covering and making same, Open heel. G. Naidor. 2,439,217, Apr. 6.
 Shoe, Hinged heel. J. R. Nampton. 2,450,250, Sept. 28.
 Shoe holder. S. E. Raudebaugh. 2,455,805, Dec. 7.
 Shoehorn. F. C. Menenko. 2,446,777, Aug. 10.
 Shoe lace tip, Adjustable locking. H. Sims. 2,451,247, Oct. 12.
 Shoe last. G. Clausung. 2,443,978, June 22.
 Shoe last. G. Clausung. 2,455,294, Nov. 30.
 Shoe last and support. J. Farina. 2,455,360, Dec. 7.
 Shoe machine. F. Ashworth. 2,438,986, Apr. 6.
 Shoe machine. A. E. Diessel. 2,450,643, Oct. 5.
 Shoemaker's clamp. E. A. McLane. 2,434,328, Jan. 13.
 Shoe mounting for projectors, Tension. E. J. Wienke. 2,455,206, Nov. 30.
 Shoe or the like, Play. C. F. Behringer and L. Rogers. 2,435,668, Feb. 10.
 Shoe pad construction, Body weight distributing. W. C. Burns. 2,434,258, Jan. 13.
 Shoe parts, Stiffening. E. L. Beckwith and A. P. Swett. 2,447,681, Aug. 24.
 Shoe, Platform. W. M. Fennessy. 2,457,082, Dec. 21.
 Shoe, Platform type. F. E. Curtis. 2,445,847, July 27.
 Shoe, Platform type. D. Garofalo. 2,434,995, Jan. 27.
 Shoe press. P. Brauner. 2,444,331, June 29.
 Shoe pressing apparatus. F. Dawson. 2,445,565, July 20.
 Shoe protector. L. A. Bestland. 2,436,187, Feb. 17.
 Shoe protector. A. N. Sidnam, B. Bolté, and T. C. Neary. 2,446,284, Aug. 17.
 Shoe, Safety. R. B. Harrison. 2,457,664, Dec. 28.
 Shoe sole. H. C. Knellwolf. 2,455,500, Dec. 7.
 Shoe sole attaching. F. V. Nugent. 2,448,112, Aug. 31.
 Shoe sole, Cushioned. M. Hall. 2,437,227, Mar. 2.
 Shoe sole, Laminated pile-fabric. A. E. Murray. 2,448,455, Aug. 31.
 Shoe sole with curved ground-contacting face. E. L. Monagin. 2,435,976, Feb. 17.

- Shoe stretching mechanism, Positive and lock lateral. F. De Curtis. 2,452,440, Oct. 26.
- Shoe support. K. W. Macdonald. 2,456,135, Dec. 14.
- Shoe toe box. J. L. Cobb. 2,443,725, June 22.
- Shoe, Tread. A. J. Gillespie. 2,452,921, Nov. 2.
- Shoe tree. G. Albino. 2,457,623, Dec. 28.
- Shoe tree. E. H. Greenberg. 2,438,748, Mar. 30.
- Shoe tree. W. F. Horsting. 2,437,028, Mar. 2.
- Shoe tree. W. M. Renner. 2,449,861, Sept. 21.
- Shoe tree. C. Tietig. 2,456,756, Dec. 21.
- Shoe tree, Adjustable. R. Hubbert. 2,448,431, Aug. 31.
- Shoe tree, Adjustable. I. King. 2,443,792, June 22.
- Shoe tree and shoeshine bracket, Combination. V. Clair. 2,457,445, Dec. 28.
- Shoe tree, Foldaway. W. F. Sheppard. 2,452,689, Nov. 2.
- Shoe tree with desiccant. H. F. Brush. 2,446,904, Aug. 10.
- Shoe upper, Self-adjustable. E. and R. Sudiah. 2,452,803, Nov. 2.
- Shoe uppers by heat-shrinking to forms, Producing. E. G. Reed. 2,435,797, Feb. 10.
- Shoe vamp, Fur-covered. G. Naidor. 2,455,436, Dec. 7.
- Shoe, Ventilated. R. R. Gantt. 2,441,879, May 18.
- Shoe welt, Seam-filling. W. E. Phinney. 2,438,095, Mar. 16.
- Shoe with cushioning means, Cement type. E. A. Schmidli. 2,434,370, Jan. 13.
- Shoe with detachable upper. R. A. and G. M. Leach. 2,438,711, Mar. 30.
- Shoe with instep guard, Sandal type. E. L. Jordan. 2,454,181, Nov. 15.
- Shoe with moisture absorbing means. J. A. Desbiens. 2,435,131, Jan. 27.
- Shoe with removable plug, Blucher type. W. H. Epstein. 2,444,640, July 6.
- Shoe with rubber sole, Spring steel. W. J. Sprong. 2,453,468, Nov. 9.
- Shoe with shank spring and stiffener. H. H. Johnson. 2,442,007, May 25.
- Shoe with sheath form of upper. D. E. Levin. 2,457,573, Dec. 28.
- Shoe with stiffening means, Open-back. T. A. Cochary. 2,446,169, Aug. 3.
- Shoe with tucked in heel cover, and method, Slip lasted. W. Braun. 2,440,362, Apr. 27.
- Shoes, Making. W. F. Herlihy. 2,442,239, May 25.
- Shoes, Making arch-supporting. J. E. Lincev and W. J. McGrath. 2,441,891, May 18.
- Shoes, Making force lasted. S. L. Erlich. 2,442,559, June 1.
- Shoes, Making platform. E. E. Murphy. 2,439,900, Apr. 20.
- Shoes, Making slip lasted. F. L. Ayers. 2,443,588, June 22.
- Shoes, Manufacture of open-toe. H. E. Osborne. 2,435,051, Jan. 27.
- Shoes with a wedge heel and stiffener, Making. I. Bos-tock. 2,444,493, July 6.
- Shoes with upwardly deflected sole, Making. K. Engel. 2,448,301, Aug. 31.
- Shopping bag. B. Chodak. 2,452,994, Nov. 2.
- Shopping bag and handbag, Combined. W. P. Gibson. 2,450,040, Sept. 28.
- Shopping bag handle. A. J. Laus. 2,448,894, Sept. 7.
- Shopping bag with foldable, extensible top. F. F. Scher-zinger. 2,454,013, Nov. 16.
- Shortening, Making. A. Gudheim. 2,455,363, Dec. 7.
- Shortening, Puff pastry. E. W. Eckey. 2,442,537, June 1.
- Shot, Sling. W. L. Walker. 2,443,408, June 15.
- Shoulder pad. L. G. Lenseke. 2,438,930, Apr. 6.
- Shoulder pad. J. M. Piccinini. 2,438,072, Mar. 16.
- Shoulder-pad. I. de Satnick. 2,439,597, Apr. 13.
- Shoulder pad. F. Schulman. 2,439,991, Apr. 20.
- Shoulder pad. S. Schwartz. 2,440,121, Apr. 20.
- Shoulder pad. F. B. Zacks. 2,441,785, May 18.
- Shoulder pad and fabricating the same. S. Kagan and I. Rothenberg. 2,442,008, May 25.
- Shoulder pad assembly. B. V. Sturz. 2,445,646, July 20.
- Shoulder pad filler garment hanger. C. H. Nelson. 2,448,726, Sept. 7.
- Shoulder support for garment finishing apparatus, Adjust-able. J. H. Richa and F. E. Hanson. 2,454,977, Nov. 30.
- Shoulder weapon, Gas operated. J. W. Wechsler. 2,452,617, Nov. 2.
- Shovel, Endless tread tractor. E. M. Halbleib. 2,443,241; June 15.
- Shovel, Power. J. E. Conklin. 2,449,279, Sept. 14.
- Shovel, Snow. R. S. Shaw. 2,441,449, May 11.
- Shovel tooth. E. E. Robertson. 2,435,847, Feb. 10.
- Shovel, Tractor. R. L. Beyerstedt. 2,444,692, July 6.
- Shovel, Variable pitch power. W. A. Hilgeman. 2,443,537; June 15.
- Shoveling machine, Mechanical. C. E. Stoltz. 2,439,912, Apr. 20.
- Showerhead. J. Fraser. 2,448,792, Sept. 7.
- Shower unit, Portable. G. McCann. 2,454,518, Nov. 23.
- Shower unit, Portable. L. L. Werner. 2,457,190, Dec. 28.
- Shredding and shelled grain saving attachment for corn harvesters. A. E. W. Johnson. 2,443,039, June 8.
- Shrimp, Treating. E. R. Woodward. 2,451,897, Oct. 19.
- Shrinker apparatus, Vertical. J. L. Ferguson. 2,445,214, July 13.
- Shrouded elongated head multinozzle burner. A. E. Shorter. 2,435,638, Feb. 10.
- Shrouds on impellers, Assembling. A. M. Rockwell and A. H. Beaufriere. 2,438,867, Mar. 30.
- Shunt transformer, Movable magnetic. H. A. W. Klink-hamer. 2,450,732, Oct. 5.
- Shut-off and signalling apparatus, Power. L. W. Downey. 2,435,343, Feb. 3.
- Shutoff device for oil wells, Automatic. G. F. Turechek. 2,447,827, Aug. 24.
- Shutoff for tractors, Automatic. D. H. Claypool. 2,453,783, Nov. 16.
- Shutoff valve mechanism. R. D. McIntosh. 2,439,052, Apr. 6.
- Shutter. W. A. Pennow and E. W. Yungman. 2,449,503, Sept. 14.
- Shutter and lens combination for camera film holders, Coacting. W. E. Tait and A. W. Stellpflug. 2,446,200, Aug. 3.
- Shutter control device for moving picture apparatus. J. J. Broido and J. Weissbrodt. 2,445,288, July 13.
- Shutter dust cover. C. C. Fuerst. 2,443,159, June 8.
- Shutter for cameras, Focal-plane curtain. C. W. Crum-rine. 2,446,638, Aug. 10.
- Shutter for cameras, Sliding focal plane. J. J. Jones. 2,457,679, Dec. 28.
- Shutterless motion picture lens system. C. L. Tomlinson. 2,440,313, Apr. 27.
- Shutter mechanism. A. J. Bachelder and O. E. Wolff. 2,453,180, Nov. 9.
- Shutter operating and control mechanism, Photographic. J. Rabinowitz. 2,448,736, Sept. 7.
- Shutter, Photographic. C. W. Crumrine. 2,446,265, Aug. 3.
- Shutter releases for power-driven motion-picture cameras, Multiple and individual. M. E. Brown and N. F. Lehr. 2,453,301, Nov. 9.
- Shutter, Signal and searchlight. O. J. Zander. 2,439,330, Apr. 6.
- Shutter, Window screen. G. A. Borts. 2,435,381, Feb. 3.
- Shuttle. K. A. Gelpke. 2,436,356, Feb. 17.
- Shuttle. E. B. Tift. 2,434,819, Jan. 20.
- Shuttle car. R. M. Hippard. 2,439,001, Apr. 6.
- Shuttle car. A. L. Lee. 2,457,569, Dec. 28.
- Shuttle check. N. Lamarche. 2,436,310, Feb. 17.
- Shuttle eye, Self-threading. W. F. Daboll. 2,439,158, Apr. 6.
- Shuttle for carpet looms. I. B. Bassingdale. 2,439,594, Apr. 13.
- Shuttle, Loom. O. C. Williams. 2,445,899, July 27.
- Shuttle, Sewing machine. C. A. Newhall. 2,438,938, Apr. 6.
- Shuttle valve. O. A. Kehle. 2,440,478, Apr. 27.
- Side band modulation system, Single. H. W. G. Salinger. 2,444,534, July 6.
- Side rod attachment for trucks. E. Arrighi. 2,446,800, Aug. 10.
- Side-towed vehicle. C. L. Eksergian. 2,442,267, May 25.
- Siding tool. M. Rifenberg. 2,438,766, Mar. 30.
- Sifter top, Rotary. T. A. Ekstrom. 2,449,285, Sept. 14.
- Sight and latch for firearms, Rear. W. A. Schaich. 2,446,556, Aug. 10.
- Sight for firearms. H. F. Mossberg. 2,454,397, Nov. 23.
- Sight for firearms. E. C. Smith. 2,437,363, Mar. 9.
- Sight for firearms, Adjustable. G. F. Davis. 2,438,601, Mar. 30.
- Sight for firearms, Peep. B. Poe. 2,456,214, Dec. 14.
- Sight for firearms, Rear. H. F. Mossberg. 2,434,712, Jan. 20.
- Sight for small arms, Adjustable front. G. A. Wilson. 2,446,970, Aug. 10.
- Sight mount for shoulder arms, Telescope. L. E. Whitte-more. 2,451,266, Oct. 12.
- Sight, Telescopic. C. H. Meyer. 2,452,592, Nov. 2.
- Sign: See—
- Illuminated sign. Traffic or display sign.
- Sign and reflector therefor, Street. S. E. Gramer. 2,442,807, June 8.
- Sign for electric doorbell switches. D. E. Bennett. 2,447,226, Aug. 17.
- Signal: See—
- Audible time signal. Hospital bed signal.
- Automobile brake signal. Lamp box type direction signal.
- Automobile position sig-nal. Low-pressure tire signal.
- Curb guiding signal. Mailbox signal.
- Direction signal. Nonpositional line signal.
- Electric flood signal. Torque tool with ratchet signal.
- Highway signal. Highway warning signal. Vehicle turn signal.
- Signal and circuits therefor, Directional. B. F. Bailey. 2,456,242, Dec. 14.
- Signal and volume control for miniature radio ranges, Mechanical. C. W. Muller. 2,438,126, Mar. 23.
- Signal combination for cargo airplanes, Locking and safety. H. D. Fowler. 2,439,423, Apr. 13.
- Signal control system, Electronic fine and coarse. R. S. Edwards. 2,446,532, Aug. 10.
- Signal controller, Traffic actuated. A. O. Olafson. 2,448,113, Aug. 31.
- Signal device. F. A. Lancaster. 2,445,953, July 27.
- Signal device, Commercial phonograph. L. P. Petruschell. 2,456,592, Dec. 14.

- Signal device, Electrical drop. W. H. Campbell. 2,452,034, Oct. 26.
- Signal device for fishing tackle. K. D. Richards. 2,451,693, Oct. 19.
- Signal device for thermostatic switches. H. B. Fuge and J. W. Momberg. 2,439,338, Apr. 6.
- Signal device, Low brake pressure. J. D. Kennelly. 2,456,286, Dec. 14.
- Signal device or the like, Road. C. J. Wadsworth. 2,447,378, Aug. 17.
- Signal device, Stop light. J. Karow. 2,452,762, Nov. 2.
- Signal discharger, Hand. L. V. Whipple. 2,453,884, Nov. 16.
- Signal for airplanes, Stall indicating warning. G. H. Arnold. 2,454,587, Nov. 23.
- Signal for automobiles, Slow down. J. D. Chessrown. 2,442,971, June 8.
- Signal for motion-picture projection apparatus, Reel. J. G. Jackson. 2,433,908, Jan. 6.
- Signal for motor vehicles, Direction. H. Stephenson. 2,439,588, Apr. 13.
- Signal generator for testing the resolving power of cathode-ray tubes. M. E. Crost. 2,444,036, June 29.
- Signal impulses, Producing time modulated. G. Guanella and P. Guttinger. 2,451,824, Oct. 19.
- Signal indications for flying, Auditory tone. T. W. Forbes. 2,445,712, July 20.
- Signal lamp. E. E. Weber. 2,457,019, Dec. 21.
- Signal level control, Automatic. R. W. Sanders. 2,455,899, Dec. 7.
- Signal light, Toy highway traffic. L. L. Eyerkuess. 2,448,302, Aug. 31.
- Signal mechanism. W. J. Fant, Jr. 2,455,573, Dec. 7.
- Signal receiver and warning device. S. B. Cohn. 2,437,876, Mar. 16.
- Signal receiver tuning indicator. F. B. Stone. 2,451,584, Oct. 19.
- Signal recording, Electrolytic. C. J. Young. 2,453,484, Nov. 9.
- Signal reproducing system. J. Sharpe. 2,440,301, Apr. 27.
- Signal system. P. Sitzer. 2,447,037, Aug. 17.
- Signal system, Approach. G. W. Baughman. 2,454,687, Nov. 23.
- Signal system, Brake pressure responsive. J. D. Kennelly. 2,439,474, Apr. 13.
- Signal system, Door open. K. Zajc. 2,437,777, Mar. 16.
- Signal system employing polarized light. J. O'D. Shepherd. 2,457,502, Dec. 28.
- Signal system for refrigerators, Warning. R. D. Bean. 2,439,331, Apr. 6.
- Signal trainer. R. K. Forsyth. 2,452,449, Oct. 26.
- Signal transiating apparatus. A. Badmaieff. 2,445,990, July 27.
- Signal translating apparatus. W. R. Koch. 2,435,140, Jan. 27.
- Signal type torque indicating wrench. M. Hattan. 2,440,683, May 4.
- Signal type torque indicating wrench. M. Hattan. 2,442,359, June 1.
- Signal type torque indicating wrench. E. G. Hallett and A. C. Brown. 2,448,095, Aug. 31.
- Signal wheel ratchet pipe cutter. S. Sipsma and B. Askeris. 2,447,371, Aug. 17.
- Signaling. H. O. Peterson. 2,457,268, Dec. 28.
- Signaling and control system for carrier telephone trunk circuits. E. H. B. Bartelink. 2,454,498, Nov. 23.
- Signaling apparatus, Sound. I. C. Clement. 2,452,571, Nov. 2.
- Signaling apparatus, Telephone. B. J. Kucera. 2,457,046, Dec. 21.
- Signaling apparatus, Warning. G. M. Strickland and A. McGill. 2,440,453, Apr. 27.
- Signalling composition, Luminescent. A. Dinsley. 2,439,598, Apr. 13.
- Signaling device, Compressional wave. W. R. Harry. 2,435,587, Feb. 10.
- Signaling device, Emergency. M. Dwyer. 2,448,521, Sept. 7.
- Signaling device, Emergency day and night. M. Dwyer. 2,455,242, Nov. 30.
- Signaling device, Traffic. C. D. Ryder. 2,451,875, Oct. 19.
- Signaling mechanism, Audible electric. C. Miller. 2,442,611, June 1.
- Signaling mechanism for automobiles and other vehicles, Automatic. H. S. Davis. 2,446,870, Aug. 10.
- Signalling, Selective. H. S. Jones. 2,441,359, May 11.
- Signalling system. G. E. Atkins. Re. 23,057, Dec. 14.
- Signaling system. H. M. Bascom. R. F. Massonneau, B. Ostendorf, Jr., and W. T. Rea. 2,438,492, Mar. 30.
- Signaling system. M. C. Goddard. 2,444,039, June 29.
- Signaling system. A. P. Montgomery. 2,445,233, July 13.
- Signaling system. O. A. Shann. 2,450,997, Oct. 12.
- Signaling system. D. Silverman. 2,447,098, Aug. 17.
- Signaling system and training device for target tracking. O. Cesareo. 2,453,743, Nov. 16.
- Signaling system, Block entrance initiated train. L. Devaux. 2,447,497, Aug. 24.
- Signaling system, Electric. E. A. H. Bowsher, H. M. M. D'Assis-Fonseca, and H. J. Ward. 2,445,759, July 27.
- Signaling system, Electric. A. Brown and T. A. Marshall. 2,457,121, Dec. 28.
- Signaling system, Electric. E. M. S. McWhirter and H. J. Ward. 2,452,590, Nov. 2.
- Signaling system, Electric alarm. E. Cohrt. 2,454,775, Nov. 30.
- Signaling system, Electric impulse. R. E. Gray. 2,441,963, May 25.
- Signaling system, Electric selective. L. R. Frost. 2,454,967, Nov. 30.
- Signaling system for automobiles and other vehicles. H. S. Davis. 2,446,871, Aug. 10.
- Signalling system for radioactive well logging. S. Krasnow and L. F. Curtiss. 2,436,008, Feb. 17.
- Signaling system for two-way dialing over radio and carrier telephone circuits. E. H. B. Bartelink. 2,457,434, Dec. 28.
- Signaling system, Pulse. E. Labin and D. D. Grieg. 2,454,811, Nov. 30.
- Signaling system, Secret radio. D. Sarnoff. 2,455,443, Dec. 7.
- Signaling system, Selective. L. J. Bowne. 2,441,557, May 18.
- Signaling system, Selective. O. S. Field and S. N. Wight. 2,448,487, Aug. 31.
- Signalling system, Self-synchronous. G. Agins. 2,439,414, Apr. 13.
- Signaling system, Synchronous electric. J. L. Cooper and P. A. Heist. 2,442,997, June 8.
- Signaling system, Traffic. W. S. Halstead. 2,442,851, June 8.
- Signaling system, Traffic. P. Hinshelwood. 2,435,683, Feb. 10.
- Silencer. W. P. Mason. 2,448,382, Aug. 31.
- Silencer for firearms. B. Walker. 2,449,571, Sept. 21.
- Silencer, Spark arrester. R. B. Bourne, J. P. Tyskewicz, and A. E. Chase. 2,452,723, Nov. 2.
- Silencer, Valve. J. H. Bradshaw. 2,434,386, Jan. 13.
- Silhouette reproducing machine. L. A. Scholz. 2,445,041, July 13.
- Silica-magnesia catalyst and preparation thereof. D. J. Butterbaugh and Le R. U. Spence. 2,447,181, Aug. 17.
- Silica-zirconia catalysts and preparation. Le R. U. Spence, D. J. Butterbaugh, and D. G. Kundiger. 2,436,125, Feb. 17.
- Silicate plastics, Making. W. H. Adams, Jr., and H. H. Lebach. 2,447,725, Aug. 24.
- Silicon compounds in producing quartz coatings in a vacuum, Use of. J. D. Strong. 2,456,899, Dec. 21.
- Silicone compositions, Modified. H. F. Jones. 2,448,530, Sept. 7.
- Silicone grease and preparation. G. M. Hain and W. A. Zisman. 2,446,177, Aug. 3.
- Silicones and product thereof, Preparing. J. F. Hyde. 2,438,478, Mar. 23.
- Silk treatment. B. W. Rowland and D. Fronmuller. 2,439,221, Apr. 6.
- Sill brace and draft gear stop, Plate metal. W. F. Dietrichson and J. Christiansen. 2,444,637, July 6.
- Siloxane copolymers. J. F. Hyde. 2,456,783, Dec. 21.
- Silver brazing alloy containing indium. J. F. Polak. 2,456,593, Dec. 14.
- Silver catalysts. T. W. Evans. 2,446,132, July 27.
- Silver chloride articles, Production of welded. H. C. Kremers and R. E. Price. 2,454,462, Nov. 23.
- Silver from a high silver cyanide content bath, Electrodeposition of. J. S. Williams and W. R. Binal. 2,435,525, Feb. 3.
- Silver halide emulsion supersensitized with a α -cyloxy quinoline base, Photographic. B. H. Carroll and J. Spence. 2,450,748, Oct. 5.
- Silver halide emulsions sensitized by mixtures of high polyalkylene glycols and low polyhydric alcohols. R. K. Blake. 2,441,389, May 11.
- Silver halide emulsions, Stabilized. F. W. H. Mueller. 2,440,110, Apr. 20.
- Silver halide emulsions, Stabilized. F. W. H. Mueller. 2,440,206, Apr. 20.
- Silver sulfide coatings, Forming. C. W. Mell. 2,445,962, July 27.
- Silvering surfaces. R. A. Gaiser and P. T. Mattimoe. 2,439,654, Apr. 13.
- Simultaneous dimerization and reduction. R. M. Leekley. 2,439,308, Apr. 6.
- Singeing apparatus and method. R. R. Cone. 2,444,553, July 6.
- Single contact dial indicator. H. G. Magealsen. 2,455,076, Nov. 30.
- Single hook weedless fishing plug. E. A. Herring. 2,456,705, Dec. 21.
- Single-phase motor control switch. S. Noodleman. 2,442,207, May 25.
- Sink. M. J. Just. 2,456,065, Dec. 14.
- Sink and cabinet construction. C. L. Clark. 2,441,563, May 18.
- Sink mounting. H. D. Drain. 2,440,741, May 4.
- Sinker, Casting. R. B. Worden. 2,435,730, Feb. 10.
- Sinker for deep-sea and beach fishing. J. H. Flaughner. 2,457,358, Dec. 28.
- Sintering apparatus. A. W. Babb. 2,441,383, May 11.
- Sintering ores, Art of. R. L. Manegold and I. H. Wynne. 2,456,136, Dec. 14.
- Sinusoidal modulator. J. W. Bozeman. 2,445,204, July 13.
- Siphon and agitator, Tray. J. Rodack. 2,455,523, Dec. 7.

- Siphon pipe. L. E. Minges. 2,435,049, Jan. 27.
Siphoning air lift tube. R. D. Scattergood. 2,441,084, May 4.
- Siren, Mechanical. C. A. Persons and J. G. S. Robinson. 2,434,516, Jan. 13.
- Siren top. O. Thoresen. 2,456,341, Dec. 14.
- Sirups by solvent extraction, Purification of. P. J. Gaylor. 2,442,804, June 8.
- Sirups, Thermosetting laminating. E. M. Queeny. 2,451,410, Oct. 12.
- Sitz bath. S. F. Oliver. 2,450,607, Oct. 5.
- 6-(alpha-ethylpropyl)-2-thiouracil and preparation of the same. W. H. Miller. 2,447,465, Aug. 17.
- 6-cycloalkylmethyl-2-thiouracils. S. Archer. 2,444,024, June 29.
- Six heat pad. W. Bradford. 2,441,005, May 4.
- 6-methyl pteridines, Preparing. J. H. Boothe. 2,454,751, Nov. 23.
- Size gauging device. W. F. Aller. 2,448,653, Sept. 7.
- Sizes, Stabilization of rosin. E. N. Poor and K. L. Howard. 2,438,096, Mar. 16.
- Sizing machine, Steam. W. Kaplan. 2,457,476, Dec. 28.
- Skate clamp. A. A. Tolotti. 2,453,876, Nov. 16.
- Skate construction. L. A. Woolley. 2,451,601, Oct. 19.
- Skate, Convertible. J. W. Howard. 2,454,321, Nov. 23.
- Skate, Foot propelled. F. M. Bohler. 2,449,871, Sept. 21.
- Skate, Snow. E. Maybery. 2,439,311, Apr. 6.
- Skate wheel structure. D. E. Batesole. 2,440,650, Apr. 27.
- Skeletonized low reflectance glass surface with fluosilic acid vapor, Production of. F. H. Nicoll and F. E. Williams. 2,445,238, July 13.
- Ski attachment. W. Stanimir. 2,438,623, Mar. 30.
- Ski binding. K. G. Humlegard. 2,450,514, Oct. 5.
- Ski binding. E. L. Millard. 2,449,242, Sept. 14.
- Ski binding. J. H. Schieder. 2,450,526, Oct. 5.
- Ski binding. F. G. Tappé. 2,450,531, Oct. 5.
- Ski brake. C. Jonette. 2,456,002, Dec. 14.
- Ski, Composite wood and metal. C. K. Hoerle. 2,434,851, Jan. 20.
- Ski, Metal. C. K. Hoerle. 2,446,591, Aug. 10.
- Ski pole. J. Magder. 2,456,205, Dec. 14.
- Ski trainer and exerciser. C. A. Scriver. 2,455,274, Nov. 30.
- Skid. H. C. Lau. 2,448,447, Aug. 31.
- Skid runner attachment for vehicles. R. D. Stryker. 2,437,622, Mar. 9.
- Skimming device. J. J. Pluta, N. L. Mayer, and H. M. St. John. 2,435,696, Feb. 10.
- Skin-and-frame assemblies, Making. E. J. Sweeney. 2,451,783, Oct. 19.
- Skin graft transfer member. J. D. Reese. 2,442,433, June 1.
- Skinning machine. R. T. Townsend. 2,455,831, Dec. 7.
- Skinning machine, Frankfurter. J. V. Golden and F. H. Runz. 2,434,316, Jan. 13.
- Skirt, Adjustable. I. Sachs. 2,443,085, June 8.
- Skis, Baby carriage. G. M. Swain. 2,443,699, June 22.
- Skiver. G. W. Russell. 2,437,971, Mar. 16.
- Slabbing cakes. J. H. Sauter and J. E. Byrne. 2,456,327, Dec. 14.
- Slack adjuster, Air brake. E. L. Bowen. 2,436,850, Mar. 2.
- Slack or cuttings removing device for kerf-cutting machines. F. A. Lindgren. 2,445,957, July 27.
- Slag, Method and apparatus for production of expanded. W. L. Caldwell. 2,442,036, May 25.
- Slag, Method and apparatus for production of expanded. A. E. Meizner. 2,450,978, Oct. 12.
- Slat, Venetian. J. R. Marston. 2,447,706, Aug. 24.
- Slats for cotton harvesters, Spindle. J. D. Rust. 2,440,450, Apr. 27.
- Sled. R. J. Hassman. 2,447,700, Aug. 24.
- Sled. I. Shakowitz. 2,455,318, Nov. 30.
- Sled, Battle. J. W. O'Daniel. 2,448,545, Sept. 7.
- Sled, Hand. M. K. Benson. 2,446,452, Aug. 3.
- Sled, Heavy-duty. M. C. Caughrean. 2,442,918, June 8.
- Sled runner. M. O. Thompson. 2,453,767, Nov. 16.
- Sled, Single runner. W. Flajole. 2,443,348, June 15.
- Sleeping bag. J. Bookbinder. 2,442,192, May 25.
- Sleeping bag and tent, Combined. L. L. Laythe. 2,442,132, May 25.
- Sleeve and cuff assembly, Adjustable shirt. A. J. Wegener, Jr. 2,447,106, Aug. 17.
- Sleeve board having a lowered inoperative position and having a raised and locked operative position. M. Tronic. 2,451,259, Oct. 12.
- Sleeve construction for plug gauges, Guide. W. Graves. 2,454,159, Nov. 16.
- Sleeve for loop drier girls, Expanding. A. O. Hurxthal. 2,436,719, Feb. 24.
- Sleeve inserting device for valve bags. H. Peters and C. D. Pierson. 2,442,431, June 1.
- Sleeve nut coupling. G. V. Woodling. 2,438,529, Mar. 30.
- Sleeve stretcher or the like. M. Lopez. 2,454,395, Nov. 23.
- Sleeve, Tube coupling. G. V. Woodling. 2,434,975, Jan. 27.
- Sleeve valve engine. M. Lothrop. 2,452,583, Nov. 2.
- Sleeve valve internal-combustion engine. J. G. Kuhn. 2,444,103, June 29.
- Sleigh. D. W. Thompson. 2,437,767, Mar. 16.
- Slice receiving mechanism for reciprocating carriage slicing machines. C. L. Metzler. 2,438,937, Apr. 6.
- Slicer, Butter. R. R. Perkins. 2,457,716, Dec. 28.
- Slicer, Hand. D. A. Passarelli. 2,443,928, June 22.
- Slicer having a stationary wire grid and a reciprocating plunger, Potato. W. H. Schmitt. 2,450,740, Oct. 5.
- Slicer, including stationary horizontal and vertical knives and a reciprocating carriage, Potato. G. Masrob. 2,441,027, May 4.
- Slicer with swinging plural spaced knives, Food. C. E. Turnquist. 2,436,982, Mar. 2.
- Slicing, cutting, and core-removing machine. E. W. Bridge. 2,437,637, Mar. 9.
- Slicing, cutting, and core-removing machine. E. W. Bridge. 2,449,737, Sept. 21.
- Slicing device with a vertically reciprocating cutter. C. L. Slingerland. 2,438,304, Mar. 23.
- Slicing guide with pivoted guide member, Pastry. E. C. Hulsman. 2,434,566, Jan. 13.
- Slicing machine having multiple reciprocating blades, with a guard, Bread. H. Thomas. 2,436,703, Feb. 24.
- Slicing machine including a stationary cutting grid and a reciprocating plunger. C. F. Spang. 2,445,589, July 20.
- Slicing machine, including gangs of rotary disk knives, Bread. H. J. Criner. 2,456,866, Dec. 21.
- Slidable abutment rotary pump. J. P. Johnson. 2,452,467, Oct. 26.
- Slide assembly for machine tools. M. J. Schlitters. 2,435,849, Feb. 10.
- Slide assembly for machine tools. M. J. Schlitters. 2,449,327, Sept. 14.
- Slide fastener. A. M. Brown. 2,452,899, Nov. 2.
- Slide fastener. L. Brozek. 2,450,779, Oct. 5.
- Slide fastener. H. M. Frank. 2,440,007, Apr. 20.
- Slide fastener. M. Graboi. 2,440,086, Apr. 20.
- Slide fastener machine. S. Loew. 2,444,706, July 6.
- Slide mechanism, Filling feeler. J. Rinne and E. H. Ash-ton. 2,443,401, June 15.
- Slide mounting. T. M. Jablon. 2,439,390, Apr. 13.
- Slide rule. J. F. Ailinger. 2,445,464, July 20.
- Slide rule. I. S. Roberts. 2,449,954, Sept. 21.
- Slide rule, Cryptographic. R. M. Mitchell. 2,439,413, Apr. 13.
- Slide rule, Sewer design. I. Goldfien. 2,454,157, Nov. 16.
- Slide valve assembly for the fluid pressure power cylinders of duplex reciprocators. G. K. Johnstone. 2,437,854, Mar. 16.
- Slider for separable fasteners. A. Weber. 2,441,048, May 4.
- Slider for slide fasteners. O. Firing. 2,453,660, Nov. 9.
- Slider for slide fasteners. N. J. Poux. 2,448,192, Aug. 31.
- Slider for slide fasteners, Locking. J. B. Griffin and A. W. Hagan. 2,450,550, Oct. 5.
- Slider for sliding fasteners. E. Engel. 2,456,822, Dec. 21.
- Slider, Play. J. H. Buffum. 2,446,905, Aug. 10.
- Sliding antifriction bearing. H. K. Ferger. 2,452,117, Oct. 26.
- Sliding door lock. A. Vanderveld. 2,447,219, Aug. 17.
- Sliding door lock. A. Vanderveld. 2,448,748, Sept. 7.
- Sliding door mounting. D. Ramsey. 2,457,491, Dec. 28.
- Sliding game piece. L. P. Creasy. 2,444,810, July 6.
- Sliding gear lock. H. A. Land. 2,440,775, May 4.
- Sliding ladder jack. A. A. Russell. 2,438,791, Mar. 30.
- Sliding wall paper base trimmer. M. J. Rutledge. 2,437,896, Mar. 16.
- Sling. C. M. Zerr. 2,454,417, Nov. 23.
- Sling and making same. I. R. Mitchell. 2,442,175, May 25.
- Sling and making same, Braided. D. S. Robbins. 2,450,356, Sept. 28.
- Sling, Braided. D. S. Robbins. 2,450,355, Sept. 28.
- Sling guide for elongated articles, Lifting. T. S. De Cuir. 2,443,307, June 15.
- Sling, Loading. W. A. Bickell. 2,440,712, May 4.
- Slings, Making braided. D. S. Robbins. 2,448,463, Aug. 31.
- Slip. D. I. Klein. 2,434,112, Jan. 6.
- Slip, Child's. J. P. Shaw. 2,433,483, June 15.
- Slip-indicating system for electrically propelled locomotives. S. F. Weybrew. 2,436,341, Feb. 17.
- Slip-lasted shoes, Making. H. S. Lyness. 2,451,570, Oct. 19.
- Slip-ring and brush connection, Electric. E. M. Knudsen. 2,451,959, Oct. 19.
- Slip ring cutting machine. L. T. Schuler. 2,438,130, Mar. 23.
- Slip-ring structure. E. J. Jones. 2,453,073, Nov. 2.
- Slipper. C. H. Graves. 2,452,649, Nov. 2.
- Slipper with chenille surfacing. I. B. Witlin. 2,455,459, Dec. 7.
- Slit lens for sound reproduction apparatus. B. Horwitz. 2,443,004, June 8.
- Slitting and punching attachment for piece-end sewing machines. W. N. Hadley. 2,437,662, Mar. 9.
- Slitting machine. H. E. Van Derhoef and M. P. Davis. 2,448,934, Sept. 7.
- Slitting machine, Fabric. G. Zielinski. 2,441,378, May 11.
- Slot, Air tight mail. P. T. Gable and W. C. Weiss. 2,437,319, Mar. 9.
- Slot closer for dynamoelectric machines. A. E. B. Perrigo. 2,451,633, Oct. 19.
- Slot, Wing air. E. H. Polk. 2,438,942, Apr. 6.
- Slotting and tenoning machine. A. Boucher and L. Parveau. 2,450,181, Sept. 28.

- Sludge acid and activation of clays, Purification of. W. Gary. 2,446,273, Aug. 3.
- Sludge index for engine oils, Determining a. E. P. Lomasney. 2,450,603, Oct. 5.
- Sludge process and apparatus, High rate activated. J. A. Logan. 2,436,584, Feb. 24.
- Sludge settling and dewatering tank. C. B. Smith and H. L. Bullock. 2,447,286, Aug. 17.
- Sludge trap. R. S. Henry. 2,446,587, Aug. 10.
- Slurries to separate fibers from heavier particles, Treating liquid. J. D. Lyall. 2,450,901, Oct. 12.
- Slurry feeding apparatus. W. B. Klein. 2,446,373, Aug. 3.
- Slurry mixer. W. S. Whittle. 2,436,626, Feb. 24.
- Slushing compound for cartridge clips, Rust preventive. H. Schindler and P. T. Anderson. 2,453,816, Nov. 16.
- Small fractional horse power shaded pole synchronous motor. F. R. van der Woude. 2,435,911, Feb. 10.
- Small motor, particularly synchronous fractional horsepower motor. E. Weber, R. Pudelko, C. Bollmann, and H. Wermelle. 2,439,193, Apr. 6.
- Smelting furnace. D. Giles. 2,444,646, July 6.
- Smelting furnace. L. S. Longenecker. 2,440,374, Apr. 27.
- Smoke detector, Multiple. C. N. Cahusac and F. B. Allen. 2,437,071, Mar. 2.
- Smoke fume and gas ejector apparatus. R. B. Farrell. 2,436,038, Feb. 17.
- Smokehouse for fish and other foodstuff. A. L. Lyon. 2,452,016, Oct. 19.
- Smokehouse rack. G. Kaelin and C. G. Garey. 2,440,513, Apr. 27.
- Smoke jack. E. L. Wiseman. 2,439,353, Apr. 6.
- Smoker's pipe. A. E. Dietz. 2,454,436, Nov. 23.
- Smoker's pipe. D. P. Lavietes. 2,451,838, Oct. 19.
- Smoker's pipe case. P. C. Farmer. 2,442,487, June 1.
- Smoker's stand. L. Fischer. 2,437,226, Mar. 2.
- Smoking device. M. J. Doppelt. 2,440,396, Apr. 27.
- Smoking pipe. R. J. Miller. 2,441,714-15, May 18.
- Smoking pipe. O. M. Panner. 2,443,927, June 22.
- Smoking pipe. J. C. Shotton. 2,452,397, Oct. 26.
- Smoking pipe. E. J. Sonn. 2,437,763, Mar. 16.
- Smoking stand. C. J. Peart. 2,440,783, May 4.
- Snake and feeding device, therefor, Plumber's. C. J. Perry. 2,450,486, Oct. 5.
- Snap-action fluorescent light switch. M. Turkat. 2,452,507, Oct. 26.
- Snap action mechanism adapted for operating valves of steam engines. W. Hungate. 2,453,844, Nov. 16.
- Snap action thermal limit switch. H. Ulanet. 2,452,508, Oct. 26.
- Snap fastener. H. E. Hasenzahl. 2,439,000, Apr. 6.
- Snap lock device, Free-opening, nonclosing. W. H. Bloomberg. 2,453,299, Nov. 9.
- Snap switch. L. J. Kmiecik. 2,454,185, Nov. 16.
- Snap switch. H. D. Steinback. 2,441,924, May 18.
- Snares, Animal. R. S. Connor. 2,439,560, Apr. 13.
- Snatch block. C. B. Johnson. 2,449,703, Sept. 21.
- Snatch block. C. H. Rue. 2,449,718, Sept. 21.
- Snow fence machine. J. D. Smith. 2,446,494, Aug. 3.
- Snowplow. R. B. Bourne. 2,437,291, Mar. 9.
- Snowplow. L. DuPras. 2,436,956, Mar. 2.
- Snow vehicle. J. H. Porter. 2,440,785, May 4.
- Snubbed bolster car truck. C. D. Barrett and C. R. Whitehead. 2,446,506, Aug. 3.
- Snubbed trailing setting switch stand. O. F. Magnus. 2,449,239, Sept. 14.
- Snubber. F. E. Bachman. 2,447,305, Aug. 17.
- Snubber. W. L. Schlegel, Jr., and F. E. Bachman. 2,447,368, Aug. 17.
- Snubber, Cargo. D. B. McAulay. 2,444,055, June 29.
- Snubbing device for catapults. D. L. Weeks. 2,452,618, Nov. 2.
- Snubbing means. G. E. Dath. 2,439,925, Apr. 20.
- Snuffer, Cigarette. A. Jenni. 2,436,303, Feb. 17.
- Snuffer, Cigarette. F. H. Pelle. 2,443,709, June 22.
- Soaking, freezing, and drying by sublimation of untanned hides. W. M. Cutler. 2,438,150, Mar. 23.
- Soap composition, Nondusting, and making same. G. D. Miles. 2,456,437, Dec. 14.
- Soap compositions. E. R. White. 2,435,333, Feb. 3.
- Soap dispenser. W. P. Sykes. 2,446,967, Aug. 10.
- Soap feeder. G. C. Schmidt. 2,449,513, Sept. 14.
- Soap greases, Aluminum. F. J. Licata. 2,448,721, Sept. 7.
- Soap greases, Preparation of barium. E. A. Bergmann, H. V. Ashburn, and G. W. Eckert. 2,450,224, Sept. 28.
- Soap holder. J. J. Nemeth. 2,454,083, Nov. 16.
- Soapmaking process. G. B. Bradshaw. 2,452,724-5, Nov. 2.
- Soap powder dispenser. G. H. Packwood, Jr. 2,450,155, Sept. 23.
- Social and business card display, Cooperative. C. V. Berry. 2,437,415, Mar. 9.
- Sock drier. G. W. Fouke. 2,451,208, Oct. 12.
- Sock stretcher, Adjustable. S. Bersudsky. 2,453,183, Nov. 9.
- Sock support. O. K. Gjertsen. 2,457,363, Dec. 28.
- Socket connection for radio tubes. C. H. Sundell. 2,439,589, Apr. 13.
- Socket connections, Making electrical. E. A. Sprigg. 2,450,529, Oct. 5.
- Socket construction, Electric. T. G. Lefer. 2,454,069, Nov. 16.
- Socket, Electric. M. Goldberg. 2,439,385, Apr. 13.
- Socket, Electric. W. E. Hill and T. D. G. Wintle. 2,446,926, Aug. 10.
- Socket, Electric light. H. Lagin. 2,451,680, Oct. 19.
- Socket for fluorescent lamps. E. G. Gaynor. 2,447,801, Aug. 24.
- Socket for fluorescent tubes. C. E. Swanson. 2,454,017, Nov. 16.
- Socket for gaseous discharge lamps. S. Levenson. 2,457,780, Dec. 28.
- Socket for radio and like tubes, Tube. S. M. Del Camp. 2,451,538, Oct. 19.
- Socket for radio tubes, Shielded. R. B. McGee. 2,441,938, May 18.
- Socket, Lamp. G. H. Goble. 2,456,501, Dec. 14.
- Socket, Light. W. Majusick. 2,439,480, Apr. 13.
- Socket, Test. O. J. Morelock. 2,448,452, Aug. 31.
- Socket, Tube. C. Antony, Jr. 2,450,873, Oct. 12.
- Socket, Tube. W. M. Hicks. 2,454,173, Nov. 16.
- Sockets primarily for radio tubes and the like. D. Jackson. 2,453,014, Nov. 2.
- Sockets primarily for radio valves and the like. D. Jackson. 2,453,015, Nov. 2.
- Sodium aluminate solutions, Treatment of. J. W. Newsome, H. W. Heiser, and J. R. Wall. 2,440,378, Apr. 27.
- Sodium ascorbate, Making. W. A. Holland. 2,442,005, May 25.
- Sodium catalyst and preparation thereof, Supported. G. A. Mills. 2,456,525, Dec. 14.
- Sodium fluosilicate. L. C. Oakley, Jr. 2,447,359, Aug. 17.
- Sodium methyl arsenate, Manufacturing. G. E. Miller and S. G. Seaton. 2,442,372, June 1.
- Sodium percarbonate, The manufacturing of. V. W. Slater and W. S. Wood. 2,448,058, Aug. 31.
- Sodium tetrathionate, Producing. R. W. Crosley and A. L. Raymond. 2,439,720, Apr. 13.
- Sofa bed hinge structure. M. Fox and G. F. Hassel. 2,437,949, Mar. 16.
- Sofa bed hinge support. W. W. Wilson. 2,435,936, Feb. 10.
- Sofa construction, Adjustable. L. Pokorny and L. Pokorny, Jr. 2,445,241, July 13.
- Soft cushion lining for artificial dentures and process. A. A. Nelson. 2,446,298, Aug. 3.
- Solar still, Inflatable. A. E. Ushakoff. 2,455,834-5, Dec. 7.
- Solar water heater. E. E. Zideck. 2,448,648, Sept. 7.
- Solder. H. M. Boonen. 2,450,778, Oct. 5.
- Solder, Soft lead. G. H. Worrall. 2,439,068, Apr. 6.
- Soldering iron. F. C. Bitzenburger. 2,447,110, Aug. 17.
- Soldering iron. R. W. Hyde. 2,454,875, Nov. 30.
- Soldering iron. F. E. Walters. 2,438,525, Mar. 30.
- Soldering iron feeding attachment, Automatic. L. Pereira. 2,444,267, June 29.
- Soldering or welding implement. S. W. Warner. 2,449,521, Sept. 14.
- Soldering post for electronic equipment. W. J. Larkin. 2,436,756, Feb. 24.
- Soldering stand assembly. G. H. Norquist. 2,457,263, Dec. 28.
- Soldering tool. T. H. Truax and W. C. Cover. 2,442,152, May 25.
- Soldering with resin fluxes. L. R. Hill. 2,445,431, July 20.
- Sole attaching apparatus, Cement. M. Seymour. 2,449,151, Sept. 14.
- Sole for footwear. G. Supple. 2,440,705, May 4.
- Sole, Shoe. W. J. Lutey. 2,434,770, Jan. 20.
- Sole trimming and cutting machine. C. L. Flindt. 2,434,738, Jan. 20.
- Sole trimming machine. C. L. Flindt. 2,434,739, Jan. 20.
- Soles for cement attachment to shoe bottoms, Method and machine for use in preparing. H. C. Paulsen. 2,443,693, June 22.
- Solenoid and plunger, Nonchattering alternating current. H. Y. Fisher. 2,456,394, Dec. 14.
- Solenoid, Double-acting. R. M. Seibel. 2,446,855, Aug. 10.
- Solenoid with armature. J. G. Oetzel. 2,448,727, Sept. 7.
- Solenoid with plunger. W. Ernst. 2,436,992, Mar. 2.
- Solenoid with plunger. L. H. Snyder. 2,444,118, June 29.
- Solenoid with plunger. O. H. Wisegarver. 2,449,438, Sept. 14.
- Solenoid with plunger and latch. D. Conlan. 2,448,959, Sept. 7.
- Solenoids, magnets, and coils, and the protection of the winding thereof, Manufacture and construction of. O. I. Price. 2,444,469, July 6.
- Solid desiccating agent, Regenerating a. W. E. Perdw. 2,440,784, May 4.
- Solid fats in liquid fatty mixtures, Incorporating. B. S. Harrington. 2,446,178, Aug. 3.
- Solid particles and gaseous fluids, Contacting. C. E. Hemminger. 2,444,990, July 13.
- Solid polymer, Continuous process for making. P. J. Gaylor. 2,450,547, Oct. 5.
- Solid styrene polymer formation at low temperatures. W. J. Sparks, H. B. Kellog, and D. C. Field. 2,436,614, Feb. 24.
- Solid tetrachlorobutane, Preparation of. M. R. Radcliffe and C. E. Best. 2,445,729, July 20.
- Solidified particles from molten material, Method and apparatus for forming. J. T. Gow. 2,439,772, Apr. 13.

- Solids according to specific gravity, Centrifugal separation of. J. Harrington. 2,454,798, Nov. 30.
- Solids and gaseous fluids, Contacting. W. O. Taff. 2,440,620, Apr. 27.
- Solids and gases, Contacting. D. L. Campbell, H. Z. Martin, and C. W. Tyson. 2,451,803, Oct. 19.
- Solids and gases, Method of and apparatus for contacting. D. L. Campbell, H. Z. Martin, E. V. Murphree, and C. W. Tyson. 2,451,804, Oct. 19.
- Solids from fluids, Separation of suspended. B. M. Becker and J. McAfee. 2,448,135, Aug. 31.
- Solubilized alkaryl sulfonate composition. N. A. Shepard. 2,445,975, July 27.
- Soluble chemotherapeutics of the sulphanilamide group, Production of easily. O. Hübner. 2,442,602, June 1.
- Soluble polymers of unsaturated esters of polycarboxylic acids, Preparation of. J. K. Wagers and E. C. Shokal. 2,446,314, Aug. 3.
- Solution consisting of a polymeric N-vinyl pyrrole compound and chloroform. M. T. Orinik. 2,453,097, Nov. 2.
- Solution of cellulose, Making a. A. Buurman. 2,444,022, June 29.
- Solution of linear simultaneous equations, Automatic. G. W. Brown. 2,455,974, Dec. 14.
- Solution roller, Fountain. W. C. Toland and M. H. Hamilton. 2,453,735, Nov. 16.
- Solutions of cellulose triacetate and preparing the same. K. Famulener and R. P. Easton. 2,447,459, Aug. 17.
- Solutions of riboflavin. J. Charney. 2,449,640, Sept. 21.
- Solvent extraction of hydrocarbons. A. C. McKinnis. 2,437,357, Mar. 9.
- Solvent for degreasing iron and aluminum. W. Klabunde. 2,435,312, Feb. 3.
- Solvent for degreasing iron and aluminum. W. Klabunde. 2,436,772, Feb. 24.
- Solvent for rayon and rayon treating solution. C. L. Mantell. 2,434,621, Jan. 13.
- Solvents, Production of. H. R. Legatski. 2,442,011, May 25.
- Solvents, Production of. L. C. Morris. 2,455,601, Dec. 7.
- Solvents, Recovery of volatile. W. P. Heydorn. 2,435,781, Feb. 10.
- Sonic translating device. R. Black, Jr., and F. F. Romanow. 2,434,900, Jan. 27.
- Soot blower, Retractable. De L. E. Hibner and F. C. Arey. 2,441,112, May 4.
- Sorting apparatus. L. W. Bailey. 2,443,761, June 22.
- Sorting machine, Mail. I. Becker. 2,439,790, Apr. 20.
- Sorting machine, Punched card. K. J. Braun. 2,454,628, Nov. 23.
- Sorting machine, with endless conveyor gauging slots. L. Kerian. 2,441,154, May 11.
- Sound deadener drawer. G. L. C. Earle. 2,449,207, Sept. 14.
- Sound device for toy airplanes. B. P. Watts. 2,436,705, Feb. 24.
- Sound pickup unit. W. C. Eddy. 2,439,459, Apr. 13.
- Sound producer and receiver. E. E. Turner, Jr. 2,452,086, Oct. 26.
- Sound producing device, Pneumatic. W. C. Eaves. 2,434,842, Jan. 20.
- Sound projecting apparatus. W. C. Eaves. 2,435,535, Feb. 3.
- Sound record manufacture. C. Eddison. 2,446,578, Aug. 10.
- Sound recording and reproducing control system. F. W. Roberts and R. C. Curtis. 2,444,676, July 6.
- Sound recording and reproducing, Magnetic. S. J. Begun. 2,422,970, Feb. 10.
- Sound recording device. H. Fletcher, J. F. Müller, and K. D. Swartzel, Jr. 2,436,384, Feb. 24.
- Sound recording method and system, Variable system. E. W. Kellogg. 2,445,832, July 27.
- Sound reproducer, Electropneumatic. W. C. Eaves. 2,435,534, Feb. 3.
- Sound reproducing, Control mechanism for. F. Van Eps. 2,440,420, Apr. 27.
- Sound reproducing device. J. F. Marquis. 2,439,665, Apr. 13.
- Sound reverberating device. J. D. Stack. 2,437,445, Mar. 9.
- Sound suppressor. W. P. Mason. 2,442,773, June 8.
- Sound translating head, Magnetic. L. B. Cornwell. 2,456,388, Dec. 14.
- Sound transmission control system. C. B. McCulloch. 2,455,691, Dec. 7.
- Sound-trapping muffler construction. C. Strachan. 2,445,045, July 13.
- Sounding device. C. J. Clarke. 2,438,332, Mar. 23.
- Soup and the like and production, High fat ingredients for. C. G. Harrel and R. O. Brown. 2,440,604, Apr. 27.
- Soybean protein-phenolic resin adhesive and product, Making. R. H. Hieronymus. 2,441,946, May 25.
- Soy whip. A. C. Beckel, L. I. De Voss, P. A. Belter, and A. K. Smith. 2,444,241, June 29.
- Space charge device, Electric. L. H. Smith. 2,454,757, Nov. 23.
- Space discharge device. W. C. Brown. 2,437,240, Mar. 9.
- Space discharge voltage regulation circuit. J. M. Eglin. 2,443,534, June 15.
- Space miser clothes rack. B. P. Hermes. 2,434,242, Jan. 13.
- Spacer. K. W. Hildenbrand. 2,446,589, Aug. 10.
- Spacer and protector for yarn-holding devices. H. C. Wolfenden. 2,437,987, Mar. 16.
- Spacing mechanism for typewriting machines, Variable. C. T. Jackson. 2,439,470, Apr. 13.
- Spacing table. L. C. Beatty. 2,452,285, Oct. 26.
- Spangle slinging machine. C. W. Mueller. 2,436,759, Feb. 24.
- Spark arrester frame for locomotives. B. H. Pedigo. 2,438,862, Mar. 30.
- Spark gap. H. Benioff. 2,435,571, Feb. 10.
- Spark gap. J. E. Gorham and H. A. Zahl. 2,449,552, Sept. 21.
- Spark gap. F. L. Jones. 2,449,967, Sept. 21.
- Spark gap. F. L. Jones. 2,457,102, Dec. 21.
- Spark gap. H. E. Oles. 2,440,154, Apr. 20.
- Spark gap, Coaxial. E. M. Willer. 2,436,845, Mar. 2.
- Spark gap device. E. R. Capita. 2,448,576, Sept. 7.
- Spark-gap device and electrode therefor. H. J. Sullivan and E. G. F. Arnott. 2,456,900, Dec. 21.
- Spark-gap device, Unitary multiple. E. G. F. Arnott and C. E. Dawley. 2,456,855, Dec. 21.
- Spark gaps and products thereof, Making. H. E. Oles. 2,440,153, Apr. 20.
- Spark plug. H. W. Andersen. 2,442,945, June 8.
- Spark plug. L. H. Middleton and D. H. Stoltenberg. 2,437,205, Mar. 2.
- Spark plug. P. T. Nims and A. Chadkewicz. 2,442,858, June 8.
- Spark plug. M. Perelles. 2,436,973, Mar. 2.
- Spark plug. D. E. Replogle. 2,448,193, Aug. 31.
- Spark plug. F. J. Wolff. 2,445,704, July 20.
- Spark plug and making the same. T. Tognola and L. H. Segall. 2,453,043, Nov. 2.
- Spark plug cover. M. S. Hook. 2,446,007, July 27.
- Spark plug display holder. J. F. Lewis, Jr. 2,442,980, June 8.
- Spark plug electrode. T. G. McDougal. 2,449,403, Sept. 14.
- Spark plug electrode structure. T. Tognola. 2,439,590, Apr. 13.
- Spark plug manufacture. D. H. Corbin. 2,446,908, Aug. 10.
- Spark plug tester. C. J. Snider. 2,434,969, Jan. 27.
- Spark plugs, Making. H. Rabazzana. 2,437,209, Mar. 2.
- Spark timer for hammers. V. W. Breitenstein and R. F. Ingebretsen. 2,442,284, May 25.
- Sparkling device. C. R. Flint. 2,451,482, Oct. 19.
- Sparkling plug. P. E. Halstead. 2,436,644, Feb. 24.
- Spatter. H. S. Rauh. 2,441,373, May 11.
- Spatter prevention, Welding. L. Grundner. 2,446,922, Aug. 10.
- Spear and hook, Fish. J. Lapsensohn. 2,455,784, Dec. 7.
- Spear, Fish. J. B. Frederiksen. 2,442,974, June 8.
- Specific gravity indicator. K. Fischer. 2,437,247, Mar. 9.
- Spectacle case. P. Mittell. 2,440,552, Apr. 27.
- Spectacle case. G. Swikart. 2,446,966, Aug. 10.
- Spectacle lens mounting. J. J. Rohrbach. 2,436,606, Feb. 24.
- Spectacles. F. C. P. Henroteau. 2,437,642, Mar. 9.
- Spectacles with readily removable lenses. G. S. Small. 2,452,159, Oct. 26.
- Spectograph, Cathode-ray tube. R. Feldt and C. Berkeley. 2,444,560, July 6.
- Spectrograph, Plural grating. P. F. Swings. 2,453,164, Nov. 9.
- Spectrographic pin stand. E. J. Dunn. 2,438,158, Mar. 23.
- Spectrometer system, Mass. A. Nier and E. P. Ney. 2,456,426, Dec. 14.
- Spectrometry, Mass. H. W. Washburn. 2,444,968, July 13.
- Speed and odometer indicating device. B. Walker. 2,449,155, Sept. 14.
- Speed burning attachment for hand torches, Constant. H. U. Millett. 2,442,505, June 1.
- Speed control apparatus. R. L. Wilson. 2,438,983, Apr. 6.
- Speed control by means of tuning forks. W. E. Stewart. 2,439,065, Apr. 6.
- Speed control device for motor vehicles. P. J. Burchett. 2,450,113, Sept. 28.
- Speed control for dynamoelectric apparatus. R. L. Jaeschke. 2,449,779, Sept. 21.
- Speed control for motive devices. C. Mott, A. F. Chouinard, and R. L. Harding. 2,442,013, May 25.
- Speed control, Grinder. V. W. Bunker. 2,454,988, Nov. 30.
- Speed controlled motor-driven gate. C. R. Beall. 2,451,373, Oct. 12.
- Speed device. C. A. Girod. 2,457,458, Dec. 28.
- Speed differential detecting apparatus. C. M. Hines and C. D. Stewart. 2,452,191, Oct. 26.
- Speed drive for compressors, Variable. W. E. Trumpler. 2,441,855, May 18.
- Speed governing mechanism. J. F. Taplin. 2,447,779, Aug. 24.
- Speed governor. R. R. Lobosco. 2,437,301, Mar. 9.
- Speed indicator. P. J. Browncombe. 2,441,468, May 11.
- Speed indicator. G. F. Tagg. 2,448,668, June 22.
- Speed power transmission, Automatically adjustable. R. M. Hughey. 2,443,038, June 8.
- Speed ratio control. R. D. McComb. 2,443,048, June 8.
- Speed regulator. G. E. Howard. 2,430,010, June 29.
- Speed regulator. P. Kemeny. 2,438,703, Mar. 30.
- Speed responsive apparatus. L. Hammond and J. M. Hanert. 2,439,295, Apr. 6.

- Speed responsive clutch. F. O. Eaton. 2,452,111, Oct. 26.
 Speed responsive limit control. C. R. Hanna and S. J. Mikina. 2,442,001, May 25.
 Speed synchro unit, Dual. H. J. Kent. 2,448,374, Aug. 31.
 Speedometer, Absolute aircraft. M. Morrison. 2,446,845, Aug. 10.
 Speedometer, Boat. R. C. Colpaert. 2,449,590, Sept. 21.
 Speedometer switch. J. Fairhurst. 2,433,895, Jan. 6.
 Spherical adsorbent particles, Preparation of. J. A. Pierce and C. N. Kimberlin, Jr. 2,454,942, Nov. 30.
 Spherical and chromatic aberrations in electron lens, Correction for. E. G. Ramberg. 2,444,710, July 6.
 Spherical hydrogel catalysts, Drying. C. N. Kimberlin, Jr., and J. A. Pierce. 2,443,462, June 15.
 Spherical particles, Manufacture of. G. M. Webb and R. W. Moehl. 2,442,884, June 8.
 Spheroidal catalysts, Preparation of. H. T. Brown and R. V. Shankland. 2,450,394, Sept. 28.
 Spheroidal silica-alumina gel particles, Preparation of. M. M. Marisic. 2,449,664, Sept. 21.
 Sphygmomanometer cuff, inflatable tourniquet or the like and forming the same. J. D. Hanafin. 2,444,161, June 29.
 Sphygmomanometers. C. B. Rohr. 2,437,861, Mar. 16.
 Spice, Preparing synthetic. G. H. Rapaport. 2,449,411, Sept. 14.
 Spigot, Sanitary bottle. S. Nellson. 2,440,112, Apr. 20.
 Spill port control for free-piston units. A. Kalitinsky. 2,441,272-3, May 11.
 Spindle adapter. J. C. Renfro. 2,457,273, Dec. 28.
 Spindle bearing for machine tools. A. Bechler. 2,453,182, Nov. 9.
 Spindle brake. R. Hargreaves and A. O. Roy. 2,449,773, Sept. 21.
 Spindle for milling machines. E. Bugatti. 2,434,639, Jan. 20.
 Spindle for textile mill use. H. Gleitz and C. E. Miller. 2,447,854, Aug. 24.
 Spindle, Honing. A. F. Wedge and H. T. Bidwell. 2,455,841, Dec. 7.
 Spindle, Picker. S. W. La Roque. 2,452,771, Nov. 2.
 Spindle positioning mechanism. E. J. Rivoira. 2,441,291, May 11.
 Spindle reversing device for drill presses. P. M. Lloyd. 2,451,756, Oct. 19.
 Spindle stop, Lathe. G. Knox. 2,450,004, Sept. 28.
 Spindle structure, Cotton picker. D. B. Baker. 2,440,767, May 4.
 Spinner. S. Nalick. 2,438,817, Mar. 30.
 Spinner control mechanism. J. C. Van Riper. 2,449,630, Sept. 21.
 Spinner device, Chance. J. H. Biehl. 2,449,762, Sept. 21.
 Spinner for steering wheels and the like. J. H. Deer. 2,441,061, May 4.
 Spinneret. D. E. Wicker. 2,447,994, Aug. 24.
 Spinning apparatus. P. R. Powell. 2,454,203, Nov. 16.
 Spinning apparatus, Dry. A. J. Mehler, Jr. 2,451,854, Oct. 19.
 Spinning artificial filamentous products, Method and apparatus for. E. D. Copson and R. J. Taylor. 2,457,350, Dec. 28.
 Spinning artificial filaments, Method and apparatus for. W. H. Furness. 2,453,839, Nov. 16.
 Spinning cotton and other textile fibers, Method of and apparatus for. M. S. Mayo. 2,451,504, Oct. 19.
 Spinning device, Mule. R. A. Gard. 2,442,724-5, June 1.
 Spindling devices. E. M. and C. E. Barnes. 2,441,384, May 11.
 Spinning frame and method. J. T. Drennen. 2,442,761, June 8.
 Spinning frame control. D. R. Neely. 2,445,687, July 20.
 Spinning high tenacity viscose rayon. G. M. A. Kayser. 2,452,130, Oct. 26.
 Spinning machine. D. W. Maxham. 2,453,802, Nov. 16.
 Spinning machine. E. Weiss. 2,449,431, Sept. 14.
 Spinning means and method. E. H. Jackson, Jr. 2,454,323, Nov. 23.
 Spinning ring. G. E. Platzer. 2,452,323, Oct. 26.
 Spinning solution and making it. W. O. Israel. 2,440,094, Apr. 20.
 Spinning top. G. A. Geddes. 2,454,918, Nov. 30.
 Spinning, twisting, and analogous machine, Centrifugal. F. Wright. 2,450,622, Oct. 5.
 Split level. F. M. and W. P. Holloway. 2,453,091, Nov. 2.
 Splice, Belt. G. Walters. 2,441,460, May 11.
 Splice, Cable. R. N. Mowery. 2,437,358, Mar. 9.
 Splice for conductors and splicing conductors. J. E. Lodge. 2,435,284, Feb. 3.
 Splice for grating structures. B. A. Prince. 2,443,801, June 22.
 Splicer, Film. W. C. De Vry. 2,446,576, Aug. 10.
 Split and guard construction. J. R. Siebrandt. 2,435,850, Feb. 10.
 Split, Clavicle. F. W. Peterson and O. S. Kirschner. 2,450,298, Sept. 28.
 Split, Heel bone traction. L. E. Hansberry. 2,438,664, Mar. 30.
 Splint, Surgical. H. G. McCarty. 2,440,964, May 4.
 Splint, Traction. P. H. Henderson. 2,454,319, Nov. 23.
 Splitter remover. J. E. Towns. 2,451,994, Oct. 19.
 Split roll for briquetting machines or the like. G. M. Dallas and B. M. Fine. 2,453,980, Dec. 14.
 Splitter and planer head, Rotary cylindrical. G. P. Kelton. 2,449,605, Sept. 21.
 Splitter, Bean and pea pod. G. D. Evernden. 2,446,749, Aug. 10.
 Splitting machine. C. E. Johnson. 2,452,128, Oct. 26.
 Sponge polychloroprene rubber, Manufacture of. N. A. Klomp. 2,457,684, Dec. 28.
 Sponge rubber garment product. A. C. Fischer. 2,457,219, Dec. 28.
 Sponge rubber, Manufacture of. W. J. Clayton and P. V. Butsch. 2,444,869, July 6.
 Sponson, Retractable. W. A. Bortner. 2,448,075, Aug. 31.
 Spool. F. J. Lenox. 2,434,363, Jan. 13.
 Spool adapter for rope layers or stranding machines. M. McKosky. 2,452,255, Oct. 26.
 Spool ejecting and sizing mechanism for winding machines. E. K. Whitener, T. G. Gilreath, L. A. Saunders, and J. S. Elmore. 2,442,157, May 25.
 Spool for fishing reels. S. G. Hirsch. 2,438,440, Mar. 23.
 Spool or bobbin. G. B. Markle, Jr. 2,452,383, Oct. 26.
 Spool support. L. P. Musso. 2,445,534, July 20.
 Spoon and lid for containers, Combined. R. C. Wilson. 2,453,393, Nov. 9.
 Spoon leader. B. E. Eichendorff. 2,449,692, Sept. 21.
 Spoon, Medicine administering. A. G. McNeill. 2,453,525, Nov. 9.
 Spoon, shovel, or the like implement with a pusher member. A. W. Tanner. 2,435,805, Feb. 10.
 Sport coat or the like, Composite. B. V. Sturz. 2,441,122, May 4.
 Sports vehicle. O. Züllig. 2,437,903, Mar. 16.
 Spotlight, Extension. H. R. and G. T. McClellan. 2,443,009, June 8.
 Spotlight. H. Handler. 2,437,522, Mar. 9.
 Spotlight, Automotive. R. T. Larson. 2,454,931, Nov. 30.
 Spotlight, Bicycle. C. C. Knitter. 2,449,782, Sept. 21.
 Spot removing machine. F. H. Castoe. 2,444,728, July 6.
 Spot weld tip with replaceable insert. L. W. Cornwall. 2,440,463, Apr. 27.
 Spot welding apparatus. F. B. Yingling. 2,439,233, Apr. 6.
 Spot-welding machine. B. Stoudt. 2,441,043, May 4.
 Spot-welding mechanism. J. W. Dawson. 2,435,577, Feb. 10.
 Spot welding metal keys to metal can ends. N. H. Goldsworthy. 2,450,655, Oct. 5.
 Spotting board. D. O. Goodwin. 2,434,404, Jan. 13.
 Spotting material, Glass cloth. E. C. Pfeffer, Jr. 2,455,802, Dec. 7.
 Spout, Antidrip pouring. R. J. Kemper. 2,442,047, May 25.
 Spout for refrigerator cars, Drain. J. A. Schroeder and H. N. Juel. 2,441,292, May 11.
 Sprag. I. J. Gruenberg. 2,453,506, Nov. 9.
 Spray booth. A. R. Clark and R. J. Kittle. 2,449,203, Sept. 14.
 Spray coating machine. K. Potthoff. 2,434,176, Jan. 6.
 Spray controlling means, Lard. R. M. Mero. 2,453,527, Nov. 9.
 Spray cooling apparatus for milk cans. D. Donnelly. 2,455,162, Nov. 30.
 Spray device for projecting molten particles. L. M. Simonsen. 2,436,335, Feb. 17.
 Spray device, Lithograph. L. B. Goda, Sr. 2,440,084, Apr. 20.
 Spray machine, Paint. E. O. Norris. 2,441,327, May 11.
 Spray mechanism, Liquid rotor. N. C. Christensen. 2,448,297, Aug. 31.
 Spray operating mechanism. A. D. Goodwin. 2,453,368, Nov. 9.
 Sprayer. S. F. Potts and R. A. Spencer. 2,454,339, Nov. 23.
 Sprayer, Boom. I. S. Prescott. 2,444,367, June 29.
 Sprayer, Nasal. J. F. Hunter. 2,448,803, Sept. 7.
 Spraying apparatus. A. P. Ball. 2,438,471, Mar. 23.
 Spraying device for fibrous material. J. L. Kempthorne. 2,442,206, May 25.
 Spraying, Method and apparatus for. N. C. Christensen. 2,454,594, Nov. 23.
 Spreader and dispenser, Bobby pin. R. P. Sharp, Sr. 2,439,870, Apr. 20.
 Spreader, Concrete. J. P. Faber. 2,438,159, Mar. 23.
 Spreader, Concrete. J. P. Faber. 2,439,620, Apr. 13.
 Spreader, Flange. A. C. Grant. 2,444,097, June 29.
 Spreader, Floor paste wax. A. Corréa. 2,438,843, Mar. 30.
 Spreader stoker apparatus. S. H. Chapman. 2,434,261, Jan. 13.
 Spreader, Tire bead. H. T. Kraft. 2,451,097, Oct. 12.
 Spreading tool. E. B. Johnson. 2,443,824, June 22.
 Spring: See—
 Bed spring. Rivet set retainer spring.
 Crib spring. Truck bolster spring.
 Helical spring. Vehicle spring.
 Leaf spring.
 Spring and check, Door. B. L. Mallory. 2,441,278, May 11.
 Spring and friction shock absorber, Combined. G. E. Dath. 2,441,620, May 18.

- Spring back rest, Pivoted. R. A. and H. W. Cramer, and R. A. Cramer, Jr. 2,437,940, Mar. 16.
- Spring band. A. Benjamin. 2,452,286, Oct. 26.
- Spring colling machine embodying a change speed mechanism. E. W. Halvorsen. 2,455,863, Dec. 7.
- Spring construction. J. O. La Fond. 2,454,703, Nov. 23.
- Spring edge construction, Upholstery. A. M. Bank. 2,439,789, Apr. 20.
- Spring for focal plane shutters, Booster. R. T. Jackson. 2,444,446, July 6.
- Spring for securing electrical units, Glass. H. R. Dillon. 2,441,234, May 11.
- Spring hanger. A. B. Donkersley and J. R. Welshman. Re. 22,980, Mar. 9.
- Spring heel for footwear. H. H. Smith. 2,454,951, Nov. 30.
- Spring holding device for vehicles. F. L. Dahleen. 2,454,996, Nov. 30.
- Spring loaded safety valve. J. L. Corcoran. 2,443,851, June 22.
- Spring means for minimizing undulations in suspension bridges. M. R. Wolfard. 2,457,427, Dec. 28.
- Spring opened index. S. I. Berger. 2,446,900, Aug. 10.
- Spring removing and replacing tool. J. C. Feingold. 2,441,696, May 18.
- Spring structure for mattress, cushions, or the like. L. S. Wallis. 2,445,375, July 20.
- Spring supported rocking chair. W. J. La Valliere. 2,454,932, Nov. 30.
- Spring suspension. C. P. Pond. 2,445,295, July 13.
- Spring suspension for motorbuses or like vehicles. L. H. Baghuis. 2,447,679, Aug. 24.
- Spring suspension for vehicles. J. J. Low. 2,448,224, Aug. 31.
- Spring unit. V. Willoughby. 2,446,164, July 27.
- Spring winding device. W. Altenburg. 2,436,707, Feb. 24.
- Sprinkler head, Lawn. H. R. Goddard. 2,446,918, Aug. 10.
- Sprinkler control. J. D. Spence. 2,437,764, Mar. 16.
- Sprinkling hose support. C. B. Day. 2,439,684, Apr. 13.
- Sprocket, Two-part. W. P. Oehler. 2,451,690, Oct. 19.
- Sprouting beans. H. K. Lee. 2,436,652, Feb. 24.
- Sprouting of buds. F. E. Denny. 2,450,036, Sept. 28.
- Spur. G. N. Smith. 2,454,228, Nov. 16.
- Sput connection. J. Henchert. 2,455,767, Dec. 7.
- Square, Combination. J. E. Streets, Jr. 2,446,561, Aug. 10.
- Square, Mechanic's. E. I. King. 2,448,440, Aug. 31.
- Square wave generator. R. C. Webb. 2,440,992, May 4.
- Squaring device. R. C. Ferguson. 2,443,788, June 22.
- Squeegee with blade-holding grip responsive to handle setting. J. Kind. 2,440,099, Apr. 20.
- Stabilization of alkylene glycols. E. C. Britton and A. R. Sexton. 2,441,793, May 18.
- Stabilization of amines with 2-alkyl-4-alkoxyphenols. J. A. Chenicek and R. H. Rosenwald. 2,442,457, June 1.
- Stabilization of dichlorobutadiene resins. G. P. Rowland, Jr. and R. J. Reid. 2,445,739, July 20.
- Stabilization of furan. H. B. Copelin. 2,436,764, Feb. 24.
- Stabilization of mercaptans. C. J. Pedersen. 2,443,835, June 22.
- Stabilization of oxidized aromatic hydrocarbons. E. J. Lorand and J. E. Reese. 2,438,125, Mar. 23.
- Stabilization of photographic emulsions. W. L. Brice. 2,448,857, Sept. 7.
- Stabilization of photographic prints with thiophenols. Nov. 9.
- Stabilization of polyesters. D. A. Rothrock, Jr., and R. F. Conyne. 2,437,046, Mar. 2.
- Stabilization of polyesters from dihydric alcohols and both saturated and unsaturated dicarboxylic acids. D. A. Rothrock, Jr., and R. F. Conyne. 2,437,232, Mar. 2.
- Stabilization of polyvinyl butyral resins. G. S. Stamatoff. 2,456,462, Dec. 14.
- Stabilization of processed photographic emulsions of high temperatures and humidities. H. D. Russell. 2,453,346, Nov. 9.
- Stabilization of rubber-like copolymers with reaction products of sulfur dichloride, and aldehyde, and a phenol. G. W. Gottschalk. 2,445,736, July 20.
- Stabilization of shell eggs. W. R. and G. M. Hearst. 2,438,168, Mar. 23.
- Stabilization of tetraalkyl lead and compositions containing the same. H. Von Bramer and A. C. Ruggles. 2,436,838, Mar. 2.
- Stabilization of unsaturated ketones. H. Dannenberg. 2,444,006, June 22.
- Stabilized abletyl materials and making the same. S. Yolles. 2,441,231, May 11.
- Stabilized dinitroethane and process. C. W. Scaife. 2,441,773, May 18.
- Stabilized fat compositions. P. Gyorgy, M. B. Williamson, and E. T. Stiller. 2,456,937, Dec. 21.
- Stabilized hypochlorite solutions and process therefor. J. Kamlet. 2,438,781, Mar. 30.
- Stabilized lecithin. W. J. Fitzpatrick. 2,444,984, July 13.
- Stabilizer, Airflow. W. S. Diehl. 2,451,479, Oct. 19.
- Stabilizer for aircraft, Torque. N. F. McGaffey. 2,436,521, Feb. 24.
- Stabilizer for alternating-current line regulators. P. H. Odessey. 2,436,822, Mar. 2.
- Stabilizer for double hung windows. A. Larson. 2,446,014, July 27.
- Stabilizer for kites, Dive. A. Marshall. 2,451,571, Oct. 19.
- Stabilizer for moineau pumps, Coupling. J. B. Wade. 2,456,227, Dec. 14.
- Stabilizer for saw filing machines, Saw. S. B. and L. M. Underwood. 2,456,847, Dec. 21.
- Stabilizer for spring mounted vehicles. G. Maxon, Jr. 2,438,571, Mar. 30.
- Stabilizer, Steering. A. F. Ross. 2,448,468, Aug. 31.
- Stabilizer, Tire pressure. E. R. Sage. 2,439,188, Apr. 6.
- Stabilizer, Voltage. T. T. Short. 2,442,214, May 25.
- Stabilizers for photographic emulsions. N. Heimbach. 2,444,607, July 6.
- Stabilizers for photographic emulsions. N. Heimbach and W. Kelly, Jr. 2,444,605-6, July 6.
- Stabilizers for photographic silver-halide emulsions. N. Heimbach and R. H. Clark. 2,444,609, July 6.
- Stabilizers for photographic silver-halide emulsions. N. Heimbach and W. Kelly, Jr. 2,444,608, July 6.
- Stabilizers for vinyl polymers. La V. E. Cheyney and C. R. Parks. 2,435,769, Feb. 10.
- Stabilizing against shrinkage textile materials of regenerated cellulose. E. C. Pfeffer, Jr., and J. Epelberg. 2,436,076, Feb. 17.
- Stabilizing beer against radiation deterioration. E. C. Uihlein and J. W. Lawrie. 2,452,968, Nov. 2.
- Stabilizing devices for resilient structures. M. R. Wolfard. 2,457,425, Dec. 28.
- Stabilizing inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,577, Dec. 14.
- Stabilizing inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,578, Dec. 14.
- Stabilizing iron. C. W. Werner. 2,453,390, Nov. 9.
- Stabilizing methyl-substituted polysiloxanes. C. A. Burkhard and W. I. Patnode. 2,437,501, Mar. 9.
- Stabilizing treating of inorganic oxide gels against wetting. E. A. Bodkin and J. W. Payne. 2,456,576, Dec. 14.
- Stable colloidal solutions of metal sulfides, Preparing. F. F. Schwartz. 2,448,740, Sept. 7.
- Stable dyes, Photochemical preparation of. L. Chalkley. 2,441,561, May 18.
- Stable emulsions of resinous materials, Making. H. M. Collins. 2,443,893, June 22.
- Stable polyvinyl acetate emulsions and making same. H. M. Collins and G. O. Morrison. 2,444,396, June 29.
- Stable solutions of calcium ascorbate. W. Karrer. 2,442,461, June 1.
- Stack. C. F. Wait. 2,437,771, Mar. 16.
- Stack for furnaces. W. G. Young. 2,435,172, Jan. 27.
- Stacked article dispenser. H. L. Hilton, H. C. Hilton, and H. L. Hargett. 2,445,930, July 27.
- Stacked electrode assembly for electron discharge devices. W. S. Brian. 2,441,792, May 18.
- Stacker, Coin. C. H. Hagopian. 2,441,486, May 11.
- Stacker, Hay. H. J. A. Beck. 2,436,031, Feb. 17.
- Stacking machine. J. A. Poitras. 2,440,347, Apr. 27.
- Stacking receptacle. H. H. McCarll. 2,447,022, Aug. 17.
- Stadia instrument, Automatic recording. D. H. Drayer. 2,448,965, Sept. 7.
- Stadium folding chair. G. P. Wilson. 2,449,523, Sept. 14.
- Stage refrigeration, Multiple. B. S. Williams. 2,453,823, Nov. 16.
- Stage regeneration of spent catalysts, Multiple. B. E. Roethel. 2,449,622, Sept. 21.
- Staging or the like, Portable. D. H. Weislander. 2,445,286, July 13.
- Stain resistant plasticized polyvinyl chloride resin coatings. H. A. Van Etten. 2,453,052, Nov. 2.
- Stainless steel, Copper coating. H. W. Trenbath. 2,445,372, July 20.
- Stainless steel, Production of. D. L. Loveless. 2,455,073-4, Nov. 30.
- Stains, Making ceramic. J. A. Earl. 2,438,335, Mar. 23.
- Stair cover. J. Clark. 2,436,139, Feb. 17.
- Stairway, Steel. E. A. Jung. 2,448,264, Aug. 31.
- Stake, Ground. P. M. Waite. 2,447,444, Aug. 17.
- Stake, Spiral. E. J. Carlson. 2,441,109, May 4.
- Staked type shunt connection for carbon brushes. R. Carmichael and A. W. Seidler. 2,436,852, Mar. 2.
- Staking machine. G. A. Schettler. 2,454,347, Nov. 23.
- Staking machine. G. B. Spring. 2,440,213, Apr. 20.
- Stall cock for milking machines. W. H. Harstick. 2,456,276, Dec. 14.
- Stall, Finger. W. J. Forbes. 2,439,653, Apr. 13.
- Stall warning device. R. H. Upson. Re. 23,042, Oct. 5.
- Stamp. N. H. Wahlström. 2,456,904, Dec. 21.
- Stamped chain connector. R. J. Howison. 2,450,592, Oct. 5.
- Stamping machine. S. E. Anderson. 2,434,381, Jan. 13.
- Stamping machine, Automatic. W. H. Sanders and C. B. Marks. 2,443,779, June 22.
- Stamping machine, Rotary. T. Wutscher. 2,441,862, May 18.
- Stanchion, Adjustable. L. V. Fryzel and R. Frohner. 2,436,800, Mar. 2.
- Stanchion connection. D. E. Austin. 2,456,480, Dec. 14.

- Stand: See—
 Bicycle kick stand.
 Bicycle stand.
 Broom stand.
 Carton and display stand.
 Christmas tree stand.
 Collapsible ironing board stand.
 Collapsible stand.
 Display stand.
 Easel stand.
 Gas burner supporting stand.
 Garment stand.
 Gold bag stand.
 Kick stand.
 Stand for cylinder type vacuum cleaners, Accessory. P. E. Stoner. 2,450,172, Sept. 28.
 Stand for Christmas trees and the like. R. L. Stoick. 2,454,231, Nov. 16.
 Stand for displaying merchandise, Display. R. R. Stewart and J. W. Biewen. 2,455,278, Nov. 30.
 Stand for displaying posters, Sign. H. Green. 2,454,648, Nov. 23.
 Stand for flatirons, Supporting. H. C. Davis. 2,452,439, Oct. 26.
 Stand for supporting cable-thimble vise vertically or horizontally, Rotatable. R. M. Leveira. 2,448,535, Sept. 7.
 Stand for X-ray apparatus, Tube. H. S. Akers. 2,434,827, Jan. 20.
 Stand with an adjustable reception-plate capable of being tipped over in every direction. H. Wild. 2,439,194, Apr. 6.
 Stand with removable display panel, Advertising. D. S. Hall. 2,447,978, Aug. 24.
 Stands for show windows, Display. E. F. H. D'Horaene. 2,435,132, Jan. 27.
 Staple, Button. O. J. Huelster. 2,451,487, Oct. 19.
 Staple driving implement. R. E. Peterson and H. M. Larsen. 2,437,039, Mar. 2.
 Staple feeder. W. Schafroth. 2,439,189, Apr. 6.
 Staple strip and staple. J. C. Lang. 2,433,914, Jan. 6.
 Stapling apparatus. J. C. Lang. 2,440,479, Apr. 27.
 Stapling machine. A. D. Gilas. 2,436,473, Feb. 24.
 Stapling machine. C. C. Stuewe. 2,457,006, Dec. 21.
 Starch and protein in wheat grain products and extraction of diastase therefrom, Separation of. I. W. Tucker and A. K. Ballis. 2,434,874, Jan. 20.
 Starch compositions capable of forming water-soluble derivatives. F. A. Möller and J. Lolkema. 2,451,686, Oct. 19.
 Starch dispersion and making it. A. F. Peters. 2,435,901, Feb. 10.
 Starch from cereal grains, Production of. H. K. Murer and W. A. Mitchell. 2,437,036, Mar. 2.
 Starch hydrolyzing enzyme with aspergillus, Preparing. E. H. Le Menese and J. M. V. Lanen. 2,451,567, Oct. 19.
 Starch, Method and apparatus for the production of. C. G. Eckers. 2,443,310, June 15.
 Starch-resin reaction product and producing the same. C. C. Kesler, W. C. Black, W. L. Hicks, and C. N. Owen. 2,450,377, Sept. 28.
 Starch stabilizer. R. L. Lloyd. 2,442,658, June 1.
 Starter. G. C. Goode. 2,452,298, Oct. 26.
 Starter. R. M. Nardone. 2,446,297, Aug. 3.
 Starter and generator, Combined. R. M. Nardone. 2,451,767, Oct. 19.
 Starter control system, Counterelectromotive force motor. K. D. James. 2,452,127, Oct. 26.
 Starter drive, Engine. D. L. Miller. 2,440,657, Apr. 27.
 Starter, Engine. J. E. Buxton. 2,450,231, Sept. 28.
 Starter, Engine. D. L. Miller. 2,436,365, Feb. 17.
 Starter, Explosion-proof. W. F. Eckert. 2,452,112, Oct. 26.
 Starter for internal-combustion engines. D. L. Miller. 2,447,198, Aug. 17.
 Starter mounting. E. A. Calhoun. 2,441,990, May 25.
 Starter testing apparatus. H. L. Bennett. 2,446,039, July 27.
 Starting aid, Low-temperature engine. R. I. Olsen. 2,452,597, Nov. 2.
 Starting and generator-driving mechanism for engines. R. S. Kidd. 2,457,311, Dec. 28.
 Starting and ignition system. C. W. Root. 2,450,524, Oct. 5.
 Starting and lighting device, Heater. J. G. Lindsay. 2,452,310, Oct. 26.
 Starting and operating unit and circuit for gaseous electric discharge devices. M. A. Babb and A. E. Hayes. 2,445,989, July 27.
 Starting control for coin counting machines. E. W. Quirk and A. R. Buchholz. 2,438,822, Mar. 30.
 Starting control mechanism for internal-combustion engines. H. E. Petersen. 2,437,121, Mar. 2.
 Starting device, compression relief with automatic lock release. J. F. Wright. 2,443,999, Jan. 22.
 Starting device for arc welding machines. J. M. Tyrner. 2,442,832, June 8.
 Starting relay, Induction motor. R. E. Prouty, R. E. Bish, and R. L. Adams. 2,453,726, Nov. 16.
 Starting switch. F. C. Dazley and J. M. Pistey. 2,447,318, Aug. 17.
 Starting system, Engine. R. M. Heintz. 2,452,027, Oct. 19.
 Starting system for free piston engines. D. E. Meitzler. 2,439,482, Apr. 13.
 Starting system for free-piston units. K. C. Cooper. 2,439,453, Apr. 13.
 Starting system for free piston units. K. C. Cooper. 2,453,495, Nov. 9.
 Static electricity, Elimination of. R. Beach. 2,449,972, Sept. 28.
 Static eliminating means. W. C. Huebner. 2,445,271, July 13.
 Static eliminator for radio receiving sets. D. A. Dance. 2,438,272, Mar. 23.
 Stationary cutter with rotary drum feed for cutting sugar cane into seed lengths. R. J. Moyle. 2,456,528, Dec. 14.
 Statistical record cards and delivering them to a receiver, Mechanism for feeding. A. Thomas. 2,444,544, July 6.
 Stator winding method and apparatus therefor. A. P. Adamson. 2,445,986, July 27.
 Steam distributor for vacuumizing containers in sealing machines. J. Hohl and O. Bjering. 2,439,773, Apr. 13.
 Steam engine, Semicompound multiple expansion. R. R. Waterman. 2,446,031, July 27.
 Steam-engine valve crankshaft bearing support. H. G. Mueller. 2,443,692, June 22.
 Steam engines and the like, Speed and cut-off control means for. A. Doble. 2,440,328, Apr. 27.
 Steam generating attachment for electric irons. W. E. Baker. 2,445,506, July 20.
 Steam generator. G. A. Rehm. 2,435,055, Jan. 27.
 Steam generator. L. Reichold. 2,435,325, Feb. 3.
 Steam generator. E. E. Weed. 2,441,123, May 4.
 Steam generators and automatic feed systems for such generators, Regulating. J. Loumiet et Lavigne. 2,437,327, Mar. 9.
 Steam head for drier drums. W. J. Rutledge. 2,437,004, Mar. 2.
 Steam injection type water heater. C. T. Kern. 2,455,498, Dec. 7.
 Steam iron. E. O. Morton. 2,441,586, May 18.
 Steam iron. G. Waage. 2,437,571, Mar. 9.
 Steam joint supporting structure. S. M. Bratton. 2,438,141, Mar. 23.
 Steamer, Cloth. G. W. O'Keeffe. 2,443,990, June 22.
 Steaming and drying apparatus, Garment. J. C. Shaw. 2,453,730, Nov. 16.
 Steaming and pressing iron. F. E. Wolcott. 2,434,136, Jan. 6.
 Steaming or ageing machine, Textile. C. Jellinek. 2,453,796, Nov. 16.
 Steaming or vaporizing means. K. Weik. 2,454,903, Nov. 30.
 Steam-press iron and steam baffle and separator therefor. F. Busch and A. J. Nelson. 2,456,490, Dec. 14.
 Steel, Alloyed. G. R. Rich. 2,438,824, Mar. 30.
 Steel articles and making same, Welded. E. L. Roff and H. B. Wantland. 2,443,932, June 22.
 Steel, Austenitic stainless. J. C. Haun and R. Simpson. 2,455,485, Dec. 7.
 Steel base, Marine anti-fouling. H. E. Smith. 2,434,291, Jan. 13.
 Steel, Cold hobbable. M. C. Fetzer and W. H. Kemper. 2,449,806, Sept. 21.
 Steel, Corrosion resistant coated. A. A. Schilling and W. L. Finlay. 2,448,397, Aug. 31.
 Steel, Graphitic. F. R. Bonte. 2,438,267, Mar. 23.
 Steel, Guitar. W. H. Richmond. 2,435,512, Feb. 3.
 Steel, Heat-treating and cold-rolling Hadfield manganese. C. W. Weesner, W. B. Leffingwell, E. R. Babylon, and H. L. Schell. 2,448,753, Sept. 7.
 Steel, High-temperature stainless. W. C. Clarke, Jr. 2,447,897, Aug. 24.
 Steel, Low alloy high tensile strength, high impact strength. P. Payson. 2,447,089, Aug. 17.
 Steel metallurgy. W. A. Brown and F. S. Kleeman. 2,444,424, July 6.
 Steel of low phosphorus content, Manufacture of basic. M. L. Allard. 2,440,564, Apr. 27.
 Steel, Production of stainless. D. L. Loveless. 2,457,055, Dec. 21.
 Steel, Quench-hardening thermally hardenable. R. E. Griffiths and G. T. Spare. 2,441,628, May 18.
 Steel shank, Arch. F. Aquilino. 2,450,624, Oct. 5.
 Steel shapes for use in the construction of buildings. D. I. Youmans. 2,445,815, July 27.
 Steel sheets, Making corrugated galvanized. N. P. Veeder. 2,457,420, Dec. 28.
 Steel, Silicon electrical. A. R. Williams. 2,455,632, Dec. 7.
 Steel strip tempering. A. T. Reichenbach. 2,444,788, July 6.
 Steel tape holder. C. A. Brown. 2,453,115, Nov. 9.
 Steel, Wear resistant. M. C. Fetzer and C. B. Post. 2,450,888, Oct. 12.
 Steel wool. J. R. Thompson. 2,451,417, Oct. 12.
 Steel wool holder. A. A. De Sempie. 2,438,152, Mar. 23.
 Steel wool machine. G. B. Galvin. 2,437,424, Mar. 9.
 Steels and structural embodiments thereof for use at low temperatures. G. R. Brophy and A. J. Miller. 2,451,469, Oct. 19.
 Steerable vehicle running gear. E. and L. H. Hekman. 2,437,816, Mar. 16.

- Steering apparatus, Automatic. L. A. Trofimov. 2,453,878, Nov. 16.
- Steering attachment for tractors, Furrow guided automatic. F. T. Court. 2,443,302, June 15.
- Steering by driving control mechanism. W. H. Bruce and D. W. Erskine. 2,444,279, June 29.
- Steering column gearshift operating mechanism, Concentric. J. J. Wharam and M. Jovanovich. 2,455,204, Nov. 30.
- Steering control apparatus. L. Hammond. 2,439,294, Apr. 6.
- Steering device. E. B. White. 2,437,575, Mar. 9.
- Steering gear. W. K. Creson and R. H. Jordan. 2,456,390, Dec. 14.
- Steering gear. R. E. Farmer. 2,445,263, July 13.
- Steering gear for operating the rudders of ships, Hydraulic marine. W. T. Pritchard. 2,455,090, Nov. 30.
- Steering gear for wheeled vehicles. T. A. Bowe. 2,437,590, Mar. 9.
- Steering handle. V. A. P. Saracchi. 2,439,636, Apr. 13.
- Steering linkage. J. J. Wharam and F. G. Loon. 2,448,851, Sept. 7.
- Steering means for agricultural implements. J. Morkoski. 2,435,506, Feb. 3.
- Steering means for vehicles. L. Dufour. 2,453,417, Nov. 9.
- Steering mechanism. J. D. Floria. 2,442,283, May 25.
- Steering mechanism and follow-up control valve therefor, Power. E. J. Ringer. 2,457,728, Dec. 28.
- Steering mechanism, Fluid power. D. P. Fisher. 2,450,126, Sept. 28.
- Steering mechanism, Power. T. H. Thomas. 2,457,750, Dec. 28.
- Steering mechanism, Vehicle. W. H. Briggs. 2,448,701, Sept. 7.
- Steering system for vehicles. R. L. J. B. Sanmori. 2,436,153, Feb. 17.
- Stem and socket combination. R. L. Hough. 2,448,980, Sept. 7.
- Stemming device including reciprocating ladder-like grids, Raisin. T. W. W. Forrest. 2,446,646, Aug. 10.
- Stencil assembly with removable backing and facing sheets. C. W. Sims. 2,438,828, Mar. 30.
- Stencil, Eyebrow. B. Samson. 2,435,516, Feb. 3.
- Stenographic notebook holder. H. J. Larsen. 2,443,216, June 15.
- Step and ramp appliance for vehicles, Retractable. R. J. Kelberer. 2,457,380, Dec. 28.
- Step bearing for gyratory crushers. C. C. Van Zandt. 2,448,936, Sept. 7.
- Step-by-step mechanism, Compensated. W. R. Dresser. 2,447,847, Aug. 24.
- Step construction. L. B. Clark. 2,441,617, May 18.
- Stepladder. L. R. Pease. 2,440,831, May 4.
- Step-up mechanism. E. H. Hughes. 2,452,030, Oct. 26.
- Stereo camera range finder system. E. H. Land, A. J. Bachelder, and O. E. Wolff. 2,453,075, Nov. 2.
- Stereoscopic mapping instrument. T. M. Edison. 2,444,815, July 6.
- Stereoscopic motion-picture projection system. F. Savoye. 2,441,674, May 18.
- Stereoscopic radio location device. W. A. Ayres. 2,434,897, Jan. 27.
- Stereotype mat drier. W. E. Gibbons and G. Scharton. 2,442,407, June 1.
- Stereotype plate-cooling machine. P. L. Tollison and C. L. Ricards. 2,446,858, Aug. 10.
- Sterile distribution and drawoff system. R. H. Schneider. 2,456,152, Dec. 14.
- Sterile needle holder. C. M. Zukerman. 2,435,994, Feb. 17.
- Sterilized toilet seat. L. H. Davidson. 2,440,231-2, Apr. 20.
- Sterilizer. J. J. Scandura. 2,457,500, Dec. 28.
- Sterilizer. R. W. Snider. 2,450,816, Oct. 5.
- Sterilizer, Razor strop. V. R. Minton. 2,445,532, July 20.
- Sterilizing and disinfecting apparatus. H. C. Gould. 2,440,043, Apr. 20.
- Sterilizing and preserving. A. Bransch. 2,456,909, Dec. 21.
- Sterilizing apparatus. F. L. Irish and S. Feldman. 2,447,183, Aug. 17.
- Sterilizing arrangement for milk tubes. J. L. Fair. 2,441,878, May 18.
- Sterilizing glasses, dishes, or the like, method and apparatus. C. V. Di Pietro. 2,439,042, Apr. 6.
- Steroid keto hydroxy acids and their polybasic acid esters and preparing same. E. Schwenk. 2,445,006, July 13.
- Steroid thioacetals, Hydrogenalysis of. S. Bernstein and L. Dorfman. 2,440,660, Apr. 27.
- Steroidal compounds and methods for obtaining the same. R. B. Wagner. Re. 23,008, June 15.
- Stethoscope, Blood pressure. J. M. Mallory. 2,445,917, July 27.
- Stick and nail cleaner, Cuticle. B. B. Peritz. 2,437,834, Mar. 16.
- Stick, Illuminated walking. J. H. Greene. 2,435,650, Feb. 10.
- Stick, Picker. G. J. Muller. 2,440,181, Apr. 20.
- Stiffener and inserting it in a shoe, Counter. A. R. Schoenky. 2,441,646, May 18.
- Stiffener, Box toe. W. H. Heaton and W. J. Vaccaro. 2,444,931, July 13.
- Still, Multiple-effect solar. D. C. Ginnings. 2,445,350, July 20.
- Still with thermocompression of vapors, Multiple effect. R. O. Henszey. 2,440,173, Apr. 20.
- Stirrer for cooking vessels. L. L. Barr. 2,449,578, Sept. 21.
- Stirrup for jack sticks in looms. C. E. Kennett. 2,450,198, Sept. 28.
- Stitching instrument, Surgical. L. H. Erickson. 2,439,383, Apr. 13.
- Stitching machine. W. R. Spiller and R. J. Niederhauser. 2,440,618, Apr. 27.
- Stock consistency responsive device. H. G. Cram. 2,442,888, June 8.
- Stocking. M. J. Welch. 2,445,049, July 13.
- Stocking and leg protector. R. T. J. Murphy. 2,442,507, June 1.
- Stocking and method of production. E. B. Beacham. 2,435,489, Feb. 3.
- Stocking, Circular knitted. A. L. Hunt. 2,437,195, Mar. 2.
- Stocking dryer. M. Diamant. 2,440,169, Apr. 20.
- Stocking heel protector. F. L. Gailey. 2,438,280, Mar. 23.
- Stocking protector. B. E. Knubel. 2,450,968, Oct. 12.
- Stocking stretcher. W. L. Bannister. 2,453,059, Nov. 2.
- Stocking toe protector. E. W. Town. 2,443,997, June 22.
- Stoker. C. E. Shaffer. 2,453,162, Nov. 9.
- Stoker apparatus, Spreader. D. J. Mosshart. 2,441,366, May 11.
- Stoker, Automatic. J. T. Norman. 2,454,400, Nov. 23.
- Stoker, Furnace. E. O. White. 2,457,423, Dec. 28.
- Stoker provided with a metering control to determine fuel and air feed. R. F. Graham. 2,452,453, Oct. 26.
- Stoker tuyere. F. B. Hall. 2,449,602, Sept. 21.
- Stoker, Underfeed domestic. J. C. Scott. 2,446,492, Aug. 3.
- Stool, Adjustable. R. R. Cramer. 2,446,127, July 27.
- Stool, Combination ladder. D. Greene. 2,438,212, Mar. 23.
- Stool, Folding camp. J. A. Mangold. 2,445,489, July 20.
- Stool, Toilet. A. M. Broudy. 2,438,384, Mar. 23.
- Stone assembly for honing tools. J. E. Kline. 2,436,215, Feb. 17.
- Stop and fire cutoff device for gun turrets, Limit. F. M. Watkins and C. N. Schuh, Jr. 2,434,654, Jan. 20.
- Stop and lock for machines for gauging cartridges, Automatic. F. I. Goin. 2,451,616, Oct. 19.
- Stop and turn signal, Vehicle. M. Matsuda. 2,445,961, July 27.
- Stop assembly, Rocket. W. H. D'Ardenne. 2,448,962, Sept. 7.
- Stopcock, Glass magnetic. C. E. Herrick, Jr., and L. C. Liberator. 2,442,599, June 1.
- Stop device for pull apart sliders for separable fasteners. L. H. Morin. 2,438,614, Mar. 30.
- Stop dispensing mechanism of coin and manual controlled type, Predetermined. L. E. Rush. 2,451,776, Oct. 19.
- Stop, Door. A. Van Veen and K. B. Noble. 2,442,106, May 25.
- Stop for barrels, Safety. E. C. Livingston. 2,455,426, Dec. 7.
- Stop for business machines, Adjustable paper. A. J. Pettigrew. 2,444,641, July 6.
- Stop for gun mount system, Hydraulic. J. C. Trotter. 2,447,968, Aug. 24.
- Stop for looms, Dagger. W. J. Budzyna. 2,451,914, Oct. 19.
- Stop means for textile apparatus and the like. C. A. Hepp and P. Schoenster. 2,438,365, Mar. 23.
- Stop mechanism and means for mounting. R. G. Birr. 2,451,191, Oct. 12.
- Stop mechanism, Automatic. R. A. Herath and C. P. Pettigrew. 2,434,406, Jan. 13.
- Stop mechanism for embossing machine carriages, Margin. J. H. Gruver. 2,450,726, Oct. 5.
- Stop mechanism for embossing machines, Safety. J. H. Gruver. 2,444,292, June 29.
- Stop mechanism for sewing machines. W. Myers. 2,454,710, Nov. 23.
- Stop mechanism for warpers, Automatic. J. S. Seney. 2,450,996, Oct. 12.
- Stop motion for Axminster looms. W. Y. Robb. 2,442,178, May 25.
- Stop motion for looms. O. F. Doss. 2,444,285, June 29.
- Stop motion for looms, etc. J. Kyner. 2,436,438, Feb. 24.
- Stop motion for looms, Pick controlled. C. W. Howell and G. L. Elderbaum. 2,456,193, Dec. 14.
- Stop motion for looms, Warp and harness. H. H. Babb and D. L. Moody. 2,444,085, June 29.
- Stop motion for pile wire looms. S. S. Wilson. 2,439,031, Apr. 6.
- Stop motion in circular looms, Thread operated. V. M. J. Ancet. 2,433,824, Jan. 6.
- Stop motion mechanism. R. R. Barnes and W. G. McCulloch. 2,447,553, Aug. 24.
- Stop motion mechanism for narrow fabric looms. W. Pruitt. 2,456,021, Dec. 14.
- Stop motion, Roller clearer. M. E. Russell. 2,450,738, Oct. 5.
- Stop motion, Slide-controlled. E. Vossen. 2,439,591, Apr. 13.
- Stop motion, Whip roll. P. Matweeff. 2,453,145, Nov. 9.
- Stop nuts, Manufacturing. J. J. Williams. 2,442,067, May 25.
- Stopper. F. A. Cutter and W. F. Butler. 2,438,149, Mar. 23.

- Stopper, Bottle. D. G. Kopecky. 2,439,628, Apr. 13.
 Stopper, Bottle. J. A. Murdock. 2,446,661, Aug. 10.
 Stopper, Drain. R. L. Behre. 2,443,649, June 22.
 Stopper, Inflatable leak. C. A. Oding. 2,446,190, Aug. 3.
 Stopper press die. J. O. Reid. 2,448,911, Sept. 7.
 Stopper, Reversible. I. W. Daffer. 2,447,166, Aug. 17.
 Stopping means for weft replenishing looms. V. F. Sepavich. 2,435,699, Feb. 10.
 Stopping mechanism for textile apparatus. G. H. Cady and E. W. Adams. 2,452,223, Oct. 28.
 Stop ring for combination locks. E. M. Miller. 2,441,895, May 18.
 Stop. Wheel. S. W. Hayes. 2,441,148, May 11.
 Storage, Aqueous formaldehyde. E. S. Yates. 2,440,732, May 4.
 Storage batteries, Charging. A. Arvidsson. 2,453,960, Nov. 16.
 Storage batteries, Manufacture of. C. D. Galloway. 2,454,053, Nov. 16.
 Storage elevator system for automobiles. W. G. Smith. 2,446,344, Aug. 3.
 Storage means for liquefied gas. H. C. Cooper. 2,437,909, Mar. 16.
 Storage of goods, Method and refrigerating apparatus for the cold. E. E. Larkin. 2,441,889, May 18.
 Storage rack. O. A. Light. 2,455,507, Dec. 7.
 Storage tank rack. C. E. McCormick. 2,455,017, Nov. 30.
 Storing and dispensing liquefied gases, Method of and apparatus for. J. G. Van Vleet and G. W. Patch, Jr. 2,435,323, Feb. 3.
 Storm attachment for high line tools. D. C. Hubbard. 2,438,504, Mar. 30.
 Storm sash and casement window connector. J. Martin. 2,440,223, Apr. 20.
 Storm window and screen combination. G. Merryweather. 2,453,528, Nov. 9.
 Storm window, Inside. M. W. Berghoff. 2,456,486, Dec. 14.
 Storm window support. P. L. Newbold. 2,444,746, July 6.
 Stove. C. J. Buhman and L. E. Mendel. 2,438,035, Mar. 16.
 Stove, Cabinet type cooking. H. M. Reeves. 2,445,124, July 13.
 Stove construction having top section securing means. C. J. Rogers, Jr., and J. Bright. 2,434,811, Jan. 20.
 Stove flue cover. C. H. Thieman. 2,453,473, Nov. 9.
 Stove for burning liquid fuel and burner control mechanism therefor, Portable. B. Robinson. 2,455,950, Dec. 14.
 Stove, Gasoline field. L. J. Stein. 2,450,025, Sept. 28.
 Stove, Heating. R. A. Doering. 2,433,829, Jan. 6.
 Stove, Oil burning tobacco curing. O. K. Kittrell. 2,453,233, Nov. 9.
 Stove or range, Electric. T. E. Dadson. 2,453,832, Nov. 16.
 Stove pipe fastener. E. L. Chadwick. 2,455,406, Dec. 7.
 Stove, Portable. S. T. Howard. 2,444,444, July 6.
 Straightener for shoes, Shoe tree. R. H. Schieferstein. 2,442,826, June 8.
 Straightener or shaper, Wire. G. Forsman. 2,445,615, July 20.
 Straightening device, Freight car. R. C. Schram. 2,442,939, June 8.
 Strain-free, extruded shapes from organic thermoplastic materials, Production of. P. M. Cole. 2,436,201, Feb. 17.
 Strain gauge. F. F. Versaw. 2,455,285, Nov. 30.
 Strainer. B. M. Dean. 2,451,074, Oct. 12.
 Strainer. S. P. Kinney and L. M. Hartwick. 2,455,181, Nov. 30.
 Strainer. W. E. Lyman. 2,442,818, June 8.
 Strainer. G. L. MacNeill. 2,447,952, Aug. 24.
 Strainer. E. Pick and J. J. Carlson. 2,447,135, Aug. 17.
 Strainer accommodating attachment, Milk can. P. P. Hanson. 2,450,510, Oct. 5.
 Strainer cap. G. W. Maddux. 2,450,520, Oct. 5.
 Strainer, Downspout. J. C. Young. 2,446,256, Aug. 3.
 Strainer for puréeing food, Culinary. N. Moseley. 2,449,666, Sept. 21.
 Strainer, Percolator bowl. M. Simcich. 2,438,302, Mar. 23.
 Strainer, Sanitary sink. T. A. Garonis. 2,457,038, Dec. 21.
 Strainer, Self-cleaning. K. P. Schenke. 2,440,384, Apr. 27.
 Strainer valve and operating mechanism therefor, Sink. P. F. Donahue. 2,450,392, Sept. 28.
 Strainer valve and operating mechanism therefor, Sink. P. F. Donahue. 2,450,393, Sept. 28.
 Straining or filtering apparatus for liquids. L. W. English. 2,453,622, Nov. 9.
 Strand and fabric, Composite. A. H. Davis. 2,448,782, Sept. 7.
 Strand display and transfer reel, Combined. E. P. Hoyle. 2,438,805, Mar. 30.
 Strand testing. S. L. Ross. 2,457,276, Dec. 28.
 Strand, Wire saw. P. D. d'Avancourt. 2,451,383, Oct. 12.
 Strands of intertwined glass fibers, Producing. C. C. Swann. 2,448,499, Aug. 31.
 Strap. C. A. Domler. 2,449,884, Sept. 21.
 Strap, Adjustable lug. W. I. Bullard. 2,436,353, Feb. 17.
 Strap assembling apparatus. H. Alfandre. 2,455,545, Dec. 7.
 Strap, Baby. G. K. White. 2,451,007, Oct. 12.
 Strap, Battery plate-connecting. W. C. Sargent. 2,450,359, Sept. 28.
 Strap, Check. H. J. Shivel. 2,452,690, Nov. 2.
 Strap, Duck. H. A. Sleep. 2,452,692, Nov. 2.
 Strap extender. L. L. Steigerwald. 2,448,839, Sept. 7.
 Strap for looms, Check. S. D. Lesesne. 2,435,749, Feb. 10.
 Strap, Hand. E. C. Mersereau. 2,449,307, Sept. 14.
 Strap hanger. M. Rachlin. 2,442,144, May 25.
 Strap, Lug. W. McKinley. 2,443,111, June 8.
 Strap, Lug. J. E. Moe. 2,445,744, July 20.
 Strap, Quick attach. V. R. Despard. 2,455,889, Dec. 7.
 Strap, Safety wrist watch. H. R. Read. 2,456,319, Dec. 14.
 Strap with inseparable ends. C. A. Domler. 2,449,885, Sept. 21.
 Straps for brassières, Supporting. J. Glick. 2,454,154, Nov. 16.
 Stratifier, Pulsating pneumatic. J. A. Brusset. 2,449,582, Sept. 21.
 Streamlined conductor cable. E. C. Craig. 2,435,956, Feb. 17.
 Streptomycin and preparation. S. A. Waksman and A. Schatz. 2,449,866, Sept. 21.
 Stretcher carrier for ambulances, Foldable. E. L. Schofield. 2,456,024, Dec. 14.
 Stretcher, Line. E. L. Howe. 2,451,389, Oct. 12.
 Stretcher, Wire. H. Sattler. 2,456,895, Dec. 21.
 Stretcher with skeletal traction facilities. C. C. Carpenter. 2,449,767, Sept. 21.
 Stretch-forming apparatus, including a segmental die connected at opposite ends to shiftable vises. R. E. Martin. 2,457,483, Dec. 28.
 Stretching machine for uncoiling, flattening, and coiling Stretching or shaping socks and similar foot coverings. N. Barker. 2,458,531, Mar. 30.
 String depressor for stringed musical instruments. H. L. Sprague. 2,450,210, Sept. 28.
 metal strip. A. Pope. 2,449,507, Sept. 14.
 Strip assembly method and apparatus, Unit. A. L. Hess. 2,449,776, Sept. 21.
 Strip feeding mechanism. H. C. Bostwick. 2,441,791, May 18.
 Strip for roofs and sidings, Covering. W. B. Robinson and G. E. Swenson. 2,450,562, Oct. 5.
 Strip forming apparatus. C. W. Hazelett. 2,450,428, Oct. 5.
 Strip perforating apparatus. C. Chisholm. 2,453,782, Nov. 16.
 Strip projection apparatus, Picture film. T. U. Sisson. 2,451,306, Oct. 12.
 Strip-shingles, Interlocking. H. Abraham. 2,452,708, Nov. 2.
 Strip slot insulation, Continuous. R. O. Goldberg. 2,455,862, Dec. 7.
 Strip uncoiler. W. F. Longfield. 2,441,544, May 11.
 Strip, Weather and trim. O. B. Merrill. 2,443,959, June 22.
 Stripper, Ballast. D. M. Praytor and K. Kershaw. 2,449,714, Sept. 21.
 Stripper, Hot top. W. W. Urmetz. 2,439,705, Apr. 13.
 Stripper, Nail. H. L. Snyder. 2,445,541, July 20.
 Stripper, Punch press. T. T. Crandall. 2,454,432, Nov. 23.
 Stripper, Spool. H. A. Griffin and H. York. 2,443,002, June 8.
 Stripping in butadiene extraction. R. A. Given and W. S. Craft. 2,448,971, Sept. 7.
 Stripping means for molds. W. Schmid and W. E. Fillmore. 2,439,782, Apr. 13.
 Stripping of spent catalyst in a hydrocarbon conversion process. P. F. McEltherne. 2,457,255, Dec. 28.
 Stripping of spent catalyst in hydrocarbon conversion processes. D. Read, Jr. 2,456,148, Dec. 14.
 Stripping spent fluid catalysts. P. C. Keith. 2,456,707, Dec. 21.
 Stripping yarn packages, Method and apparatus for. C. C. Sumner. 2,453,603, Nov. 9.
 Strips and channels and connecting structure, Furring. J. Michael. 2,443,109, Aug. 31.
 Stripping device, Newspaper. A. Taylor. 2,441,454, May 11.
 Stroboscopic apparatus for calibrating time indicating devices. J. M. Weinberger. 2,444,178, June 29.
 Stroboscopic apparatus for calibrating time indicating devices. J. M. Weinberger. 2,454,983, Nov. 30.
 Stroboscopic index and index viewing. J. L. Clough. 2,440,797, May 4.
 Stroboscopic light valve checking machine. J. P. Corcoran. 2,437,419, Mar. 9.
 Stroboscopic projector of the continuously moving film type. J. Brosius, Jr. 2,456,487, Dec. 14.
 Stroke eccentric mechanism, Adjustable. N. Michelman. 2,454,881, Nov. 30.
 Structural member. T. Collins. 2,446,692, Aug. 10.
 Structural member, Composite. P. W. Abeles. 2,455,153, Nov. 30.
 Structural member, Tubular section. S. Macomber. 2,457,250, Dec. 28.
 Structural members and system. E. B. Maynard. 2,441,364, May 11.

- Structural section and structural members composed thereof. O. Carlsen. 2,444,091, June 29.
- Structural sheet, Reinforced. W. Ewald. 2,441,476, May 11.
- Structural unit, Making a. A. W. Franklin. 2,451,725, Oct. 19.
- Structure and surface covering therefor, Surface covered. G. K. Biemesderfer, Jr. 2,457,299, Dec. 28.
- Structure, Electrical outlet. L. R. Casler and L. F. Milner. 2,457,347, Dec. 28.
- Structure for aircraft, Wing-tip float. G. A. Smith. 2,455,955, Dec. 14.
- Structure for controlling flow of gases through absorbers, Valve. J. A. Heidbrink. 2,450,338, Sept. 28.
- Structure for high packing handled baskets with fruit, Method and packing. J. A. McCormick. 2,452,204, Oct. 26.
- Structure for vehicles, especially trailers, Underframe. R. J. Theriault. 2,441,106, May 4.
- Strut, Docking. R. G. Peterson. 2,434,673, Jan. 20.
- Strut, Electrically and hydraulically operated extensible. M. V. Hartman. 2,457,467, Dec. 28.
- Strut, Shock. F. E. Bachman. 2,437,219, Mar. 2.
- Strut, Shock. C. E. Tack and F. E. Bachman. 2,439,349, Apr. 6.
- Stud and installation thereof. E. R. Evans. 2,437,638, Mar. 9.
- Stud driving machine. L. R. Runkle. 2,433,959, Jan. 6.
- Stud for welding. C. S. Evans. 2,455,244, Nov. 30.
- Stud receptacle. S. W. Hennessey, Jr. 2,438,051, Mar. 16.
- Stud, Self-locking. C. E. S. Place and M. Van Winkle, Jr. 2,441,442, May 11.
- Stud, Welding. A. M. Candy. 2,441,257, May 11.
- Studio, Broadcasting. J. K. Gannett, R. Smith, Jr., and B. W. Saveland. 2,451,283, Oct. 12.
- Stuffing box. C. J. Keim. 2,450,895, Oct. 12.
- Stuffing box mounting for pumps. V. C. Ehrig. 2,446,463, Aug. 3.
- Stuffing, Onion flavored melon. E. Van Dellen and R. N. Ball. 2,436,463, Feb. 24.
- Stuffing tube. P. M. D'Amico. 2,450,883, Oct. 12.
- Stylus. W. G. H. Finch. 2,442,561, June 1.
- Stylus construction. B. B. Bauer. 2,455,913, Dec. 14.
- Stylus for sound reproduction. R. H. Campbell. 2,438,111, Mar. 23.
- Styrene and polymerizable ring chlorinated styrenes. Stabilization of. E. R. Erickson. 2,455,745, Dec. 7.
- Styrene distillation. T. A. Gadwa. 2,457,361, Dec. 28.
- Styrene from butadiene, Producing. H. A. Dutcher. 2,438,041, Mar. 16.
- Styrene-isobutylene polymer films and resultant product, Treatment of. P. E. Hardy. 2,446,536, Aug. 10.
- Styrene-oil soluble natural resin-drying oil interpolymers. J. A. Arvin and W. B. Gitchel. 2,457,768, Dec. 28.
- Styrene resin, Making. S. G. Burroughs. 2,455,225, Nov. 30.
- Styrenes, Preparation of substituted. C. E. Morrell and O. C. Slotterbeck. 2,449,004, Sept. 7.
- Subcaliber gun mount. G. B. Davis, Jr. 2,454,276, Nov. 23.
- Subharmonic generator. J. O. Edson and D. M. Terry. 2,451,480, Oct. 19.
- Submarine detecting device. W. P. Mason. 2,434,278, Jan. 13.
- Submarine mine. C. N. Hickman. 2,439,211, Apr. 6.
- Submarine signaling apparatus. J. T. Beechlyn. 2,443,177, June 15.
- Submerged-belt type magnetic separator. R. E. Crockett and P. S. Haselton. 2,437,681, Mar. 16.
- Submerged reciprocating screen. B. M. Bird. 2,452,982, Nov. 2.
- Submersible double-acting fluid piston deep well pump. B. F. Schmidt. 2,455,022, Nov. 30.
- Submersible seismometer system. R. A. Peterson. 2,449,085, Sept. 14.
- Subsoiler and aerator. S. M. McEwen. 2,439,743, Apr. 13.
- Substitute leather, Production of. A. Bernard. 2,446,806, Aug. 10.
- Substituted cyanoguanidine, Preparation of. B. C. Redmon and D. E. Nagy. 2,455,807, Dec. 7.
- Substituted piperazines. R. Baltzly and E. Lorz. 2,436,685, Feb. 24.
- Substituted pyridinium and piperidinium compounds. M. G. Van Campen, Jr., and R. S. Shelton. 2,446,796, Aug. 10.
- Substrata, Determining the nature of. G. Herzog. 2,443,680, June 22.
- Subterranean extension of geologic bodies, Determining the. F. W. Lee. 2,440,693, May 4.
- Succinic ester synthesis. W. F. Gresham. 2,457,111, Dec. 28.
- Succinonitrile, Preparing. E. L. Carpenter. 2,434,606, Jan. 13.
- Sucker rod backoff wheel. F. Austin. 2,450,103, Sept. 28.
- Suction apparatus. J. A. Betts. 2,442,282, May 25.
- Suction apparatus for knitting machines. D. P. Moore. 2,457,104, Dec. 21.
- Suction cleaner. L. K. Acheson. 2,436,159, Feb. 17.
- Suction cleaner. C. G. Troxler and G. P. Dalger. 2,450,845, Oct. 5.
- Suction cleaner with agitator drive disengaging means, Convertible. P. T. Hahn and G. R. Coss. 2,449,997, Sept. 28.
- Suction cleaner with pneumatic filter cleaner. D. G. Smellie. 2,442,667, June 1.
- Suction device for removing dust from fabric or the like. A. J. Zuehoefer. 2,437,340, Mar. 9.
- Suction evacuator for removing the fluid content of eggs. H. H. Cribb and D. J. R. Both. 2,446,812, Aug. 10.
- Suction feeder. E. T. Cameron. 2,446,573, Aug. 10.
- Suction means for removing egg liquid, Automatic. J. Meade. 2,445,490, July 20.
- Suction mold. A. E. Smith. 2,448,632, Sept. 7.
- Suction press section for paper machines. L. Hornbostel. 2,443,352, June 15.
- Sugar base composition. A. M. Zenzen. 2,435,249, Feb. 3.
- Sugar-bearing product and making. R. Lee. 2,453,142, Nov. 9.
- Sugarcane wax, Making refined. C. B. Broeg and R. T. Balch. 2,449,107, Sept. 14.
- Sugar compositions. A. M. Zenzen. 2,435,248, Feb. 3.
- Sugar, Refining of. E. E. Pittman. 2,450,683, Oct. 5.
- Suit, Bathing. H. T. Morgan. 2,443,474, June 15.
- Suitcase valance structure. R. H. Worley. 2,454,366, Nov. 23.
- Suitcase, Wardrobe. J. Hinson. 2,453,663, Nov. 9.
- Suit form extender, Man's. G. Tanzer. 2,434,817, Jan. 20.
- Suit hanger. R. Waldman. 2,449,868, Sept. 21.
- Suit, Swimming. J. O. Gantner, Jr. 2,450,085, Sept. 28.
- Suit type of apparel, Sun. G. Brockman. 2,449,873, Sept. 21.
- Sulfa preparation for animal mastitis. D. G. Perkins. 2,453,259, Nov. 9.
- Sulfamic acid, Producing. H. S. McQuaid. 2,436,658, Feb. 24.
- Sulfamyl-2-mercaptobenzothiazoles. C. F. H. Allen and A. Bell. 2,450,777, Oct. 5.
- Sulfide catalyst, Preparation of. A. Voorhies, Jr. 2,455,713, Dec. 7.
- Sulfocompositions and their manufacture. B. W. Gamson. 2,447,004, Aug. 17.
- Sulfo-compositions, Method and apparatus for producing. B. W. Gamson. 2,447,005, Aug. 17.
- Sulfo-compositions, Production of. B. W. Gamson. 2,447,006, Aug. 17.
- Sulfofluorides of azoic dyestuffs. H. Z. Lecher, R. P. Parker, and C. M. Hofmann. 2,436,697, Feb. 24.
- Sulfofluorides of azoic dyestuffs. H. Z. Lecher, R. P. Parker, and C. M. Hofmann. 2,437,644, Mar. 9.
- Sulfolanyl sulfones. R. C. Morris and E. C. Shokal. 2,452,949, Nov. 2.
- Sulfonamide compounds, Manufacture of. W. Lorenz, R. Behnisch and F. Mietzsch. 2,443,742, June 22.
- Sulfonamide derivatives. P. S. Winnek. 2,436,062, Feb. 17.
- Sulfonamides, Preparing. A. H. Popkin. 2,440,117, Apr. 20.
- Sulfonamides, Preparing. A. H. Popkin. 2,441,671, May 18.
- Sulfonamido disazo dye. C. F. H. Allen, C. V. Wilson, and G. F. Frame. 2,448,853, Sept. 7.
- Sulfonamido-S-substituted isothiouras. E. H. Cox and J. M. Sprague. 2,441,566, May 18.
- Sulfonated aromatic compounds as cation exchange resins, Aldehyde condensation products of. J. T. Thurston. 2,440,669, Apr. 27.
- Sulfonated polybenzyl. A. L. Fox. 2,445,569, July 20.
- Sulfonates and products thereof, Preparing insolubilized. J. T. Thurston. 2,455,282, Nov. 30.
- Sulfonates, Production of metal. F. C. Gzemski. 2,451,549, Oct. 19.
- Sulfonation of aromatic compounds in presence of acetonitrile. D. S. Henderson and A. N. Sachanen. 2,448,370, Aug. 31.
- Sulfonation process. E. L. d'Ouville and D. E. Burney. 2,450,585, Oct. 5.
- Sulfones of conjugated dienes, Cyclic. F. W. Rose, Jr. 2,448,053, Aug. 31.
- Sulfosuccinamic acid, Derivatives of. L. H. Flett. 2,452,043, Oct. 26.
- Sulfur and hydrocarbon reactions and products. R. C. Hansford, H. E. Rasmussen, and A. N. Sachanen. 2,450,659, Oct. 5.
- Sulfur-chloride treated butyl rubber as tie-gum. R. F. Wolf and W. J. Sparks. 2,442,068, May 25.
- Sulfur compounds and manufacture thereof, Bicyclic. A. Busing. 2,436,851, Mar. 2.
- Sulfur compounds, Manufacture of. W. A. Schulze and W. W. Crouch. 2,454,409, Nov. 23.
- Sulfur containing coating compositions. V. J. Frillette. 2,440,467, Apr. 27.
- Sulfur containing dicarboxylic acids, Preparation of. T. L. Gresham and F. W. Shaver. 2,449,996, Sept. 28.
- Sulfur containing hydrocarbons, Conversion of. H. W. Grote. 2,450,724, Oct. 5.
- Sulfur-containing phthalocyanine dyestuffs, Preparing. C. Wood. 2,453,953, Nov. 16.
- Sulfur dioxide and olefins, Moldable reaction products of. F. E. Frey. 2,450,424, Oct. 5.
- Sulfur dioxide from waste sulfuric acid-hydrocarbon containing material, Producing. R. T. Collier and J. G. Carriere. 2,435,710, Feb. 10.
- Sulfur trioxide, The production of. A. Belchetz. 2,449,190, Sept. 14.

- Sulfur vulcanizing agent, method for its utilization and vulcanizable compositions containing the same, Plastic. W. E. Vaughan and B. Barnett. 2,450,771, Oct. 5.
- Sulfuric acid fortification in isoparaffin alkylation. A. R. Goldsby and C. W. Watson. 2,437,091, Mar. 2.
- Sulfuric acid polymerization of diorganosiloxanes. R. R. McGregor and E. L. Warrick. 2,437,204, Mar. 2.
- Sulfuric acid reaction product of 2-mercapto-4,6,6-trimethyl thiazine. J. E. Jansen. 2,439,810, Apr. 20.
- Sulfurized jojoba oil, Making. F. B. Wells. 2,450,403, Sept. 28.
- Sulfurized lubricating composition, Preparing. D. P. Clark, Jr. 2,454,034, Nov. 16.
- Sulfurized oil-aromatic oil compositions. F. J. Soday. 2,436,457, Feb. 24.
- Sulfurized terpenes. L. C. Holt. 2,443,823, June 22.
- Sulphonamide derivatives. Z. Földi, Á. Gerecs, I. Demjén, and R. König. 2,444,926, July 13.
- Sulphonated crotonaldehyde-rosin reaction product and process for making same. E. P. Irany. 2,443,913, June 22.
- Sulphonic salts, Purification of. J. C. Carter. 2,441,258, May 11.
- Sun bath device. I. B. Lewk. 2,445,622, July 20.
- Sundae, Packaged. F. T. Moser. 2,435,094, Jan. 27.
- Sun shade and reflector for cameras, Combined. E. J. Herbert. 2,437,159, Mar. 2.
- Sunshade mounting. C. E. Lipuma. 2,457,479, Dec. 28.
- Supercharger. A. G. Herreshoff and A. C. Staley. 2,452,300, Oct. 26.
- Supercharger. B. Szczeniowski. 2,434,678, Jan. 20.
- Supercharger control. A. C. Staley, D. M. Borden, and W. S. Horton. 2,442,669, June 1.
- Supercharger for automotive vehicles. S. M. Udale. 2,434,726, Jan. 20.
- Supercharger regulator and surge control. H. Troeger and D. M. Lawrence. 2,441,779, May 18.
- Supercharging and scavenging internal-combustion engine. H. E. Mattice. 2,446,094, July 27.
- Superfinishing device for curved surfaces. F. Bautz. 2,435,565, Feb. 10.
- Supercharging system for internal-combustion engines. A. Lysholm. 2,444,456, July 6.
- Superheat control for refrigerating apparatus. C. E. Winchester and H. F. Lathrop. 2,449,437, Sept. 14.
- Superheterodyne radio receiver. R. F. Shea. 2,443,935, June 22.
- Superphosphate manufacture, Granulated. M. Shoeld. 2,448,126, Aug. 31.
- Supersonic measuring apparatus. P. Biquard. 2,447,485, Aug. 24.
- Supervisory apparatus, Electric. E. C. Thomson. 2,452,615, Nov. 2.
- Supervisory indicating circuit. J. Schmidinger. 2,450,450, Oct. 5.
- Supervisory signal system for water softeners. H. Wolcott. 2,439,354, Apr. 6.
- Supplemental motor vehicle seat. H. Belyeu. 2,435,733, Feb. 10.
- Supply of liquid fuel to prime mover, Automatically controlling the. E. A. Watson and R. J. Ifield. 2,450,535, Oct. 5.
- Supply system for aircraft, Fuel. R. E. Grey and E. M. Gavin. 2,440,262, Apr. 27.
- Support: See—
- Abdominal and garter support.
 - Abdominal support.
 - Acetylene torch cutter support.
 - Adjustable eaves trough support.
 - Adjustable heater support.
 - Adjustable shoring support.
 - Adjustable support.
 - Aircraft engine support.
 - Ankle support.
 - Arch support.
 - Article support.
 - Bathroom scale support.
 - Bedspring support.
 - Brake beam support.
 - Bus bar support.
 - Brake beam support.
 - Brush support.
 - Burial dress support.
 - Chime support.
 - Churn support.
 - Clothesline support.
 - Collar stay and necktie support.
 - Collar support.
 - Combination of cabinet and rotary phonograph support.
 - Compensating center support.
 - Concealed post support.
 - Conveyor support.
 - Cord support.
 - Curtain and shade support.
 - Curtain rod support.
 - Dynamic damper support.
 - Easel-type support.
 - Extensible antenna support.
 - Extensible support.
 - Filler cap support.
 - Filter lead support.
 - Folding camera support.
 - Foot support.
 - Form clamping support.
 - Galvanometer movable coil support.
 - Garden hose nozzle support.
 - Garment hanger support.
 - Hat support.
 - Heating element support.
 - Hose support.
 - Implement seat support.
 - Ironer roller extension support.
 - Jack support.
 - Lamp support.
 - Lawn nozzle support.
 - Lawn washer and sprinkler support.
 - Leveling support.
 - Lid support.
 - Loudspeaker diaphragm support.
 - Mine roof support.
 - Musical instrument support.
 - Nonmetallic plastic garment support.
 - Oarlock support.
 - Outboard motor support.
 - Outrigger type support.
 - Piezoelectric crystal support.
 - Pipe tong support.
 - Scaffold support.
 - Sheet metal cabinet shelf support.
 - Shockproof support.
 - Shoe support.
 - Sock support.
 - Sofa bed hinge support.
 - Spool support.
 - Sprinkling hose support.
 - Storm window support.
 - Switch box support.
 - Teat support.
 - Telephone handpiece support.
 - Telephone receiver support.
 - Tuck end support.
 - Universal bus-bar support.
 - Universal indicator support.
 - Universally adjustable support.
 - Vehicle support.
 - Venetian blind tilt-bar support.
 - Web roll support.
 - Wheel support.
 - Wrecking truck boom support.
 - Yarn support.
- Support. J. F. Kortan. 2,445,749, July 27.
- Support. S. E. Twaroski. 2,451,699, Oct. 19.
- Support. J. K. Wood. 2,437,631, Mar. 9.
- Support and connection, Lamp filament. I. H. Van Horn. 2,449,679, Sept. 21.
- Support and drier, Tobacco leaf. H. S. Kirkpatrick. 2,455,684, Dec. 7.
- Support and fairing, Gun. D. E. Kuska. 2,444,300, June 29.
- Support and positioning device, Car coupler. G. G. Gilpin. 2,441,625-6, May 18.
- Support and positioning means, Cathode-ray tube. D. B. Keim. 2,451,832, Oct. 19.
- Support and switch, Lamp. E. F. Arntzen. 2,453,694, Nov. 16.
- Support and traction of implements. A. F. Butch. 2,445,472, July 20.
- Support device. J. K. Wood. 2,439,067, Apr. 6.
- Support device. J. K. Wood. 2,447,830, Aug. 24.
- Support for article holders, Universal. E. M. Strickland. 2,444,541, July 6.
- Support for bed lamps. C. L. Strauss. 2,449,426, Sept. 14.
- Support for combined washing and centrifugal drying machines, Drum. E. M. Wilson. 2,436,343, Feb. 17.
- Support for containers. W. Niskanen and E. L. Christoferson. 2,448,456, Aug. 31.
- Support for conveyor belts, Roller. J. R. Sebastian. 2,457,407, Dec. 28.
- Support for crucibles and ladles. R. E. Morey and R. C. Wayne. 2,444,461, July 6.
- Support for drying paste products. S. Viviano. 2,439,115, Apr. 6.
- Support for electric wiring, Insulating. H. Dorjée. 2,456,259, Dec. 14.
- Support for electron discharge tubes, Adjustable electrode. A. K. Wing, Jr., and L. A. Backer. 2,445,814, July 27.
- Support for electrooptical apparatus. A. G. Cooley. 2,437,848, Mar. 16.
- Support for engine cooling fans. G. N. Cole. 2,438,540, Mar. 30.
- Support for garment hangers. R. M. Shoemaker and H. O. Bayler. 2,442,099, May 25.
- Support for garments and the like, Demountable. E. S. and W. D. Eakin. 2,440,631, Apr. 27.
- Support for Geiger-Mueller counters. E. H. Wakefield. 2,443,365, June 15.
- Support for golf bags. W. A. Barden. 2,453,565, Nov. 9.
- Support for hammocks. P. Richmond. 2,450,689, Oct. 5.
- Support for insulators, Mechanical. E. Pohle. 2,439,186, Apr. 6.
- Support for invalids, Portable. B. Ames. 2,437,778, Mar. 16.
- Support for milkers, Overhead. H. B. Babson. 2,454,300, Nov. 23.
- Support for multiconductor electrical cables. J. E. Gall. 2,434,918, Jan. 27.
- Support for newspaper bags. R. S. Cathey and L. D. Clarke. 2,454,732, Nov. 23.
- Support for portable fire baskets. M. H. Garfunkle. 2,447,938, Aug. 24.
- Support for spin basket for clothes-washing machines and the like. T. T. Woodson. 2,454,112, Nov. 16.
- Support for submerged area surveying. J. C. Pollard and C. F. Sellers. 2,444,669, July 6.
- Support for thermally conditioned tools, Insulated flexible. E. H. Cooper. 2,436,552, Feb. 24.
- Support for trays on folding bathtubs. M. Hollander. 2,434,800, Jan. 20.
- Support for vehicles. T. G. Howells. 2,439,623, Apr. 13.
- Support for vehicles, Crossbar. F. Fahland. 2,440,437, Apr. 27.
- Support for vibratory motors. R. J. Aust and C. Huetten. 2,443,019, June 8.
- Support for warp beam in looms. C. P. Bergstrom. 2,447,227, Aug. 17.
- Support for washing windows, Suspender window. C. Mariash. 2,457,698, Dec. 28.
- Support for wrapping machines, Folding head. O. Sandberg. 2,443,992, June 22.
- Support means for idler rollers. F. N. Smith. 2,455,100, Nov. 30.
- Support or frame, Fishing reel. N. A. Nelson. 2,451,862, Oct. 19.
- Support, separable fastener, and vibration insulator, Combined. D. L. Beam. 2,442,754, June 8.
- Support structure, Grid. L. B. Curtis. 2,454,377, Nov. 23.

- Supported aluminum chloride catalysts, Preparation of. W. H. Rupp and C. T. Harding. 2,456,326, Dec. 14.
- Supporter, Athletic. C. J. Flaherty. 2,454,507, Nov. 23.
- Supporter, Garment. R. M. Garbutt. 2,445,349, July 20.
- Supporter, Hose. S. J. Faisey. 2,447,904, Aug. 24.
- Supporter, Hose. H. Pruden. 2,443,802, June 22.
- Supporter, Vehicle spring. C. C. Wallace. 2,446,395, Aug. 3.
- Supporting arrangement. J. Markowitz. 2,457,058, Dec. 21.
- Supporting device. J. Gabel. 2,448,304, Aug. 31.
- Supporting device. L. M. Mocnik. 2,456,302, Dec. 14.
- Supporting step. R. J. White. 2,437,012, Mar. 2.
- Supporting structure. H. Long. 2,438,566, Mar. 30.
- Supporting structure, Copy camera carriage. T. E. Crockett. 2,441,687, May 18.
- Supporting structure, Folding stool. R. B. Long. 2,456,519, Dec. 14.
- Supporting structure for bearings for piston-connected shafts. J. P. Butterfield. 2,442,917, June 8.
- Supporting structures for the electrodes of electron discharge devices. F. J. G. van den Bosch and E. T. J. Tapp. 2,436,734, Feb. 24.
- Supports, Making. P. H. Planeta. 2,439,548, Apr. 13.
- Suppression of corrosion in ferrous alloy vessels in the treatment of hydrocarbons. E. Q. Camp. 2,449,585, Sept. 21.
- Suppression system, Detonation. P. J. Costa. 2,450,882, Oct. 12.
- Suppressor for moisture meters, Static. R. S. Hart. 2,457,669, Dec. 28.
- Surface active agents, Production of. B. S. Friedman and G. L. Hervet. 2,456,119, Dec. 14.
- Surface active compositions. M. Buis and D. M. Samuel. 2,434,683, Jan. 20.
- Surface-active nitrosation-sulfation products. L. J. Beckham and W. A. Fessler. 2,443,716, June 22.
- Surface-adhesiveness of articles, Reducing the. R. H. Sperzel. 2,438,622, Mar. 30.
- Surface and shear wave method and apparatus. F. A. Firestone. 2,439,130, Apr. 6.
- Surface combustion cracking furnace. E. O. Bennett. 2,436,282, Feb. 17.
- Surface condenser. S. Pennella. 2,449,616, Sept. 21.
- Surface covering, Linoleum type. P. O. Powers. 2,444,468, July 6.
- Surface covering material. F. Washburn. 2,454,239, Nov. 16.
- Surface effects to thermoplastic sheets, Imparting. T. M. Knowland. 2,446,771, Aug. 10.
- Surface for a steel lithographic plate, Protecting. C. H. Van Dusen, Jr. 2,441,653, May 18.
- Surface heater for electric ranges. F. H. McCormick. 2,442,659, June 1.
- Surface treating method and apparatus. W. H. Mead. 2,455,514, Dec. 7.
- Surfaces for aircraft, Supporting. L. Béchereau. 2,456,906, Dec. 21.
- Surfacing machine. J. J. Overzat. 2,443,194, June 15.
- Surfacing roads, Machine or apparatus for. A. S. Millikin and J. H. Apel. 2,441,532, May 11.
- Surfacing rubber. J. M. Fisher and M. M. Eakins. 2,453,748, Nov. 16.
- Surfboard, Power driven. D. M. Steele. 2,451,781, Oct. 19.
- Surge generator. S. D. Livingston. 2,448,897, Sept. 7.
- Surgeon's soap dispenser. E. J. Scarry. 2,446,109, July 27.
- Surgical anastomosis apparatus and method. W. E. Zack. 2,453,056, Nov. 2.
- Surgical appliance. H. G. Hittenberger. 2,434,883, Jan. 20.
- Surgical appliance for treating jaw and other facial bone fractures. J. L. Preston. 2,453,934, Nov. 16.
- Surgical brace. B. A. Bunyar, Jr. 2,438,144, Mar. 23.
- Surgical brace. H. G. Hittenberger. 2,453,370, Nov. 9.
- Surgical cast cutter. A. J. Hood. 2,455,008, Nov. 30.
- Surgical clamp. J. A. Morrone. 2,443,321, Aug. 31.
- Surgical device. H. H. Hopkins. 2,441,765, May 18.
- Surgical drill. J. H. Giesen. 2,439,803, Apr. 20.
- Surgical instrument. A. A. Alford. 2,443,439, June 15.
- Surgical instrument. L. L. Grose. 2,457,464, Dec. 28.
- Surgical instrument. F. W. Kulicke, Jr., and G. O. Transue. 2,442,416, June 1.
- Surgical instrument and technique. E. De Sousa. 2,447,169, Aug. 17.
- Surgical instrument, Endoscopic. W. W. Scott and A. Lutz. 2,448,741, Sept. 7.
- Surgical instrument for curetting. F. J. Moore. 2,437,329, Mar. 9.
- Surgical screw driver with screw gripping jaws. J. J. Eitinger. 2,444,287, June 29.
- Surgical table. M. G. Heitz-Boyer. 2,456,277, Dec. 14.
- Surveying instrument, Well. R. Ring. 2,450,060, Sept. 28.
- Suspended horse. W. Baltz. 2,437,015, Mar. 2.
- Suspender, Underwear supported. J. H. Campbell. 2,455,852, Dec. 7.
- Suspending agent for beverages. K. W. Karnopp. 2,448,599, Sept. 7.
- Suspending device. G. Greenberg. 2,448,588, Sept. 7.
- Suspension device, Pot. I. Bogut. 2,453,189, Nov. 9.
- Suspension for farm wagons, Resilient. G. E. Richards. 2,457,397, Dec. 28.
- Suspension for pipe tongs. A. E. Hamby. 2,454,317, Nov. 23.
- Suspension for tandem wheeled vehicles. L. E. Long. 2,451,293, Oct. 12.
- Suspension hook. C. H. Carter. 2,456,374, Dec. 14.
- Suspension means for cooling units. E. O. Sears. 2,454,012, Nov. 16.
- Suspension, Paintbrush. H. C. McCain. 2,447,764, Aug. 24.
- Suspension rack. A. E. Newman. 2,451,110, Oct. 12.
- Suspension support for electric lighting fixtures. D. J. Biller. 2,446,736, Aug. 10.
- Suspension switch. N. B. Birge. 2,443,441, June 15.
- Suspension system, Balance-testing machine rotor. C. H. Phelps. 2,457,718, Dec. 28.
- Suspension unit, particularly for motor vehicles. W. M. Heynes. 2,436,573, Feb. 24.
- Suture. E. St. Pierre. 2,437,841, Mar. 16.
- Suture making apparatus. T. R. Selby and L. L. Campbell. 2,441,601, May 18.
- Sutureless method of rectosigmoid anastomosis and apparatus therefor. T. G. Yeomans. 2,434,030, Jan. 6.
- Suturing device. L. D. Volk. 2,434,133, Jan. 6.
- Swab for the removal of fingernail polish. J. P. Luscri. 2,442,051, May 25.
- Swaging and bending, Method and apparatus for. A. E. Brickman. 2,447,155, Aug. 17.
- Swaging apparatus. G. Maurer. 2,451,759, Oct. 19.
- Swaging machine, Rotary. S. Smith. 2,443,874, June 22.
- Swatter, Insect. F. S. Kimer. 2,441,290, May 11.
- Sweatband, Hat. H. Seiden. 2,450,169, Sept. 28.
- Sweep circuit. J. W. Rieke. 2,452,683, Nov. 2.
- Sweep control for panoramic oscilloscopes. A. Packard. 2,436,447, Feb. 24.
- Sweep for radar oscilloscopes, Adjustable expanded. L. A. de Rosa. 2,454,782, Nov. 30.
- Sweeping machine, Power-driven. A. Russell. 2,448,328, Aug. 31.
- Sweepstick. J. E. Moe. 2,445,745, July 20.
- Sweet-potato starch, Production of. G. M. Dexter and F. H. Thurber. 2,443,897, June 22.
- Swell, Loom shuttle. S. Macro. 2,447,761, Aug. 24.
- Swim fin. O. P. Churchill. Re. 23,006, June 15.
- Swimming and bathing pool, Collapsible. O. J. Alvarez. 2,443,440, June 15.
- Swimming device. R. C. Bates. 2,434,032, Jan. 6.
- Swimming instruction apparatus. J. N. Borroughs. 2,434,542, Jan. 13.
- Swimming practice apparatus. J. N. Borroughs. 2,434,543, Jan. 13.
- Swing, Collapsible. M. Cooper. 2,443,786, June 22.
- Swing joint. W. F. Schaezly. 2,448,395, Aug. 31.
- Swing Rocker. E. A. Ramirez. 2,439,632, Apr. 13.
- Swing seat. N. J. Seamster. 2,444,618, July 6.
- Swirl-head separator. W. J. Kalmeyer. 2,440,860, May 4.
- Switch: See—
- Adjustable thermal limit switch.
 - Alarm switch.
 - Altitude switch.
 - Antenna disconnecting switch.
 - Automatic electric switch.
 - Automatic electric tool-holding switch.
 - Automatic starting switch.
 - Cam actuated switch.
 - Capacitor switch.
 - Centrifugal switch.
 - Centrifugally operated switch.
 - Circuit-breaking switch.
 - Circuit controlling switch.
 - Clock-controlled switch.
 - Coaxial switch.
 - Coin switch.
 - Combined thermal and magnetic flasher switch.
 - Conveyer switch.
 - Crossbar switch.
 - Curb feeler switch.
 - Deformable switch.
 - Delay action control switch.
 - Delayed action electric switch.
 - Delayed-action switch.
 - Disconnect switch.
 - Door chime control switch.
 - Double throw switch.
 - Electric control switch.
 - Electric range switch.
 - Electric switch.
 - Electrical switch.
 - Electrical time switch.
 - Electrically controlled switch.
 - Electromagnetic switch.
 - Electromagnetically controlled switch.
 - Electronic audio switch.
 - Elevator switch.
 - Equilibrated inertia switch.
 - Film spool switch.
 - Flashlight switch.
 - Float-operated switch.
 - Float switch.
 - Fluid pressure switch.
 - Frequency selecting switch.
 - Glow discharge switch.
 - Heat-pressure operated warning switch.
 - Heat responsive switch.
 - High-pressure contact switch.
 - Illuminated safety switch.
 - Inertia-actuated switch.
 - Interval switch.
 - Limit switch.
 - Lock controlled switch.
 - Lock switch.
 - Lubrication failure detector switch.
 - Moisture-proofed plunger snap switch.
 - Multiple function switch.
 - Multiple switch.
 - Periodic switch.
 - Permanent fault isolator time delay switch.
 - Permutation ignition switch.
 - Phonograph-radio switch.
 - Pin anchored electric outlet and switch.
 - Plunger switch.
 - Pneumatic switch.
 - Polarity reversing switch.
 - Preset switch.
 - Push-button stepping switch.
 - Pressure switch.
 - Protective switch.
 - Push-button switch.
 - Push-pull selector switch.
 - Quick action switch.
 - Radio circuit selector switch.
 - Radio time switch.
 - Reeling device switch.

- Switch: See—Continued
- Rotary operated reciprocating switch.
- Rotary selector switch.
- Rotary switch.
- Rotary tap switch.
- Sanding switch.
- Sealed switch.
- Selector switch.
- Single-phase motor control switch.
- Snap-action fluorescent light switch.
- Snap action thermal light switch.
- Snap switch.
- Speedometer switch.
- Starting switch.
- Suspension switch.
- Telltale control switch.
- Switch. G. H. Berkholder. 2,452,425, Oct. 26.
- Switch. I. W. Eisenberg. 2,436,958, Mar. 2.
- Switch. H. W. Graybill and P. Olsson. 2,436,296, Feb. 17.
- Switch. E. N. Jacobi. 2,440,690, May 4.
- Switch. R. P. Lansing. 2,441,888, May 18.
- Switch. C. E. Mosley. 2,448,615, Sept. 7.
- Switch. C. A. Ponti. 2,434,012, Jan. 6.
- Switch. E. W. Rickmeyer. 2,435,602, Feb. 10.
- Switch. D. Samiran and G. W. Replogle. 2,444,471, July 6.
- Switch. O. C. Traver and L. S. Walle. 2,446,859, Aug. 10.
- Switch actuating mechanism, Electric. R. A. Ohlson. 2,455,799, Dec. 7.
- Switch and holder therefor, Thermostatic. G. W. Holmes. 2,434,696, Jan. 20.
- Switch and plug box. W. J. Bauroth. 2,441,465, May 11.
- Switch apparatus, Thermal timing. F. W. Hottenroth, Jr. 2,446,831, Aug. 10.
- Switch arrangement. O. J. Alvarez and E. Osman. 2,449,799, Sept. 21.
- Switch assembly. E. L. Lees. 2,438,640, Mar. 30.
- Switch assembly, Fluid operated. F. R. Bean. 2,445,756, July 27.
- Switchboard. H. C. Graves, Jr., W. H. Schymik, and C. Bradbury. 2,441,485, May 11.
- Switchboard. W. R. Taliaferro. 2,438,025, Mar. 16.
- Switchboard, Hermetically sealed. R. K. Hellmann. 2,447,753, Aug. 24.
- Switchboard plug. H. C. Calvin. 2,440,661, Apr. 27.
- Switch box holder. E. D. Davison. 2,448,359, Aug. 31.
- Switch box holder. J. L. Sauter. 2,456,450, Dec. 14.
- Switch box support. E. B. Atkinson. 2,454,119, Nov. 16.
- Switch construction. C. W. Brown. 2,447,112, Aug. 17.
- Switch construction. S. R. Du Brie. 2,436,689, Feb. 24.
- Switch construction. E. A. Link. 2,442,464, June 1.
- Switch construction. G. R. Runke. 2,447,137, Aug. 17.
- Switch construction, Push-button. L. L. Verkuil. 2,454,295, Nov. 23.
- Switch contact, Nonarcing. W. E. De Coursey. 2,443,230, June 15.
- Switch control device. A. Buttner. 2,455,161, Nov. 30.
- Switch control, Light. J. Fanzol. 2,436,748, Feb. 24.
- Switch control means for slicing machines. M. Brustowsky. 2,456,369, Dec. 14.
- Switch control, Reverse action. R. H. Bentley. 2,451,905, Oct. 19.
- Switch controlling assembly. W. T. Knauth. 2,435,143, Jan. 27.
- Switch device. C. G. Kronmiller. 2,451,751, Oct. 19.
- Switch element. E. W. Rickmeyer. 2,436,601, Feb. 24.
- Switch for airplanes, Safety. A. E. Baak. 2,454,423, Nov. 23.
- Switch for automobiles and the like, Ignition. P. H. Childress. 2,443,977, June 22.
- Switch for automobiles, Stop light. W. R. Good. 2,435,389, Feb. 3.
- Switch for conveyor tracks. C. L. Sheets. 2,434,523, Jan. 13.
- Switch for high-frequency electrical oscillations. D. C. Espley. 2,452,113, Oct. 26.
- Switch for internal-combustion engines, Safety. C. L. Meinholdt. 2,445,625, July 20.
- Switch for internal-combustion engines, Timer. H. F. C. Rietschel. 2,454,524, Nov. 23.
- Switch for model railway construction. F. O. Patrick. 2,447,273, Aug. 17.
- Switch for phonograph circuit, Selector. A. P. Marcus and F. C. Filo. 2,448,380, Aug. 31.
- Switch for screw feeders, Cutoff. C. J. Schelling. 2,452,395, Oct. 26.
- Switch for single trace observance, Beam. C. Puckette, Jr. 2,438,717, Mar. 30.
- Switch for testing series light circuits, Bridging. R. T. Wood. 2,439,500, Apr. 13.
- Switch for tractors, Magneto cutout mercury. M. J. Smies. 2,456,799, Dec. 21.
- Switchgear. E. A. Rothfus. 2,443,664, June 22.
- Switchgear apparatus. R. S. Tusing. 2,443,669, June 22.
- Switchgear apparatus. C. P. West. 2,434,604, Jan. 13.
- Switch lever stop. H. E. Blair. 2,449,363, Sept. 14.
- Switch mechanism. A. L. Riche. 2,447,871, Aug. 24.
- Switch mechanism. F. C. Williams. 2,450,705, Oct. 5.
- Switch mechanism for automatic stokers. G. W. Crise. 2,448,779, Sept. 7.
- Temperature switch.
- Thermal time switch.
- Thermostatic switch.
- Tilt-actuated switch.
- Time-delay switch.
- Time switch.
- Timing switch.
- Tire deflation operated switch.
- Tire deflation switch.
- Tire pressure alarm switch.
- Tire pressure switch.
- Torpedo control switch.
- Unshorting switch.
- Vacuum tube electronic switch.
- Wafer switch.
- Warp switch.
- Welding line reel switch.
- Switch mounting for telecommunication systems, Selector. O. J. J. Bracke. 2,436,786, Mar. 2.
- Switch operating and locking means, Railway. O. Nell. 2,439,020, Apr. 6.
- Switch operating system, Time-delay. D. J. Abercrombie, E. A. Brettingham-Moore, and W. T. Muscio. 2,457,112, Dec. 23.
- Switch operator, Adjustable. J. M. Wehner. 2,446,681, Aug. 10.
- Switch operator for lamp tables. H. C. Engelbrecht. 2,437,809, Mar. 16.
- Switch shield housing, Ignition. A. Hallett. 2,447,749, Aug. 24.
- Switch structure. C. D. Mullin. 2,440,807, May 4.
- Switch structure. J. B. Parsons. 2,446,141, July 27.
- Switch structure. R. Penn. 2,434,954, Jan. 27.
- Switch structure, Electrical. I. E. McCabe. 2,442,981, June 8.
- Switch utilizing a plurality of discharge tubes, Register. M. den Hertog and L. A. B. Cabes. 2,447,495, Aug. 24.
- Switch with leakage compensation, Duplex. C. F. P. Rose. 2,448,623, Sept. 7.
- Switch with thermostatic safety release, Terminal. D. W. Scofield. 2,444,680, July 6.
- Switches and cabling arrangement between switches in automatic telephone systems, Contact bank of. G. T. Baker. 2,435,025, Jan. 27.
- Switching and timing unit for pneumatic relays. K. L. Tate. 2,441,044, May 4.
- Switching arrangement for selectors. B. W. Roth. 2,456,893, Dec. 21.
- Switching device. H. C. Harrison. 2,452,568, Nov. 2.
- Switching device, Electromagnetic. P. F. Rossmann. 2,453,267, Nov. 9.
- Switching device for high-frequency circuits. E. O. Wiloughby. 2,444,081, June 29.
- Switching device for oscillographs, Vibratory. H. R. Mallory. 2,439,050, Apr. 6.
- Switching device, Remote control. D. G. Crowley. 2,456,256, Dec. 14.
- Switching means. C. I. Hall. 2,443,452, June 15.
- Switching mechanism for electrical computers. J. C. Pemberton. 2,446,191, Aug. 3.
- Switching system. L. Hegy. 2,438,283, Mar. 23.
- Switching system, Automatic. R. A. Geiselman and W. H. Cuttino. 2,451,939, Oct. 19.
- Switching system, Electronic. J. H. Newitt. 2,457,173, Dec. 23.
- Switching system, Motor protective. M. C. Harrold. 2,446,474, Aug. 3.
- Swivel connection. L. G. Ehmann. 2,438,548, Mar. 30.
- Swivel connector. B. M. Holloway. 2,447,179, Aug. 17.
- Swivel coupling. P. M. Hardwick. 2,449,744, Sept. 21.
- Swivel coupling. F. J. Schenkelberger. 2,443,993, June 22.
- Swivel, Fishing line. C. M. Brown. 2,448,954, Sept. 7.
- Swivel harness, Child's. B. Zimmern. 2,437,585, Mar. 9.
- Swivel type coaxial connector. D. Warren. 2,452,168, Oct. 26.
- Swivel, Universal. R. C. Mathewson. 2,452,778, Nov. 2.
- Symmetrical space charge tube. C. F. Stromeyer. 2,441,254, May 11.
- Symmetrical xenyltriazenes in making gas expanded organic plastics, Use of. H. H. Richmond and M. Tomiuk. 2,448,154, Aug. 31.
- Symphonic instrument. A. Fuschi. 2,452,743, Nov. 2.
- Synchronising of alternating voltage sources. D. C. Espley and D. O. Walter. 2,442,123, May 25.
- Synchronized oscillator circuit. W. E. Bradley. 2,440,073, Apr. 20.
- Synchronized pulse producer. J. M. Dodds, G. J. Scoles, M. E. Haine, and R. F. Archer. 2,442,286, May 25.
- Synchronizer, Automatic control. R. E. Ruth and R. L. Harvey. 2,442,149, May 25.
- Synchronizer for cameras with curtain shutters, Flash. M. S. Jenner. 2,455,365, Dec. 7.
- Synchronizer for shutter blade and cover blind type shutters, Built-in flash. M. R. Hutchison, Jr. 2,453,321, Nov. 9.
- Synchronizing bomb sight. T. H. Barth. 2,438,532, Mar. 30.
- Synchronizing control. J. W. Drake. 2,444,923, July 13.
- Synchronizing control apparatus for multiple engines. R. L. Wilson. 2,443,438, June 15.
- Synchronizing device. L. C. Olsen. 2,451,691, Oct. 19.
- Synchronizing device for cameras, Photoflash. W. Castedello. 2,439,417, Apr. 13.
- Synchronous driving apparatus. L. J. Koci. 2,437,392, Mar. 9.
- Synchronizing mechanism. D. M. Lawrence. 2,455,070, Nov. 30.
- Synchronizing mechanism for telegraph systems. G. A. Locke. 2,442,301, May 25.
- Synchronizing system. J. H. Homrighous. 2,454,651, Nov. 23.
- Synchronizing valve. G. C. Mosher. 2,442,857, June 8.
- Synchronous electric clock motor. F. J. and R. P. Landgraf. 2,437,201, Mar. 2.
- Synchronous electric motor. W. Kohlhausen. 2,444,164, June 29.
- Synchronous electric motor. C. Swift. 2,442,316, May 25.
- Synchronous induction motor. W. A. Tolson and C. A. Meneley. 2,442,626, June 1.

- Synchronous electric motor. E. D. Bacon. 2,454,026, Nov. 16.
- Synchronous electric motor. T. Mungall, Sr. 2,455,134, Nov. 30.
- Synchronous electric motor with automatic starter. O. Schild. 2,452,958, Nov. 2.
- Synchronous motor. W. L. Hansen and I. N. Hurst. 2,450,955, Oct. 12.
- Synchronous motor control system. G. W. Heumann and R. B. Taylor. 2,444,253, June 29.
- Synchronous repeater unit. D. W. Bloser. 2,438,799, Mar. 30.
- Synergistic insecticidal compositions. E. R. McGoyran, E. L. Mayer, and F. B. Talley. 2,449,533, Sept. 14.
- Synthesis gas, Production of. H. V. Atwell. 2,448,290, Aug. 31.
- Synthesis of a penicillin-protein reaction product. B. F. Chow. 2,446,974, Aug. 10.
- Synthesis of aldehydes. W. F. Gresham, R. E. Brooks, and W. M. Bruner. 2,437,600, Mar. 9.
- Synthesis of chloral. T. H. Vaughn. 2,456,545, Dec. 14.
- Synthesis of compounds of the ascorbic acid series. W. Wenner. 2,443,487, June 15.
- Synthesis of esters. R. E. Brooks. 2,457,204, Dec. 28.
- Synthesis of hydrocarbons and oxygenated compounds. M. A. Mosesman. 2,438,449, Mar. 23.
- Synthesis of hydrocarbons with sulfur containing catalyst. E. T. Layng. 2,446,426, Aug. 3.
- Synthesis of N-aryl-maleimides. N. E. Searle. 2,444,536, July 6.
- Synthesis of nitriles. W. F. Gresham. 2,443,420, June 15.
- Synthesis of organic compounds. W. G. Lovell, M. J. Mulligan, and H. K. Lichtenwalner. 2,453,144, Nov. 9.
- Synthesis of organic compounds. L. C. Rubin. 2,448,279, Aug. 31.
- Synthesis of organic oxygen-containing compounds. W. F. Gresham and R. E. Brooks. 2,449,470, Sept. 14.
- Synthesis of polyhydroxy compounds. W. F. Gresham and R. E. Brooks. 2,451,333, Oct. 12.
- Synthesis of riboflavin. L. A. Flexser and W. G. Farkas. 2,456,395, Dec. 14.
- Synthesis of triptophane. H. R. Snyder, E. E. Howe, and A. J. Zambito. 2,447,544, Aug. 24.
- Synthesis of triptophane and intermediates therefor. H. R. Snyder and C. W. Smith. 2,447,545, Aug. 24.
- Synthesis of unsaturated ketones. G. E. Lukes and R. C. Swann. 2,457,696, Dec. 28.
- Synthesizing carbazole. F. E. Cislak and A. L. Kranzfelder. 2,456,378, Dec. 14.
- Synthetic adsorbent for separating hydrocarbons. J. F. Black. 2,442,191, May 25.
- Synthetic bristles for brushes, Manufacturing. J. J. Gregory. 2,455,759, Dec. 7.
- Synthetic hydrocarbons containing oxygenated compounds of hydrocarbons of high octane value, Conversion of. J. H. Grahame. 2,452,121, Oct. 26.
- Synthetic plastic pad. R. W. Fornwalt. 2,442,405, June 1.
- Synthetic resin and members produced therefrom. R. H. Runk and R. D. Jerabek. 2,454,210, Nov. 16.
- Synthetic resins, Continuous process for the manufacture of. H. G. Houlton. 2,456,192, Dec. 14.
- Synthetic resins and preparation thereof by reacting an alkyl benzene, a phenolic compound, and a dihaloalkane. H. S. Bloch. 2,453,298, Nov. 9.
- Synthetic rubber composition containing a reaction product of sulfur dichloride, an aldehyde and an alkyl phenol. H. E. Albert. 2,445,737, July 20.
- Synthetic rubber latices. Creaming of. E. Arundale. 2,444,801, July 6.
- Synthetic rubberlike materials. W. C. Mast, C. E. Rehberg, and C. H. Fisher. 2,449,612, Sept. 21.
- Synthetic rubber reclaimed with a reclaiming oil composed of solvent naphtha and an aromatic hydrocarbon oil. F. W. Corkery. 2,449,879, Sept. 21.
- Synthetic rubber with sulfur containing mineral oil extract, Compounding. F. S. Rostler. 2,442,781, June 8.
- Syringe and ampoule therefor, Hypodermic. N. J. Poux. 2,453,589, Nov. 9.
- Syringe, Hypodermic. M. L. Lockhart. 2,457,313, Dec. 28.
- Syringe, Hypodermic. N. J. Poux. 2,453,590-91, Nov. 9.
- Syringe, Hypodermic. A. E. Smith. 2,449,968, Sept. 21.
- Syringe, Hypodermic ampoule. G. E. Jones. 2,456,001, Dec. 14.
- Syringe, Medical. S. J. Everett. 2,444,982, July 13.
- Syringe, Pediatric. F. T. Roberts. 2,453,814, Nov. 16.
- Syringe, Vaccination. G. N. Overton. 2,437,920, Mar. 16.
- System and apparatus for fuel ignition. G. M. Shipp. 2,436,079, Feb. 17.
- System for aligning receiver and transmitter circuits. J. F. Byrne. 2,447,392, Aug. 17.
- System for comparison or analysis of information. W. A. Tolson. 2,438,588, Mar. 30.
- System for controlling lighting circuits. E. F. Ziegler. 2,446,450, Aug. 3.
- System for corrosion protection. G. L. Young. 2,454,956, Nov. 30.
- System for determining the direction of a source of sound. C. H. Waterman. 2,438,528, Mar. 30.
- System for directing radio waves. H. B. De Vore. 2,453,414, Nov. 9.
- System for dispensing a liquefied gas. O. A. Hansen. 2,449,378, Sept. 14.
- System for filters, Wet cleanout. N. L. Cooperider. 2,435,201, Feb. 3.
- System for focusing and for directing radio-frequency energy. H. A. Iams. 2,442,951, June 8.
- System for handling massecuite. E. Roberts. 2,442,471, June 1.
- System for improving operation of electrical hygrometers in radiosondes. C. B. Pear, Jr. 2,444,111, June 29.
- System for magnetic deflection in cathode-ray tubes. J. Haantjes. 2,455,171, Nov. 30.
- System for navigating aircraft. H. M. Lewis. 2,439,663, Apr. 13.
- System for object detection and distance measurement. M. Elle, H. Gutton, J. J. Hugon, and M. Ponte. 2,433,838, Jan. 6.
- System for operating electric discharge tubes. C. Masciarelli. 2,455,791, Dec. 7.
- System for polyphase motors, Delayed restarting. G. E. Kaiser. 2,444,295, June 29.
- System for providing an energizing direct current. D. H. Mitchell. 2,439,409, Apr. 13.
- System for radio direction finding and similar purposes. R. Hardy. 2,447,502, Aug. 24.
- System for receiving sounds in the presence of disturbing noises. L. J. Sivan. 2,444,069, June 29.
- System for reproducing angular motion at a distance. W. T. White and H. Harris, Jr. 2,441,175, May 11.
- System for sound ranging. E. E. Turner, Jr. 2,435,253, Feb. 3.
- System for transferring package freight. G. F. Bloemers. 2,447,559, Aug. 24.
- System for transmitting and recording indications of measuring devices to distant points. R. K. McAlpine, J. B. Retallack, and G. R. Stibitz. 2,444,202, June 29.
- System for transmitting intelligence. R. Bown. 2,436,376, Feb. 24.
- System for transmitting motion from a movable measuring element to a movable informing element. W. P. Powers. 2,453,098, Nov. 2.
- System for true amplitude modulation of a radio wave. D. B. Kecer. 2,439,661, Apr. 13.
- System for visual code signaling. G. M. Jones and O. A. Akin. 2,436,515, Feb. 24.
- System of deicing for aircraft, vessel, etc. W. C. Hasselhorn. 2,435,003, Jan. 27.
- System of generator regulation. W. J. Rady. 2,453,341, H. D. Russell. 2,453,347, Nov. 9.
- System of threading needles. R. Huning. 2,448,432, Aug. 31.
- System utilizing the energy of the waves. A. Gay. 2,441,759, May 18.
- T-square head. J. Brockley. 2,435,529, Feb. 3.
- Tab control mechanism. H. J. Davis. 2,435,922, Feb. 10.
- Tab reminder device. L. R. and J. H. Allen, and R. L. Kabitsch. 2,452,217, Oct. 26.
- Tab shifting means on printing devices. W. T. Gollwitzer. 2,441,064, May 4.
- Table: See—
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| Abrasive blast table. | Glass topped tennis table. |
| Automobile service table. | Hosiery drying table. |
| Baby dining-play table. | Massage table. |
| Bed table. | Mechanical pool table. |
| Burn bath table. | Oscillating tilt drop adjusting table. |
| Child's convertible chair table. | Portable projector table. |
| Color process registration table. | Portable surgical table. |
| Convertible space saving table. | Refectory table. |
| Convertible table. | Saw table. |
| Cutting table. | Sectional dining table. |
| Drafting table. | Self-serving table. |
| Drawing table. | Shiftable bed rail table. |
| Extension table. | Spacing table. |
| Folding dinette table. | Surgical table. |
| Folding kitchen table. | Therapeutic exercise table. |
| Folding picnic table. | Tilt table. |
| Folding table. | Vertically adjustable book-keeper's table. |
- Table. M. C. Shillady. 2,447,141, Aug. 17.
- Table and benches, Folding. G. H. Repke. 2,436,730, Feb. 24.
- Table and chair, Combination. R. S. Athey. 2,454,118, Nov. 16.
- Table and electrically heated hot plates, Combined. F. J. Jenkins. 2,439,133, Apr. 6.
- Table and ironing board. M. R. Van Dusen. 2,440,990, May 4.
- Table apparatus for use in servicing trucks and wheels of railway vehicles, Drop. A. W. Skinner. 2,454,226, Nov. 16.
- Table assembly for automobiles. J. M. Cercownay. 2,451,275, Oct. 12.
- Table construction. W. A. Hillenbrand. 2,456,415, Dec. 14.
- Table cutlery handle. S. H. Barnes. 2,440,136, Apr. 20.
- Table drive mechanism. L. I. Yeomans and D. Clausen. 2,451,899, Oct. 19.
- Table for band saws with means for retracting the table from the cutting plane after each cutting stroke, Reciprocating work. W. Lasar. 2,445,676, July 20.
- Table for infants, Combination bath and dressing. I. E. Stine and H. A. La Fayette. 2,456,845, Dec. 21.
- Table for vehicles. W. M. Keller. 2,437,162, Mar. 2.
- Table structure. H. Howe. 2,440,859, May 4.
- Table top construction. J. Stanitz. 2,439,027, Apr. 6.

- Table with sectional top, Folding. M. J. Misko. 2,451,763, Oct. 19.
- Tablet dispenser. H. V. Dwyer. 2,434,993, Jan. 27.
- Tabulating mechanism for accounting machines, Forward and reverse. J. T. Davidson, P. H. Williams, L. N. Seaman, J. R. Ganger, J. H. Crawford, and H. F. Sedgebury. 2,442,402, June 1.
- Tachometer and accelerometer, Combined. T. W. Brown. 2,444,630, July 6.
- Tachometer distributor drive. F. C. Mansen. 2,443,046, June 8.
- Tacker. K. F. Morberg. 2,456,526, Dec. 14.
- Tag holder for laundry marking machines. G. Petty. 2,442,094, May 25.
- Tag printing machine. E. W. and C. A. Flood. 2,438,118, Mar. 23.
- Tags, Making identification. J. S. Pecker. 2,451,355, Oct. 12.
- Tailgate for highway vehicles. J. J. Black. 2,453,617, Nov. 9.
- Tail gate for rear dump bodies, Semistationary. V. L. Snow. 2,439,555, Apr. 13.
- Takedown bow. F. B. Bear. 2,457,793, Dec. 28.
- Takedown type swing-out-of-the-way wall bracket. R. E. McLean. 2,454,664, Nov. 23.
- Take-off device, Power. J. H. Burrell and P. E. Richey. 2,450,080, Sept. 28.
- Takeup mechanism. H. H. Merwin and A. C. Nystrom. 2,454,329, Nov. 23.
- Take-up mechanism. G. F. Owens. 2,443,267, June 15.
- Taking off power from the drive transmission of motor vehicles. J. C. Haefeli. 2,453,685, Nov. 9.
- Tall oil, Hydrogenation of. H. Bliss and W. C. Sussky. 2,451,377, Oct. 12.
- Tall oil, Solvent fractionation of. L. O. Cummings and H. A. Vogel. 2,444,730, July 6.
- Tall oil treatment. V. K. Babayan. 2,441,198, May 11.
- Tall oil, Treatment of. N. L. Kalman. 2,441,197, May 11.
- Tall oil, Utilization of. M. K. Bare and W. Stubblebine. 2,439,377, Apr. 13.
- Tamping roller, Self-propelled. J. F. Harrison and C. F. Greiner. 2,437,524, Mar. 9.
- Tampon, sanitary napkin, surgical dressing, insulating material, filter cartridge, upholstery, and the like. F. W. Manning. 2,437,265, Mar. 9.
- Tampons, Manufacture of absorbent. H. Ganz. 2,455,925, Dec. 14.
- Tandem axle assembly. W. C. Nabors. 2,445,686, July 20.
- Tank: See—
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| Brine tank. | Hot-water tank. |
| Concrete septic tank. | Lubricant filtering and dispensing tank. |
| Enclosed electroplating tank. | Self-sealing fuel tank. |
| Film tank. | Sludge settling and dewatering tank. |
| Flush tank. | |
| Fuel tank. | |
- Tank and cooler assembly, Oil. R. M. Heintz. 2,450,960, Oct. 12.
- Tank, Bait. W. H. Burruss. 2,438,739, Mar. 30.
- Tank cap lock. R. A. Myers. 2,436,016, Feb. 17.
- Tank circuits, High-frequency. F. B. Llewellyn. 2,453,716, Nov. 16.
- Tank cleaning apparatus. C. C. Melton. 2,446,338, Aug. 3.
- Tank cleaning method. E. D. Butcher, Jr. 2,443,721, June 22.
- Tank construction, Self-sealing fuel. R. A. Crawford. 2,446,811, Aug. 10.
- Tank construction, Self-sealing fuel. J. M. Davies, J. J. Shipman, and W. L. Davidson. 2,446,815, Aug. 10.
- Tank containing conditioning material and a receptacle therewithin containing different conditioning material, Fluid conditioning. C. T. McGill. 2,435,975, Feb. 17.
- Tank cradle, Oxygen. J. F. Homer. 2,434,655, Jan. 20.
- Tank for hydrocarbon fuels, Improved. J. A. Merrill and L. B. Sebrell. 2,440,965, May 4.
- Tank for lubricating systems, Oil. E. Landis. 2,435,359, Feb. 3.
- Tank for refrigerator cars, Refrigerant. E. R. Battley and G. E. McCoy. 2,434,062, Jan. 6.
- Tank for storing liquids at high or low temperatures, Vacuum. G. T. Horton. 2,451,486, Oct. 19.
- Tank for thermoplastic material, Dip. W. H. Lerner. 2,454,286, Nov. 23.
- Tank for toilet or the like, Combination flush and storage. H. Duckenfield. 2,434,399, Jan. 13.
- Tank mechanism, Flush. J. S. Milne. 2,449,948, Sept. 21.
- Tank top. F. L. Plummer. 2,452,146, Oct. 26.
- Tank track. W. J. Bigley, Jr. 2,435,194, Feb. 3.
- Tank type suction cleaner. E. A. French. 2,447,500, Aug. 24.
- Tank unit with submerged valve and external pump. H. H. Schmiel. 2,456,651, Dec. 21.
- Tank valve. L. D. James. 2,446,767, Aug. 10.
- Tank with concentric compartments and with conduits below an inner bottom portion, Liquid treatment. J. Galandak and E. A. Kamp. 2,436,749, Feb. 24.
- Tank with sludge removal means therefor, Liquid treatment. F. D. Prager. 2,444,671, July 6.
- Tanning with chromiates of lignin sulfonic acids. E. A. Robinson and R. M. Beach. 2,437,044, Mar. 2.
- Tap changer, Motor operated. H. J. Carlin and J. F. Chapman. 2,447,634, Aug. 24.
- Tap changing system. O. P. McCarty. 2,434,503, Jan. 13.
- Tap, Collapsing. R. M. Strickland. 2,438,626, Mar. 30.
- Tap, Dancing. F. J. Du Mont and D. H. Sargent. 2,443,609, June 22.
- Tap, Dancing. F. J. Du Mont and D. H. Sargent. 2,443,727, June 22.
- Tap holder. B. H. Jordan. 2,450,238, Sept. 28.
- Tap, Plug. L. Ludwig. 2,446,709, Aug. 10.
- Tap wrench. J. L. Stark. 2,445,977, July 27.
- Tapped fastener. A. P. Brush. 2,448,351, Aug. 31.
- Tappet-actuating member. A. Chase. 2,444,495, July 6.
- Tappet construction. J. H. Hoern and M. D. Archangeli. 2,434,072, Jan. 6.
- Tappet, Self-adjusting. G. H. Hufferd. 2,442,566, June 1.
- Tappet, Self-adjusting. L. Vandervoort. 2,442,575, June 1.
- Tape, Abrasive and polishing. M. G. L. Wallich. 2,442,107, May 25.
- Tape advancing and retracting means. F. W. Heyel. 2,456,414, Dec. 14.
- Tape advancing device, Record. J. A. Spencer and J. C. Warwick, Jr. 2,451,365, Oct. 12.
- Tape applying device, Adhesive. G. C. Luebke. 2,452,584, Nov. 2.
- Tape applying machine for use in the manufacture of shoes. H. D. Elliott. 2,453,212, Nov. 9.
- Tape cutting attachment for spools. S. Gaydos, Jr. 2,436,166, Feb. 17.
- Tape dispenser. H. C. Gould. 2,452,299, Oct. 26.
- Tape dispenser. D. Marinsky. 2,447,518-19, Aug. 24.
- Tape dispenser. E. W. Mason. 2,453,028, Nov. 2.
- Tape dispenser. P. Van Cleef and F. Chonacki. 2,434,776, Jan. 20.
- Tape dispenser. P. Van Cleef and F. Chonacki. 2,447,145, Aug. 17.
- Tape for electric cable, Semiconducting. C. E. Plass and D. J. Sullivan. 2,437,708, Mar. 16.
- Tape for slide fasteners. O. Firing and R. M. Gibbons, Jr. 2,437,734, Mar. 16.
- Tape, Ladder. G. F. Brent. 2,457,442, Dec. 28.
- Tape loom. R. J. Bartholomew. 2,453,181, Nov. 9.
- Tape or sheet, Composite flexible moistureproof wrapping. C. F. Hesselroth. 2,444,443, July 6.
- Tape perforator. R. G. Schuler. 2,456,740, Dec. 21.
- Tape reel housing construction, Measuring. F. J. Mortimer. 2,449,406, Sept. 14.
- Tape slitting machine. L. E. Pamphilon. 2,454,003, Nov. 16.
- Taper thread gage. G. E. Childs. 2,435,268, Feb. 3.
- Tapered union for concentric conductor lines. A. L. Robinson. 2,453,759, Nov. 16.
- Target, Adjustable perimeter. C. A. Ellis. 2,451,932, Oct. 19.
- Target, Animated. I. D. Wallach. 2,445,844, July 27.
- Target exchange device, Tow. M. L. Pyle. 2,435,980, Feb. 17.
- Target for a ball game. J. C. Heath. 2,446,702, Aug. 10.
- Target machine, Moving. N. Suydam. 2,456,034, Dec. 14.
- Target, Motion-picture. P. Bergh. 2,456,857, Dec. 21.
- Target practice apparatus. P. G. Hawe. 2,456,828, Dec. 21.
- Target throwing device. F. G. du Pont. 2,455,661, Dec. 7.
- Taste-impairing organic substances contained in cocoa berries, Removing the non-desirable. O. E. Widen. 2,441,861, May 18.
- Tax computing device. M. J. Harwood. 2,453,909, Nov. 16.
- Tears in thermoplastic material, Preventing. W. S. Cloud. 2,442,757, June 8.
- Teat draining tube. H. A. Alcorn. 2,450,217, Sept. 28.
- Teat support. L. Schwarzmayr. 2,441,908, May 18.
- Tedder attachment for power mower sickle bars, Reciprocating. P. F. Brown. 2,448,078, Aug. 31.
- Tee for golf balls. J. W. Hughes. 2,440,473, Apr. 27.
- Teeth cleaning and polishing applicator. G. A. Kempster. 2,443,461, June 15.
- Teeth setter for saws. B. N. and J. B. Engle. 2,441,403, May 11.
- Telecentric projection lens. H. F. Bennett. 2,445,594, July 20.
- Telecommunication switching system. G. Deakin. 2,454,780, Nov. 30.
- Telegraph signal impulse measuring device. H. F. Wilder. 2,435,258, Feb. 3.
- Telegraph signal recorder, Facsimile. R. J. Wise and R. D. Parrott. 2,444,484, July 6.
- Telegraph signals, Producing facsimile. B. L. Kline and R. W. Harris. 2,435,223, Feb. 3.
- Telegraph system. W. M. Bacon. 2,454,301, Nov. 23.
- Telegraph system and apparatus, Facsimile. R. J. Wise. 2,450,030, Sept. 28.
- Telegraph system, Frequency-shift. M. G. Crosby. 2,446,077, July 27.
- Telegraph system provided with channel assurance and transmission regulation. E. Praizner. 2,439,398, Apr. 13.
- Telegraph system, Simultaneous plural frequency start-stop. L. Devaux. 2,435,035, Jan. 27.

- Telegraph transmitter, Automatic message numbering. L. M. Potts. 2,451,045, Oct. 12.
 Telemetering. H. J. Lovegrove. 2,446,290, Aug. 3.
 Telemetering actuator, Rate of flow. S. L. Adelson. 2,439,121, Apr. 6.
 Telemetering apparatus. F. G. Patterson and M. W. Sims. 2,456,430, Dec. 14.
 Telemetering apparatus of the impulse-duration class. G. M. Thynell. 2,451,129, Oct. 12.
 Telemetering system. W. A. Derr. 2,438,000, Mar. 16.
 Telemetering transmitter. R. A. Cole and D. I. Smith. 2,437,242, Mar. 9.
 Telemetric indicating system, Electrical vernier type. C. A. De Giers and L. M. Campani. 2,448,783, Sept. 7.
 Telemetric signals during time-spaces therebetween, Measurement of. W. E. Phillips and F. Wunsch. 2,441,226, May 11.
 Telemetric system. G. M. Giannini and J. F. Manildi. 2,441,760, May 18.
 Telemetric system. H. T. Hoffman. 2,453,686, Nov. 9.
 Telephone circuit. H. M. Huges. 2,452,239, Oct. 26.
 Telephone exchange system. G. Deakin. Re. 23,054, Dec. 7.
 Telephone handpiece support. A. G. Wahl. 2,447,721, Aug. 24.
 Telephone handset bracket. S. G. Sears. 2,443,329, June 15.
 Telephone headbands. H. R. Warnke. 2,434,251, Jan. 13.
 Telephone receiver support. F. Anderson. 2,435,816, Feb. 10.
 Telephone set. C. A. Knorr. 2,438,922, Apr. 6.
 Telephone stand and memo pad and pencil, Combinator illuminated. S. J. Beitch and S. Fine. 2,437,237, Mar. 9.
 Telephone subscriber's set illumination. O. A. Shann. 2,455,816, Dec. 7.
 Telephone subset, Cradle-type. K. W. Nilsson. 2,443,799, June 22.
 Telephone substation set. H. F. Obergfell. 2,439,218, Apr. 6.
 Telephone system. J. Davidson, Jr. Re. 22,958, Jan. 6.
 Telephone system, Butt-in. E. Cohrt. 2,444,033, June 29.
 Telephone system employing key type call transmitter. G. Deakin. 2,438,496, Mar. 30.
 Telephone system having a calling and supervisory signaling device. D. H. Young and F. R. Mallalieu. 2,435,302, Feb. 3.
 Telephone system, Intercommunicating. K. W. Graybill. 2,448,428, Aug. 31.
 Telephone system, Radio carrier. L. A. Kelley. 2,442,815, June 8.
 Telephone system, Rate-based restricted service. J. E. Ostline. 2,445,000, July 13.
 Telephone system, relay automatic. J. H. Voss. Re. 23,056, Dec. 7.
 Telephone system, Revertive ringing automatic. J. I. Belamy. 2,443,945, June 22.
 Telephone system, Time division multiplex. C. H. Homrighous. 2,434,697, Jan. 20.
 Telephone system, Time division multiplex. J. H. Homrighous. 2,434,698, Jan. 20.
 Telephone system utilizing a register controller. J. Kruithof, L. Kozma, and M. den Hertog. 2,452,578, Nov. 2.
 Telephone system utilizing register controlled final selector switches. J. Kruithof and M. D. Hertog. 2,454,809, Nov. 30.
 Telephone terminal. W. C. Hasselhorn. 2,436,431, Feb. 24.
 Telescope attachment for firearms. J. W. Horvath. 2,437,744, Mar. 16.
 Telescopic firearm. G. W. Patchett. 2,437,548, Mar. 9.
 Telescope mount. J. C. Garand. 2,449,551, Sept. 21.
 Telescope mounting for guns. E. F. Bengert. 2,445,595, July 20.
 Telescope sight mounting. R. H. Pike. 2,452,145, Oct. 26.
 Telescope stand. H. W. Allen. 2,448,406, Aug. 31.
 Telescopic fishing rod. J. H. Peters. 2,452,788, Nov. 2.
 Telescopic hydraulic jack. R. Houldsworth. 2,438,285, Mar. 23.
 Telescoping cigarette case. J. W. Irwin. 2,454,455, Nov. 23.
 Telescoping joint. A. V. Ditty. 2,437,510, Mar. 9.
 Telescriber system utilizing carrier transmission of four intelligences. F. H. Shepard, Jr. 2,455,617, Dec. 7.
 Teletacing system, Luminous. S. Rey. 2,446,392, Aug. 3.
 Teletype apparatus. T. R. Harvill and L. Wroblewski. 2,445,780, July 27.
 Television amplifier. K. Schlesinger. 2,444,854, July 6.
 Television background control system. C. E. Hallmark. 2,434,405, Jan. 13.
 Television cabinet. J. I. Stein. 2,438,256, Mar. 23.
 Television, Color. P. C. Goldmark. 2,435,963, Feb. 17.
 Television, Color. P. C. Goldmark. 2,437,690, Mar. 16.
 Television, Color. P. C. Goldmark and J. N. Dyer. 2,435,962, Feb. 17.
 Television, Color. G. C. Sziklai. 2,457,415, Dec. 28.
 Television image tube. M. Cawein. 2,437,418, Mar. 9.
 Television projection tube. B. J. Edwards. 2,453,003, Nov. 2.
 Television receiver circuits and apparatus. R. G. Clapp. 2,438,359, Mar. 23.
 Television relief picture system. C. C. Larson and C. E. Hallmark. 2,436,516, Feb. 24.
 Television system. P. H. Craig. 2,444,221, June 29.
 Television system. A. W. Friend. 2,451,026, Oct. 12.
 Television system, Color. J. A. Buckbee. 2,438,269, Mar. 23.
 Television system, Color. L. de Forest. 2,452,293, Oct. 26.
 Television system, Color. C. S. Szegeh. 2,455,710, Dec. 7.
 Television transmitting tube. F. K. Weiner. 2,433,941, Jan. 6.
 Telltale control switch. R. R. Fredrick. 2,449,213, Sept. 14.
 Telltale device. A. Mayer. 2,442,275, May 25.
 Temperature compensated electrical bridge circuit. K. J. Knudsen. 2,443,073, June 8.
 Temperature compensated magnetron. P. L. Spencer. 2,449,090, Sept. 14.
 Temperature compensated meter. W. H. Marsh. 2,438,934-5, Apr. 6.
 Temperature compensated relay. F. A. Swing. 2,443,968, June 22.
 Temperature compensated variable inductance. J. F. Bell. 2,437,345, Mar. 9.
 Temperature compensated wave propagation device. W. L. Bond and G. W. Willard. 2,434,255, Jan. 13.
 Temperature compensation means for fixed reactances in tunable circuits. T. A. Hunter. 2,439,809, Apr. 20.
 Temperature control apparatus. C. E. Anderson. 2,448,289, Aug. 31.
 Temperature control device. F. D. Bennett and T. A. Newkirk. 2,438,109, Mar. 23.
 Temperature control, Electronic. M. A. McLennan. 2,455,379, Dec. 7.
 Temperature control for engines. H. R. Greenlee. 2,438,161, Mar. 23.
 Temperature control for refrigerated open-top display cases, Automatic. R. E. Davis. 2,444,593, July 6.
 Temperature control in fluidized catalyst systems. C. W. Tyson. 2,438,728, Mar. 30.
 Temperature control system. R. H. Hunter. 2,437,468, Mar. 9.
 Temperature control system. I. E. Wiegers. 2,436,275, Feb. 17.
 Temperature control system, Bearing. R. P. and J. R. Garison. 2,452,046, Oct. 26.
 Temperature controlled actuating mechanism. C. A. West. 2,439,706, Apr. 13.
 Temperature controlling device. V. Weber. 2,454,682, Nov. 23.
 Temperature controlling device, Fluid. L. E. Skelly and H. F. Brinen. 2,439,871, Apr. 20.
 Temperature indicator control circuit. G. Camilli. 2,435,070, Jan. 27.
 Temperature measuring and control system, Piezoelectric. R. K. Blackburn. 2,456,811, Dec. 21.
 Temperature measuring system with maximum or minimum selector. J. P. Boston. 2,444,421, July 6.
 Temperature or pressure responsive variable frequency oscillator. F. Rieber. 2,447,817, Aug. 24.
 Temperature regulated cooling circuit. F. Wiesendanger. 2,457,618, Dec. 28.
 Temperature regulator. C. D. Branson. 2,447,560, Aug. 24.
 Temperature responsive control device. R. A. Wittmann. 2,446,353, Aug. 3.
 Temperature responsive device. R. W. Cobean. 2,454,552, Nov. 23.
 Temperature responsive motor control system. J. L. Breese. 2,434,347, Jan. 13.
 Temperature responsive variable frequency oscillator. F. Rieber. 2,447,816, Aug. 24.
 Temperature stable dielectric and making same. E. Wainer. 2,436,840, Mar. 2.
 Temperature switch. C. D. Spracher. 2,442,830, June 8.
 Template, Dental. R. O. Dickson. 2,448,085, Aug. 31.
 Temple for eyeglasses, Adjustable. W. R. Jackson. 2,443,249, June 15.
 Temporary protective coatings, Applying. B. M. Pineles. 2,441,227, May 11.
 TempORIZING or delay device. E. Ascoli. 2,447,151, Aug. 17.
 Tender and water scoop, Locomotive. C. F. Kantola. 2,438,397, Mar. 23.
 Tendering properties of textiles dyed with yellow to orange vat dyestuffs by treatment with certain nitrogenous resins. A. Landolt. 2,435,591, Feb. 10.
 Tenderizing machine, Meat. G. M. Richard. 2,450,688, Oct. 5.
 Tennis ball. L. S. M. Lejeune. 2,453,143, Nov. 9.
 Tennis racket. I. L. Rosenbalm. 2,456,023, Dec. 14.
 Tension bolt joint. H. W. Earhart. 2,441,188, May 11.
 Tension device. C. O. Bruestle. 2,445,600, July 20.
 Tension device. H. J. McDermott. 2,438,180, Mar. 23.
 Tension garter, Nonelastic constant equalized. J. N. Rhodes. 2,442,905, June 8.
 Tension measuring device. J. D. Campbell. 2,444,245, June 29.
 Tensioned roving and forming same. R. B. Newton. 2,454,830, Nov. 30.
 Tensioning device, Thread. R. N. Toone. 2,451,889, Oct. 19.
 Tensioning device, Yarn. R. Dewas. 2,457,450, Dec. 28.
 Tent. J. H. Claus. 2,434,685, Jan. 20.

- Tent structure. W. E. Lee. 2,454,464, Nov. 23.
 Tenter machine clip. J. C. Nash. 2,437,967, Mar. 16.
 Terminal and clamp therefor. G. W. Harper. 2,445,946, July 27.
 Terminal and coil, Electric. M. W. Sims. 2,445,587, July 20.
 Terminal attachment for crutches and the like. H. B. Bowen and A. M. Vineberg. 2,453,742, Nov. 16.
 Terminal bushing, Electrical. R. S. Diethert. 2,457,535, Dec. 28.
 Terminal, Cable. V. J. Andrew. 2,438,489, Mar. 30.
 Terminal connection and making the same. N. J. Poux. 2,451,773, Oct. 19.
 Terminal, Distributing. J. W. Channell. 2,434,102, Jan. 6.
 Terminal fitting, Flat. W. A. Meighan. 2,439,141, Apr. 6.
 Terminal for electric discharge tubes. G. E. Shoemaker. 2,450,999, Oct. 12.
 Terminal for electrically heated irons. F. Kuhn and L. H. Thomas. 2,436,753, Feb. 24.
 Terminal for metal-bending jacks, Strut. W. H. Ferguson and J. W. Geddes. 2,455,664, Dec. 7.
 Terminal for vacuum tubes, Contact. S. J. Koch. 2,448,808, Sept. 7.
 Terminal, High-voltage. W. Dublier. 2,450,273, Sept. 28.
 Terminal member. C. J. Foster. 2,456,118, Dec. 14.
 Terminal replacement for sealed refrigeration units. W. Wagner. 2,451,701, Oct. 19.
 Terminal structure. J. W. Fraser and L. Gordon. 2,450,423, Oct. 5.
 Terminal structure and manufacture, Lamp. P. O. Cartun. 2,447,159, Aug. 17.
 Terminal structure for refrigerating apparatus. A. A. McCormack. 2,438,572, Mar. 30.
 Terminals to insulator cards, Attaching electrical. L. A. Bartelheim. 2,441,181, May 11.
 Termination for electric power cables. E. C. Lee. 2,452,580, Nov. 2.
 Ternary interpolymers of styrene, maleic anhydride and acrylonitrile. R. B. Seymour and J. P. Kispersky. 2,439,227, Apr. 6.
 Terpene derivatives and producing the same. W. O. Israel. 2,440,093, Apr. 20.
 Terpene isomerization. A. L. Rummelsburg. 2,444,790, July 6.
 Terpene product. D. A. Lister. 2,437,857, Mar. 16.
 Terpenes, Sulfurizing. R. W. Watson. 2,445,983, July 27.
 Terracing machine. H. H. Taylor. 2,434,818, Jan. 20.
 Tertiary amines, Making. L. P. Kyrides and F. B. Zienty. 2,457,048, Dec. 21.
 Test prints of photographic color print material by three nonuniform part exposures of a test triangle to three colors, Device to make. A. Simmon and L. L. Weisglass. 2,450,307, Sept. 28.
 Test prints on color print material, Making. A. Simmon and L. L. Weisglass. 2,446,112, July 27.
 Test probe. W. C. Reichard. 2,438,350, Mar. 23.
 Test set, Continuity and short-circuit. H. N. Snook. 2,434,336, Jan. 13.
 Test system, Temperature controlled. G. L. Prudhon and R. W. Spikula. 2,455,520, Dec. 7.
 Test tube holder. B. A. Van Hynning. 2,441,734, May 18.
 Tester, Condenser. E. W. Aiken. 2,450,872, Oct. 12.
 Tester, Flexible packer. M. Mennecker. 2,441,894, May 18.
 Tester for electrical shieldings. S. L. Shive. 2,446,195, Aug. 3.
 Tester, Gear. G. G. Widen and R. J. Helgerud. 2,447,445, Aug. 17.
 Tester, Hardness. M. A. Chester. 2,448,486, Aug. 31.
 Tester, Hardness. W. A. Williams. 2,448,645, Sept. 7.
 Tester, Magnet. V. Russell. 2,442,618, June 1.
 Tester, Mutual conductance. O. J. Morelock. 2,456,833, Dec. 21.
 Tester, Powder. A. Africano. 2,448,203, Aug. 31.
 Tester, Spot weld. F. B. Jacob. 2,453,576, Nov. 9.
 Testing and like apparatus, Compression. B. G. Marshall. 2,447,586, Apr. 24.
 Testing apparatus, Brittle point. C. K. Chatten and S. A. Eller. 2,450,880, Oct. 12.
 Testing apparatus, Electrical. E. Arnold. 2,436,415, Feb. 24.
 Testing apparatus, Flatness. F. M. Brown. 2,446,628, Aug. 10.
 Testing apparatus for insulated electric cables and wire, Spark. J. H. Savage. 2,454,011, Nov. 16.
 Testing arrangement for fender switches in telephone systems. J. W. McClew and O. A. Pearce. 2,442,092, May 25.
 Testing cables. A. Mahren. 2,438,932, Apr. 6.
 Testing chamber. A. H. Heineman. 2,439,806, Apr. 20.
 Testing device, Electromagnetic. F. Dedek. 2,440,575, Apr. 27.
 Testing device for electric tools and appliances. J. H. Kirkpatrick, Jr. 2,442,771, June 8.
 Testing device for sound projector. O. M. Owsley. 2,451,509, Oct. 19.
 Testing device, Hydrostatic. H. D. O'Neil. 2,450,909, Oct. 12.
 Testing device, Meter. A. E. Booth. 2,453,191, Nov. 9.
 Testing instrument, Capacitor. A. C. Williams. 2,455,543, Dec. 7.
 Testing machine, Electrical conductivity. P. F. Darby and L. A. Nevala. 2,451,613, Oct. 19.
 Testing machine, Impact. R. U. Hofmann. 2,450,662, Oct. 5.
 Testing method for polystyrene. A. J. Warner. 2,436,841, Mar. 2.
 Testing wire, Method and apparatus for. P. C. Clarke. 2,435,772, Feb. 10.
 Tether apparatus. G. S. and T. J. Oberdorf. 2,437,786, Mar. 16.
 Tetraacetylribonamide and making it. M. Tishler. 2,434,060, Jan. 6.
 Tetra-alkyl carbonyl tetrathio diphosphates and their preparation. A. H. Fischer. 2,434,357, Jan. 13.
 Tetraalkyl thiuram monosulfide, Manufacture of. W. A. Robshaw. 2,453,460, Nov. 9.
 Tetrabasic acids, Manufacture of. H. S. Bloch. 2,450,627, Oct. 5.
 Tetrachlorobutyronitrile. J. W. Teter and O. W. Bauer. 2,444,478, July 6.
 Tetrachloroethylene, Production of. J. W. Churchill. 2,440,768, May 4.
 Tetra ethyl lead, Purification of. A. E. Parmelee. 2,440,810, May 4.
 Tetrahydrofurfuryl alcohol containing furfural and furfuryl alcohol as impurities, Purification of. J. G. M. Bremner and D. G. Jones. 2,455,159, Nov. 30.
 Tetrahydropyran compound. F. B. La Forge. 2,434,856, Jan. 20.
 Tetrahydropyran-4:4-dicarboxylic acid bis-diethylamide. H. Martin, H. Zaeslin, and A. Margot. 2,447,194, Aug. 17.
 Tetralol, Manufacture of. R. Johnson. 2,454,804, Nov. 30.
 Tetralyl compounds. F. D. Jones. 2,438,751, Mar. 30.
 Tetramethylethylene oxide, Polymerized. T. L. Cairns and R. M. Joyce, Jr. 2,455,912, Dec. 14.
 Textile article, Nonslip. R. R. Matthews. 2,434,709, Jan. 20.
 Textile chrome-printing compositions and their manufacture. C. Babey, W. Thommen, and E. Stocker. 2,454,623, Nov. 23.
 Textile fabric. A. Johnson and J. B. Speakman. 2,435,543, Feb. 3.
 Textile fabric. E. S. Kennedy. 2,448,032, Aug. 31.
 Textile fabric. W. R. Thomas, 3rd. 2,445,751, July 27.
 Textile fiber drafting aprons, Making. R. A. Garrett. 2,455,362, Dec. 7.
 Textile fibers, Manufacture of artificial. A. Ferretti. 2,450,889, Oct. 12.
 Textile fibers, Treatment of. D. H. Powers and W. J. Harrison. 2,443,512, June 15.
 Textile fibrous materials, Method and apparatus for crimping. A. Lodge. 2,435,891, Feb. 10.
 Textile material of comparatively low electric resistance and producing the same. K. H. Barnard, J. C. Balsbaugh, and M. J. Blackwood. 2,443,782, June 22.
 Textile materials composed of or containing animal fibres, Finishing. J. B. Speakman and E. Whewell. 2,438,328, Mar. 23.
 Textile materials, Continuous dyeing of. G. F. Womble. Re. 25,004, May 25.
 Textile materials, Manufacture of water-soluble. R. P. Roberts. 2,439,865, Apr. 20.
 Textile product. A. Schwartz. 2,442,880, June 8.
 Textile product and process. R. D. MacLaurin. 2,436,219, Feb. 17.
 Textile spindle mounting. H. Gleitz and C. E. Miller. 2,433,987, Jan. 6.
 Textile spreader. E. S. Beard. 2,450,932, Oct. 12.
 Textile treating resins. M. J. Scott and S. H. Rider. 2,456,568, Dec. 14.
 Textile units for fiber drafting, Making. J. W. Baymiller. 2,455,349, Dec. 7.
 Textile wax compositions. G. D. Jefferson. 2,456,283, Dec. 14.
 Textiles with a powdered blanket, Printing. W. C. Ross. 2,434,013, Jan. 6.
 Textiles with acyloxy-substituted aromatic acid salts, Treatment of. C. R. Bellwood. 2,448,247, Aug. 31.
 Texturing device. J. L. Kempthorne. 2,434,462, Jan. 13.
 Thawing materials. J. W. Forsythe and E. J. Smotzer. 2,449,932, Sept. 21.
 Therapeutic agent. S. M. Wade. 2,452,813, Nov. 2.
 Therapeutic apparatus. H. E. Christensen. 2,437,016, Mar. 2.
 Therapeutic apparatus. W. K. Kearsley. 2,434,497, Jan. 13.
 Therapeutic cabinet. J. T. Sexton. 2,444,379, June 25.
 Therapeutic composition. L. Freedman. 2,446,916, Aug. 10.
 Therapeutic composition. R. L. Libby. 2,449,039, Sept. 7.
 Therapeutic device. C. H. Carr. 2,450,935, Oct. 12.
 Therapeutic device. C. H. Fredenburg. 2,452,450, Oct. 26.
 Therapeutic device. H. S. Jones. 2,447,123, Aug. 17.
 Therapeutic exercise table. W. Wettlaufer. 2,448,162, Aug. 31.
 Therapeutic food, Supplemental. T. W. Halliday and G. H. Joseph. 2,452,750, Nov. 2.
 Therapeutic peroxide composition. R. S. Shelton. 2,436,673, Feb. 24.
 Thermal control for gluing structural assemblies and other purposes. H. Ulanet. 2,437,488, Mar. 9.
 Thermal conversion of hydrocarbons promoted by explosive organic nitrogen compounds. C. M. Thacker and H. O. Folkins. 2,435,760, Feb. 10.

- Thermal cracking of hydrocarbons, Process and apparatus for the. S. C. Eastwood and R. D. Drew. 2,436,254, Feb. 17.
- Thermal-mechanical element. H. Dickinson. 2,448,784, Sept. 7.
- Thermal-stretching apparatus for yarn. R. F. Conaway. 2,456,384, Dec. 14.
- Thermal time delay switch. V. N. Tramontini. 2,446,029, July 27.
- Thermally insulated container with radiation shield and energy absorber. G. F. Sulfrian. 2,453,946, Nov. 16.
- Thermionic device and getter elements therefor. F. H. Driggs. 2,444,158, June 29.
- Thermionic device for use with wave guides. S. Tomlin. 2,450,026, Sept. 28.
- Thermionic devices, Manufacture of miniature. J. J. Bannon, Jr. 2,445,755, July 27.
- Thermionic emitting device. Z. J. Atlee. 2,445,257, July 13.
- Thermionic tube having secondary electron emissive electrode with surface and form variations. E. Labin and M. J. Kobilsky. 2,438,709, Mar. 30.
- Thermionic valve and circuit mounting. W. S. Melville. 2,445,582, July 20.
- Thermistor circuit interrupter control system responsive to load circuit conditions. P. K. Chatterjea. 2,438,495, Mar. 30.
- Thermocouple arrangements, Multiple. K. A. Browne. 2,455,654, Dec. 7.
- Thermocouple, Directly heated. J. A. Becker, J. N. Shive, and T. R. Griffith. 2,444,027, June 29.
- Thermocouple for pilot burners. W. A. Ray. 2,438,575, Mar. 30.
- Thermocouple tube with exposed junctions. C. S. Tegge. 2,445,159, July 13.
- Thermoelectric generator. W. A. Ray. 2,443,641, June 22.
- Thermohydrometer. A. Hoyer. 2,455,010, Nov. 30.
- Thermometer. E. S. Whittier. 2,447,882, Aug. 17.
- Thermometer. A. J. Young. 2,447,888, Aug. 24.
- Thermometer and thermodynamically operable electric signaling device. E. F. Inwanski. 2,456,062, Dec. 14.
- Thermometer centrifuge. E. W. Hintsala. 2,435,588, Feb. 10.
- Thermometer, Clinical. L. Eisele. 2,457,455, Dec. 28.
- Thermometer, Clinical. H. Singer. 2,445,539, July 20.
- Thermometer, Fever. K. M., E. H. and A. H. Keller. 2,451,746, Oct. 19.
- Thermometer package. V. and F. O. V. Hiergesell. 2,450,089, Sept. 28.
- Thermometer, Resistance. G. Keinath. 2,444,410, June 29.
- Thermopile for furnace control. W. A. Ray. 2,441,672, May 18.
- Thermoplastic composition. R. C. Feagin. 2,439,207, Apr. 6.
- Thermoplastic compositions containing cellulose acetate butyrate. L. W. A. Meyer. 2,439,093, Apr. 6.
- Thermoplastic materials, Manufacture of expanded. A. Cooper. 2,447,056, Aug. 17.
- Thermoplastic pieces, Joining. D. E. Stevens. 2,438,685, Mar. 30.
- Thermosafety control for railroad cars. N. V. Murphy. 2,436,727, Feb. 24.
- Thermosetting formaldehyde-treated monoolefin/carbon monoxide polymers. P. S. Pinkney. 2,441,082, May 4.
- Thermo-setting synthetic resins by the polymerization of alkylene oxide derivatives, Manufacture of. P. Castan. 2,444,333, June 29.
- Thermosetting vinyl chloride-containing plastics. T. H. Rogers, Jr., and R. D. Vickers. 2,446,984, Aug. 10.
- Thermosetting vinyl chloride-vinylidene chloride copolymer compositions. T. H. Rogers, Jr., and R. D. Vickers. 2,438,097, Mar. 16.
- Thermostat. E. K. Clark. 2,439,795, Apr. 20.
- Thermostat-controlled heater circuit. T. E. Sippel. 2,455,387, Dec. 7.
- Thermostat valve and spring therefor. W. A. Curtis. 2,435,675, Feb. 10.
- Thermostatic control. J. D. Bolesky and L. W. Buell. 2,434,984, Jan. 27.
- Thermostatic damper control. J. G. Dunville. 2,437,878, Mar. 16.
- Thermostatic device. R. W. De Lancey. 2,439,455, Apr. 13.
- Thermostatic device for draining condensate from steam cylinders and the like. J. A. Heva. 2,455,305, Nov. 30.
- Thermostatic element. P. G. Chace. 2,434,392, Jan. 13.
- Thermostatic safety control for fuel burners. W. A. Ray. 2,446,718, Aug. 10.
- Thermostatic shutter control and surge protection. R. W. Jensen. 2,437,961, Mar. 16.
- Thermostatic switch. E. K. Clark. 2,445,021, July 13.
- Thermostatic switch. T. E. Graves. 2,441,192, May 11.
- Thermostatic switch. S. Healey. 2,435,004, Jan. 27.
- Thermostatic switch. N. J. Smith. 2,441,725, May 18.
- Thermostatic switch. C. J. Werner. 2,436,909, Mar. 2.
- Thermostatic switch for controlling electric circuits. T. Curzon. 2,436,633, Feb. 24.
- Thermostatic valve. E. J. Dillman. 2,439,336, Apr. 6.
- Thermostatically controlled electric heater. W. M. Sage. 2,446,553, Aug. 10.
- Thermostatically controlled mixing valve. F. L. Watrous and G. P. Manis. 2,449,261, Sept. 14.
- Thermostatically operated electrical switching device. J. E. Sherlock. 2,446,961, Aug. 10.
- Thermotemporal responsive device. W. Sambur. 2,451,778, Oct. 19.
- Thiamin dioctyl sulfo succinate. J. B. Conn. 2,437,504, Mar. 9.
- Thiazine dimer. F. G. Swedish, Jr. 2,439,828, Apr. 20.
- Thickener. F. G. Lesniak. 2,450,006, Sept. 28.
- Thimble. J. B. Doucet. 2,435,877, Feb. 10.
- Thimble. L. B. Salisbury. 2,447,774, Aug. 24.
- Thin rubber films, Making. M. A. Chavannes. 2,439,157, Apr. 6.
- Thin-wall tubing connector. F. J. Kennedy. 2,455,180, Nov. 30.
- Thiocarbamide and its homologs, Preparation of. H. L. Stasse. 2,435,295, Feb. 3.
- Thiodihydracrylic acids, Production of. R. T. Dean and E. O. Hook. 2,450,634, Oct. 5.
- Thioglycol esters. M. A. Pollack. 2,454,568, Nov. 23.
- Thioindoxyl couplers for color photography. F. W. H. Mueller and A. Bayley. 2,449,244, Sept. 14.
- Thiol derivatives. M. S. Kharasch and S. Weinhouse. 2,445,356, July 20.
- Thioesters, Preparation of. C. M. Himel. 2,445,142, July 13.
- Thiophan derivative, Manufacture of. O. Schnider and A. Grüssner. 2,454,217, Nov. 16.
- Thiophane carboxyhydrazides and preparing the same. B. R. Baker and M. V. Querry. 2,451,429, Oct. 12.
- Thiophene-aldehyde synthetic resins. P. D. Caesar and A. N. Sachanen. 2,453,085, Nov. 2.
- Thiophene, Production of. R. C. Hansford, H. E. Rasmussen, C. G. Myers, and A. N. Sachanen. 2,450,653, Oct. 5.
- Thiophenes from hydrocarbons by azeotropic distillation, Separation of. G. R. Lake and J. M. Stribley. 2,439,777, Apr. 13.
- Thiophenols, Production of. D. E. Winkler and S. A. Ballard. 2,443,811, June 22.
- Thiosemicarbazide, Obtaining. L. L. Bambas. 2,450,406, Oct. 5.
- Thorium, Manufacture of. H. C. Rentschler, W. C. Lillendahl, and J. E. Gray. 2,446,062, July 27.
- Thread advancing apparatus. W. Sever. 2,444,315, June 29.
- Thread-advancing device. H. J. McDermott. 2,441,583, May 18.
- Thread advancing reel. C. A. Castellan. 2,446,525, Aug. 10.
- Thread advancing reel. W. H. Furness. 2,456,120, Dec. 14.
- Thread-advancing reel. R. W. Stanley. 2,444,071, June 29.
- Thread advancing reel. R. W. Stanley. 2,447,143, Aug. 17.
- Thread advancing reel. R. W. Stanley and C. A. Castellan. 2,450,024, Sept. 28.
- Thread advancing, storage, and stretching reel. R. A. O'Connell, Jr. 2,439,903, Apr. 20.
- Thread and making same, Elastic. S. W. Alderfer. 2,451,016, Oct. 12.
- Thread case. B. Narki. 2,437,888, Mar. 16.
- Thread checking apparatus. I. W. Mannerbrink and N. J. L. Sandström. 2,448,106, Aug. 31.
- Thread control for automatic looms. R. G. Turner. 2,448,161, Aug. 31.
- Thread control for weft replenishing looms. R. G. Turner. 2,445,129, July 13.
- Thread-controller for sewing machines. E. P. Spaine. 2,437,052, Mar. 2.
- Thread drying apparatus. T. S. Mayner and E. P. Hurayt. 2,456,974, Dec. 21.
- Thread, Elastic. S. W. Alderfer. 2,442,279, May 25.
- Thread feed arresting device. J. T. Gordon and R. E. Solldiday. 2,456,406, Dec. 14.
- Thread finger for shoe sewing machines. F. Ashworth. 2,438,491, Mar. 30.
- Thread finishing machine. A. E. Winslow. 2,456,804, Dec. 21.
- Thread guide holder. J. H. Barnes. 2,451,795, Oct. 19.
- Thread guiding dier, Revolving. A. Nau-Touron. 2,451,352, Oct. 12.
- Thread holder for multistack magazines, Pneumatic. G. N. Peterson. 2,440,523, Apr. 27.
- Thread insert. H. J. Findley. 2,439,685, Apr. 13.
- Thread miller. F. J. Kratchman. 2,451,497, Oct. 19.
- Thread milling mechanism, Internal. S. M. Ransome. 2,454,087, Nov. 16.
- Thread, Production of. C. E. Gardner. 2,453,984, Nov. 16.
- Thread pull-off mechanisms for sewing machines. A. R. Wood. 2,438,833, Mar. 30.
- Thread ring gauge. B. Fishman. 2,443,904, June 22.
- Thread separator for weft replenishing looms. R. G. Turner. 2,447,291, Aug. 17.
- Thread severing apparatus. T. Weber, Sr., and T. Weber, Jr. 2,444,079, June 29.
- Thread tension arrangements in textile machines. A. Brügger. 2,438,034, Mar. 16.
- Thread tensioning means. G. O. Young. 2,442,796, June 8.
- Threads, Handling. R. W. Stanley. 2,444,409, June 29.
- 3-amino-4-carbethoxy-2-alkyl derivatives of thiophene. L. C. Cheney and J. R. Piening. 2,443,598, June 22.

- 3-amino steroids and their preparation. P. L. Julian, J. W. Cole, A. Magnani, and E. W. Meyer. 2,446,538, Aug. 10.
- 3-aryl-2-carbalkoxy piperidines and pyrrolidines and synthesis thereof. F. Bergel, A. L. Morrison, and H. Rindernknecht. 2,446,804, Aug. 10.
- Three element objective lens. K. Pestrecov. 2,453,260, Nov. 9.
- 3,11-oxygenated steroids, Production of. T. F. Gallagher. 2,447,325, Aug. 17.
- 3,5-diamino-4-hydro-thiotriazine-1-dioxide resins. H. A. Walter. 2,449,520, Sept. 14.
- 3,4-dihydroxythiophene-2,5-dicarboxylic acid production. S. G. Turnbull, Jr. 2,453,102, Nov. 2.
- 3,4-Dihydroxythiophene-2-keto-butyric acid. S. G. Turnbull, Jr. 2,442,027, May 25.
- 3,4-Methylenedioxyphenyl-propylene compound. E. A. Prill. 2,456,991, Dec. 21.
- 3-Methylsulfonamido-4-amino dimethyl aniline photographic developer. A. Weissberger. 2,449,919, Sept. 21.
- 3,6-bis-(beta-hydroxy-ethyl)-2,5-diketopiperazine, Making. E. C. Britton and J. E. Livak. 2,436,739, Feb. 24.
- 3-substituted benzoic tetrone acid and salts thereof, Preparation of. M. E. Hultquist. 2,449,038, Sept. 7.
- 3-tertiary-butyl-4-alkoxy benzaldehydes. M. S. Carpenter and W. M. Easter, Jr. 2,450,877, Oct. 12.
- 3-tertiary-butyl-4-alkoxy-5-nitro benzaldehydes. M. S. Carpenter and W. M. Easter, Jr. 2,450,878, Oct. 12.
- 3-thioethers of androstene-3-one-17-ols and making same. K. Miescher. 2,435,013, Jan. 27.
- 3,3 bis (4-dimethylamino-3-methyl phenyl) phthalide. C. S. Adams. 2,443,092, June 8.
- 3-(2'-methyl piperidino)-propyl-p-n butoxy benzoate and acid addition salts thereof. S. M. McElvain and T. P. Carney. 2,448,996, Sept. 7.
- 3-(2',6'-dimethylpiperidino)-propyl salicylate and acid addition salts thereof. S. M. McElvain and T. P. Carney. 2,448,998, Sept. 7.
- Threonine and derivatives thereof, Preparation of. K. Püster, III and M. Tishler. 2,446,192, Aug. 3.
- Thresher concave with rubber thresher bars. E. J. Johnson. 2,457,680, Dec. 28.
- Thresher, Tractor-mounted. S. D. Pool and R. D. Downing. 2,446,883, Aug. 10.
- Thresher with adjustable speed cylinder drive. C. J. Scranton. 2,435,020, Jan. 27.
- Throttle, Air controlled. J. B. Fulton. 2,449,599, Sept. 21.
- Throttle and brake pedal, Combined. W. F. Benning. 2,452,981, Nov. 2.
- Throttle control, Automatic. S. C. Copeland. 2,455,233, Nov. 30.
- Throttle control device operable to control reversible pitch propellers. W. M. Giles and C. M. Kucera. 2,446,700, Aug. 10.
- Throttle control for aircraft engines. H. A. Alexander-son. 2,453,652, Nov. 9.
- Throttle control for internal-combustion engine power plant, Dual. J. J. Dugas. 2,434,489, Jan. 13.
- Throttle control for internal-combustion engines. M. Malory. 2,446,711, Aug. 10.
- Throttle control for the primary and secondary charges of engines. R. Lozivit. 2,453,377, Nov. 9.
- Throttle control system. D. H. Andrews, Jr., and D. E. Lipfert. 2,438,690, Mar. 30.
- Throttle control system. D. E. Lipfert. 2,438,718, Mar. 30.
- Thrust augmenting device for a system for developing propulsive thrust. F. Whittle. 2,455,458, Dec. 7.
- Thrust balancing means. W. G. Lundquist. 2,444,659, July 6.
- Thrust gauge. C. N. Hickman. 2,446,537, Aug. 10.
- Thrust sustaining means for variable speed drive mechanism. F. A. Hayes. 2,445,066, July 13.
- Thumb sucking inhibitor or novelty device. S. W. and E. A. Orr. 2,442,176, May 25.
- Thyroxine from diiodotyrosin. C. W. Turner and E. P. Reineke. 2,435,947, Feb. 10.
- Ticket feeding and printing mechanism, Cash register. M. A. Goodbar and G. A. Cocup. 2,444,564, July 6.
- Ticket holder. B. P. Mayo. 2,448,900, Sept. 7.
- Ticket machine. R. I. N. Weingart and T. E. Torkelson. 2,452,022, Oct. 19.
- Ticket, Readily removable. M. Heimlich and F. H. Ogden. 2,433,949, Jan. 6.
- Tie. H. C. Cookman. 2,447,843, Aug. 24.
- Tie and tie plate assembly. P. D. Grover. 2,435,390, Feb. 3.
- Tie bar for open-top trucks, Top-stiffening. J. M. and C. T. Falk. 2,450,589, Oct. 5.
- Tie clasp or cravat holders. G. W. Owen. 2,445,239, July 13.
- Tie device for wall forms. A. H. Symons. 2,433,934, Jan. 6.
- Tie device for wall forms. A. H. Symons. 2,449,864, Sept. 21.
- Tie for concrete wall forms. W. D. Harder. 2,453,434, Nov. 9.
- Tie form. R. Seegmueller. 2,440,879, May 4.
- Tie, Made-up bow. A. Schreter. 2,450,741, Oct. 5.
- Tie plate and rail joint, Combination. I. Young. 2,439,593, Apr. 13.
- Tie rack. G. C. Burton. 2,452,727, Nov. 2.
- Tie rack. G. S. Moore. 2,456,527, Dec. 14.
- Tie rod end installation. D. E. Cave. 2,457,444, Dec. 28.
- Tie rod joint seal. A. Venditty. 2,456,546, Dec. 14.
- Tie rod socket assemblies, Making. M. H. Alldredge. 2,443,712, June 22.
- Tie shaper, Steam. J. Emmanuel. 2,446,412, Aug. 3.
- Tie stay. R. F. Reubush. 2,435,237, Feb. 3.
- Tier. L. H. Kaupke and R. R. Raney. 2,446,878, Aug. 10.
- Tightener, Precision cannon pinion. S. F. Bloom. 2,451,378, Oct. 12.
- Tightener, Strap. L. B. Stevens. 2,453,821, Nov. 16.
- Tightener, Wire. C. C. Schley. 2,447,093, Aug. 17.
- Tile, Hearth. S. N. and W. B. Levy. 2,450,836, Oct. 5.
- Tile making machine. G. W. Lang. 2,443,683, June 22.
- Tile, Refractory. N. E. Werner. 2,436,131, Feb. 17.
- Tile-sawing machine. W. C. Eyles and C. E. Hyatt. 2,444,598, July 6.
- Tilt-actuated switch. L. K. Perry. 2,449,177, Sept. 14.
- Tilt table. J. G. Wallace. 2,445,048, July 13.
- Tilting adjustment for reciprocating concentrating tables. G. H. Gruss. 2,446,176, Aug. 3.
- Tilting bowl concrete mixer. W. Muller. 2,453,583, Nov. 9.
- Timberman's jack. H. G. and J. J. Krupka. 2,456,878, Dec. 21.
- Time base sweep and intensifier pulse generator. J. M. Lester. 2,455,373, Dec. 7.
- Time control device. H. F. Elliott. 2,440,142, Apr. 20.
- Time control for photographic printing apparatus, Exposure. K. Rath. 2,444,675, July 6.
- Time control, Sensitivity. E. C. Kluender. 2,456,952, Dec. 21.
- Time controlled valve. P. B. Drane and C. D. Laidley. 2,456,493, Dec. 14.
- Time controlling mechanism. C. E. J. Nilson. 2,437,401, Mar. 9.
- Time cycle controller. E. B. Sutherland. 2,438,724, Mar. 30.
- Time-delay device, Magnetostrictive. L. F. Curtis. 2,455,740, Dec. 7.
- Time delay electronic apparatus, Variable. D. E. Sunstein. 2,456,466, Dec. 14.
- Time-delay relay system. R. L. Wilson. 2,443,437, June 15.
- Time-delay switch. C. B. Ivester. 2,437,197, Mar. 2.
- Time-delay switch. R. D. Randall. 2,438,186, Mar. 23.
- Time division multiplex communication system. J. H. Homrighous. 2,437,027, Mar. 2.
- Time duration pulse telemetering system. W. H. Green. 2,443,351, June 15.
- Time fuse. R. H. Whitehead. 2,453,479, Nov. 9.
- Time fuse element. J. C. W. Frazer and O. G. Bennett. 2,440,579, Apr. 27.
- Time fuse, Mechanical. E. J. Fix. 2,450,890, Oct. 12.
- Time marks for the sweep of cathode ray tubes. F. A. Firestone and R. B. De Lano, Jr. 2,448,363, Aug. 31.
- Time modulation pulse system. R. B. Shepherd. 2,434,965, Jan. 27.
- Time-recorder with differentiated records, Tape. H. E. Hobby. 2,447,803, Aug. 24.
- Time recording device. E. V. Abbott. 2,436,539, Feb. 24.
- Time switch. A. K. Burns. 2,453,195, Nov. 9.
- Time switch. L. Ringer. 2,444,955, July 13.
- Time switch. E. R. Schott. 2,454,887, Nov. 30.
- Time switch. F. A. Ward. 2,451,135, Oct. 12.
- Time zone watch. I. Guilden. 2,456,122, Dec. 14.
- Timer, Automatic. J. L. Edelen. 2,441,402, May 11.
- Timer, Electronic. J. Ball. 2,453,486, Nov. 9.
- Timer for heating apparatus, Thermal. E. J. Meyers. 2,439,017, Apr. 6.
- Timer for internal-combustion engines. T. R. Arden. 2,438,889, Apr. 6.
- Timer for toasters, Thermal. E. Walder and J. W. Myers. 2,436,735, Feb. 24.
- Timer, Ignition. S. E. Aldridge. 2,444,149, June 29.
- Timer, Range. J. R. Macintyre. 2,450,287, Sept. 28.
- Timer, Synchronized. D. Bartlett. 2,442,256, May 25.
- Timing and positioning mechanism for dial feeding machines. J. Brieche. 2,445,822, July 27.
- Timing apparatus. W. O. Bennett, Jr. 2,437,929, Mar. 16.
- Timing apparatus. L. A. Marihart. 2,437,168, Mar. 2.
- Timing apparatus, Electronic. E. C. Thomson. 2,450,460, Oct. 5.
- Timing circuit. E. C. Hartwig. 2,454,168, Nov. 16.
- Timing circuit. H. W. Lord. 2,439,256, Apr. 6.
- Timing control, Adjustable. M. Mallory. 2,450,805, Oct. 5.
- Timing control for free piston units, Automatic. D. E. Meitzler. 2,447,352, Aug. 17.
- Timing device. E. S. Peterson. 2,456,018, Dec. 14.
- Timing device. M. H. Rhodes. 2,437,556, Mar. 9.
- Timing device. T. H. Sheehan. 2,442,572, June 1.
- Timing device, Electrical. C. H. Smith and H. Lindars. 2,444,619, July 6.
- Timing device, Electronic. P. J. Cade. 2,455,468, Dec. 7.
- Timing device for telegraph circuit. B. S. Swezey. 2,445,809, July 27.
- Timing mechanism. E. J. Fix. 2,440,677, May 4.
- Timing mechanism for sprinkler systems. B. H. Kookan. 2,442,498, June 1.
- Timing modulation. J. B. Crawley. 2,447,492, Aug. 24.
- Timing modulation system. E. I. Anderson. 2,449,923, Sept. 21.

- Timing of fuel injection systems. D. E. Meitzler. 2,453,526, Nov. 9.
- Timing switch. E. W. Rickmeyer. 2,436,602, Feb. 24.
- Timing switch. E. L. Schellens. 2,444,146, June 29.
- Timing switch for electric circuits, Pneumatic. E. C. Deane. 2,450,329, Sept. 28.
- Timing system. M. Audier. 2,442,578, June 1.
- Timing system. L. A. de Rosa. 2,438,904, Apr. 6.
- Timing unit for switches. E. W. Rickmeyer. 2,435,603, Feb. 10.
- Tin and antimony-tin alloy from Sb-Sn-As bearing materials, Recovering metallic. Y. E. Lebedeff. 2,436,010, Feb. 17.
- Tin-containing materials, Treating. I. E. Muskat. 2,434,283-4, Jan. 13.
- Tin, Electrodeposition of. E. F. Harris. 2,450,794-5, Oct. 5.
- Tin from stannic chloride, Recovering. Y. E. Lebedeff. 2,436,868, Mar. 2.
- Tinsel wire connector. M. D. Bergan. 2,453,615, Nov. 9.
- Tipup for ice fishing. R. N. Baugh and R. F. Wycinowski. 2,448,346, Aug. 31.
- Tire and making it, Prerotation airplane. W. E. Shively. 2,435,801, Feb. 10.
- Tire and rim separating machine, Axially operating-type. A. J. Gosselin. 2,436,003, Feb. 17.
- Tire antiskid device, Vehicle. J. Turner. 2,456,473, Dec. 14.
- Tire antiskid mechanism. R. C. Scott. 2,453,273, Nov. 9.
- Tire, Antiskid rubber. C. A. and L. Gapen. 2,434,207, Jan. 6.
- Tire, Automobile. C. Hughes. 2,448,313, Aug. 31.
- Tire building apparatus (ply turn-up). H. D. Stevens. 2,445,728, July 20.
- Tire carrier attachment for trucks, Spare. D. R. Ballard. 2,449,544, Sept. 21.
- Tire chain. C. C. and C. C. Bozenhard. 2,436,709, Feb. 24.
- Tire chain. P. A. Jasmer. 2,437,031, Mar. 2.
- Tire chain. R. A. Mank. 2,444,573, July 6.
- Tire chain. E. Schaber. 2,450,487, Oct. 5.
- Tire chain applicator and mud lug, Combined. T. O. Hoppes. 2,445,947, July 27.
- Tire construction. E. C. Walker. 2,445,725, July 20.
- Tire cord and manufacture. G. P. Standley and K. M. McLellan. 2,436,979-80, Mar. 2.
- Tire cord, Treating. H. J. Philipp. 2,444,064, June 29.
- Tire curing bag. D. R. Elliott and K. K. Madison. 2,449,461, Sept. 14.
- Tire, Cushion. H. C. Nies. 2,451,172, Oct. 12.
- Tire deflation indicating device. P. H. Meroney. 2,442,956, June 8.
- Tire deflation indicator. A. J. Schultz. 2,455,524, Dec. 7.
- Tire deflation indicator. P. Siever. 2,444,856, July 6.
- Tire deflation indicator. A. J. Slovack. 2,447,777, Aug. 24.
- Tire deflation operated switch. E. H. Kuster. 2,452,768, Nov. 2.
- Tire deflation switch. W. C. Laidlaw. 2,457,161, Dec. 28.
- Tire, Distortable circle. J. V. Martin. 2,439,742, Apr. 13.
- Tire, Emergency. R. T. Conley. 2,442,996, June 8.
- Tire for model aeroplanes and the like, Pneumatic. W. H. Trexler. 2,435,186, Jan. 27.
- Tire for vehicles. E. C. Woods. 2,454,750, Nov. 23.
- Tire guard, Automobile. J. O'Leary. 2,447,428, Aug. 17.
- Tire inspection device. E. V. K. Jaycox. 2,445,731, July 20.
- Tire lift, Tractor. M. B. Martin. 2,455,432, Dec. 7.
- Tire making and building apparatus. E. J. Beam. 2,443,551, June 15.
- Tire, Metallic cushion. A. R. E. A. Perreau. 2,435,599, Feb. 10.
- Tire mounting apparatus, Circumferentially travelling roller type, support mounted. I. J. Ekse. 2,437,512, Mar. 9.
- Tire, Pneumatic. G. R. Cuthbertson. 2,452,998, Nov. 2.
- Tire pressure alarm switch. H. L. Hull. 2,451,166, Oct. 12.
- Tire pressure switch. H. R. Luper. 2,445,959, July 27.
- Tire recapping machine. M. D. Butterfield. 2,444,898, July 6.
- Tire recapping machine. E. F. Green. 2,440,087, Apr. 20.
- Tire removing device, Axially shifting type screw shaft actuated. H. Stolz. 2,446,963, Aug. 10.
- Tire removing device, Lever operated axially shifting. L. A. Toles. 2,449,960, Sept. 21.
- Tire removing device, Movable base mounted axially collapsing type. T. M. Johnson and E. G. Reed. 2,439,135, Apr. 6.
- Tire repair clamp. J. C. Crowley. 2,447,740, Aug. 24.
- Tire repair device. E. E. French. 2,439,083, Apr. 6.
- Tire repair device. N. Stevens. 2,439,876, Apr. 20.
- Tire repair vulcanizing apparatus. H. T. Kraft. 2,439,896, Apr. 20.
- Tire skid chain. G. T. Backe, Jr. 2,443,219, June 15.
- Tire spreader, Pneumatic. P. Daddio. 2,440,740, May 4.
- Tire, Steel reinforced. H. K. Weed. 2,451,894, Oct. 19.
- Tire stripping apparatus, Axially shifting type adjustable. C. Stack. 2,442,714, June 1.
- Tire, Vaned. J. O. Antonson. 2,439,033, Apr. 6.
- Tires for motor vehicles, Twin. J. H. Williams. 2,445,503, July 20.
- Tires, Making pneumatic. J. F. Purdy. 2,451,973, Oct. 19.
- Tires, Manufacture of. C. W. Vogt. 2,445,701, July 20.
- Tires, Retreading. J. C. Heintz. 2,434,156, Jan. 6.
- Titanate dielectric ceramic, Making. E. Wainer and A. N. Salomon. 2,443,211, June 15.
- Titanium gel-boria catalyst, Preparation of a. G. C. Conolly. 2,445,346, July 20.
- Titaniferous ore, Smelting. F. L. Turbett. 2,453,050, Nov. 2.
- Titanium dioxide, Cyclical process for the manufacture of. J. L. Turner and W. W. Plechner. 2,441,856, May 18.
- Titanium dioxide pigments, Production of. M. J. Mayer. 2,444,939-40, July 13.
- Titanium dioxide, Preparation of. A. Pechukas. 2,445,691, July 20.
- Titanium ores, Processing of. E. N. Kramer. 2,437,164, Mar. 2.
- Titanium oxide pigment production. J. L. Keats and J. H. Peterson. 2,439,895, Apr. 20.
- Titanium, Treatment of. R. S. Dean. 2,453,896, Nov. 16.
- Toaster. G. W. Dunham. 2,447,641, Aug. 24.
- Toaster. S. G. Isserstedt. 2,444,510, July 6.
- Toaster. H. F. Malone. 2,456,291, Dec. 14.
- Toaster. P. H. Wilkinson. 2,435,704, Feb. 10.
- Toaster and boiler, Radiant gas. H. B. Wilson. 2,438,470, Mar. 23.
- Toaster, Automatic electric. O. G. Kreer. 2,446,935, Aug. 10.
- Toaster, Automatic electric. B. G. Olving. 2,451,508, Oct. 19.
- Tobacco and treating the same. F. J. Sowa. 2,445,338, July 20.
- Tobacco can. G. V. Wilson and S. P. Darkins. 2,455,633, Dec. 7.
- Tobacco clip. R. M. Clark. 2,456,622, Dec. 21.
- Tobacco curing furnace. J. D. Simpson and C. M. Ball. 2,435,518, Feb. 3.
- Tobacco curing stick. N. L. Broughton. 2,434,309, Jan. 13.
- Tobacco hogsheads and securing means for the heads thereof. H. G. Bell and J. D. Gay, Jr. 2,454,267, Nov. 23.
- Tobacco pipe. E. E. Gregory. 2,441,266, May 11.
- Tobacco-pipe scraping tool. D. A. Palmer. 2,438,678, Mar. 30.
- Tobacco pouch and cigarette rolling device, Combined. M. J. Kehoe. 2,453,846, Nov. 16.
- Tobacco sheets and filaments and making them. F. H. Wells and F. J. Sowa. 2,433,877, Jan. 6.
- Tobacco stick. D. M. and S. C. Boone. 2,449,837, Sept. 21.
- Tocopherol concentrate, Preparation of. N. D. Embree and N. H. Kuhrt. 2,454,692, Nov. 23.
- Toe coupling for artificial feet. C. Dumelin. 2,445,910, July 27.
- Toe creasing machine. R. W. Wirtz. 2,455,106, Nov. 30.
- Toggle clamp. J. J. Sendoykas. 2,436,941, Mar. 2.
- Toggle clamp. J. W. Wood. 2,456,100, Dec. 14.
- Toggle link operated hand clamp. E. F. Miller. 2,447,199, Aug. 17.
- Toilet. J. F. Molloy. 2,456,885, Dec. 21.
- Toilet. E. C. Williams. 2,443,214, June 15.
- Toilet flush tank valve. S. S. Cheiten. 2,436,035, Feb. 17.
- Toilet flushing assembly. J. F. Molloy. 2,448,231, Aug. 31.
- Toilet seat. E. W. Conner. 2,447,738, Aug. 24.
- Toilet seat. H. Richards. 2,457,726, Dec. 28.
- Toilet, Trailer. A. G. Agra. 2,449,442, Sept. 14.
- Toilet, Ventilated. W. F. Auer. 2,452,282, Oct. 26.
- Toilet, Ventilated. A. P. Riedel. 2,456,534, Dec. 14.
- Token holder. E. R. Hessel. 2,437,956, Mar. 16.
- Toll ticketing system, Automatic. J. B. Retallack. 2,447,533, Aug. 24.
- Toluene sulfonic acid treatment of aromatic hydrocarbons. R. L. Dockendorf. 2,438,001, Mar. 16.
- Toluene with toluene sulfonic acid, Refining. F. T. Wadsworth, R. J. Lee, and P. L. Brandt. 2,446,679, Aug. 10.
- Tone arm mounting. R. M. Cain. 2,434,033, Jan. 6.
- Tone supply test circuit. B. McKim. 2,434,946, Jan. 27.
- Tones in photoelectric musical instruments, Generation of. E. M. Jones. 2,439,392, Apr. 13.
- Tongs. F. F. Lang. 2,442,698, June 1.
- Tongs and magnifying glass, Combined. W. O. Fleenor. 2,435,741, Feb. 10.
- Tongs, Cordwood pulp. T. J. Mundahl. 2,436,053, Feb. 17.
- Tongs for manual electric arc welding or cutting, Automatic. C. Cito. 2,446,809, Aug. 10.
- Tongs, Lifting. A. W. Dalferes. 2,457,646, Dec. 28.
- Tongs, Pipe. D. B. Grable and John M. Jackson. 2,453,369, Nov. 9.
- Tongs, Sealing. V. C. Huff. 2,441,817, May 18.
- Tongue, Extension. D. E. Swinehart. 2,451,698, Oct. 19.
- Tongue stabilizer for vehicles. E. W. Allen. 2,452,710, Nov. 2.
- Tongueless tearing strip container. T. P. Keogh. 2,455,779, Dec. 7.
- Tonsillar instrument. V. E. Landry. 2,455,068, Nov. 30.
- Tonsillectome. O. C. Daniels, Sr. 2,436,989, Mar. 2.
- Tonsorial device. N. Holsclaw. 2,442,128, May 25.

Tool: See—

Abrading tool.
 Abrasive tool.
 Article-handling tool.
 Automatic striking tool.
 Bolt holding tool.
 Brick cutting tool.
 Burr-cutting tool.
 Chain tool.
 Clamping tool.
 Collapsible pocket tool.
 Combined drill and deburring tool.
 Crankshaft dressing tool.
 Crimping tool.
 Cutting tool.
 Debutting tool.
 Denture repair tool.
 Diamond tool.
 Diamond wheel dressing tool.
 Double-shank hammer-type tool.
 Drill and countersink tool.
 Earth working tool.
 Electric soldering tool.
 Electric welding tool.
 Electrically heated tool.
 Endless track tool.
 Engine head lifting tool.
 Etching tool.
 Explosively actuated tool.
 Facing tool.
 Fastener applying tool.
 Fastener inserting tool.
 Fence repair tool.
 Ferrule crimping tool.
 Fishing tool.
 Flange facing tool.
 Fleshing tool.
 Gem grinding and polishing tool.
 Grinding tool.
 Grinding wheel dressing tool.
 Hand beading tool.
 Hand cultivating and weeding tool.
 Hand cultivating tool.
 Hand finishing tool.
 Hand held power tool.
 Hand operated abrading and polishing tool.
 Honing tool.
 Hook inserting tool.
 Insert coil setting tool.
 Insulation cutting tool.
 Knurling tool.
 Levelling tool.
 Tool. H. S. Forsberg. 2,437,296, Mar. 9.
 Tool. J. F. Kopczynski. 2,434,702, Jan. 20.
 Tool. F. H. Lobdell. 2,455,183, Nov. 30.
 Tool. R. Martines. 2,437,432, Mar. 9.
 Tool. D. H. Montgomery. 2,441,533, May 11.
 Tool. R. E. Slater. 2,436,336, Feb. 17.
 Tool. G. G. Smith. 2,446,143, July 27.
 Tool. C. S. VanBroeklin. 2,451,892, Oct. 19.
 Tool adapter, Machine. E. A. Dorman. 2,449,284, Sept. 14.
 Tool and method for dimpling. J. O. Archer and D. S. Salmi. 2,438,837, Mar. 30.
 Tool attachment, Machine. E. L. Conkey. 2,437,952, Mar. 2.
 Tool bit and holder therefor. H. M. Sheridan. 2,452,877, Nov. 2.
 Tool compartment construction, Vehicle body. J. H. Holan and H. J. Troche. 2,455,417, Dec. 7.
 Tool control, Machine. C. Johnson. 2,434,853, Jan. 20.
 Tool for applying armor rods to energized conductors. D. C. Hubbard. 2,455,490, Dec. 7.
 Tool for applying fuse links to fused cutouts. D. C. Hubbard. 2,438,121, Mar. 23.
 Tool for applying traction devices on wheels. M. H. Doebert. 2,438,547, Mar. 30.
 Tool for beading or expanding metallic tube ends. F. Hunziker. 2,447,909, Aug. 24.
 Tool for bending the edge of a panel about a supporting flange, Pivoted. L. E. Willett. 2,436,273, Feb. 17.
 Tool for cutting insulation and stripping it from wires. W. E. Zimmermann. 2,451,463, Oct. 19.
 Tool for cutting insulation on electric conductors. G. G. Givens. 2,437,514, Mar. 9.
 Tool for dry picking poultry, Slaughtering. P. F. Riordan. 2,434,587, Jan. 13.
 Tool for food tendering machines, Cleaning. O. Brownsey. 2,437,069, Mar. 2.
 Tool for handling open-ended retaining rings. R. Feitl and H. Wurzel. 2,439,785, Apr. 13.
 Tool for handling open-ended retaining rings. L. W. Schaaff, S. Waldes, and R. Feitl. 2,441,846, May 18.
 Tool for handling retaining rings. R. Feitl. 2,455,165, Nov. 30.
 Tool for hollow rivets, Upsetting. R. H. Gill. 2,437,191, Mar. 2.
 Limited torque tool.
 Line marking tool.
 Liner setting and cementing tool.
 Locating tool.
 Machine tool.
 Mechanical chipping tool.
 Mechanical gripping tool.
 Metal working or like tool.
 Milling tool.
 Modeling tool.
 Nail holding tool.
 Nonhide cutting fleshing tool.
 Ophthalmologist's tool.
 Paraffin dislodging tool.
 Pattern controlled machine tool.
 Percussion tool.
 Percussive tool.
 Piston ring tool.
 Pneumatic tool.
 Portable electric cleaner and scraping tool.
 Portable electric tool.
 Portable flange serrating tool.
 Power tool.
 Precision locating tool.
 Press tool.
 Radius boring tool.
 Rail tool.
 Recessing tool.
 Resiliently mounted cultivator tool.
 Rivet bucket tool.
 Rivet inserting tool.
 Riveting tool.
 Rod clamp tool.
 Sanding tool.
 Saw track tool.
 Serving tool.
 Shearing tool.
 Siding tool.
 Soldering tool.
 Spreading tool.
 Spring removing and replacing tool.
 Tobacco-pipe scraping tool.
 Track tool.
 Upholsterer's application tool.
 Valve reseating tool.
 Welding tool.
 Well tool.
 Wheel-dressing tool.
 Wire strapping tool.
 Wire welding tool.

Tool for manipulating rubber. F. S. Sternad. 2,439,064, Apr. 6.
 Tool for preparing contact blanks. H. Dahl. 2,443,815, June 22.
 Tool for refacing the sealing surfaces of header access holes, Grinding. J. R. Kruse. 2,448,100, Aug. 31.
 Tool for removing container caps. H. Albert. 2,441,743, May 18.
 Tool for removing dents in sheet metal, Pivoted hand. M. E. Rohde. 2,435,726, Feb. 10.
 Tool for removing wire insulation. A. P. Bass. 2,452,423, Oct. 26.
 Tool for reshaping deformed automobile bodies, Spreading. W. H. and H. C. Ferguson. 2,447,401, Aug. 17.
 Tool for rotating threaded articles. F. E. Knight. 2,434,660, Jan. 20.
 Tool for setting bushings or inserts. M. J. Flynn. 2,438,744, Mar. 30.
 Tool for ships, Scraping and calking. R. G. Clark. 2,443,602, June 22.
 Tool for soil cultivation, Garden hand. B. Vale. 2,456,345, Dec. 14.
 Tool for stripping armor from cables, Bench. C. W. Schwarz and T. Floyd. 2,446,558, Aug. 10.
 Tool handle. F. P. Pleva. 2,435,654, Feb. 10.
 Tool handle fastening. G. R. Hess. 2,437,426, Mar. 9.
 Tool handle lock. B. J. Hobbs. 2,450,044, Sept. 28.
 Tool handle wedge. D. F. Christoffer. 2,455,733, Dec. 7.
 Toolholder. W. Barks. 2,438,630, Mar. 30.
 Toolholder. L. B. Brown. 2,449,368, Sept. 14.
 Toolholder. L. Carpenter. 2,437,779, Mar. 16.
 Toolholder. J. F. Golden and H. J. Smith. 2,435,212, Feb. 3.
 Toolholder. Z. W. Kelley. 2,434,075, Jan. 6.
 Toolholder. J. E. Moss. 2,453,722, Nov. 16.
 Tool holder. E. Ruch. 2,439,635, Apr. 13.
 Toolholder. H. M. Sheridan. 2,453,464, Nov. 9.
 Toolholder. H. L. Thompson and N. King. 2,450,365, Sept. 28.
 Toolholder. H. C. Wilson. 2,444,621, July 6.
 Toolholder. C. G. Winkler. 2,445,013, July 13.
 Toolholder assembly. D. S. Anthony and W. B. Blocker. 2,453,959, Nov. 16.
 Tool holder for artificial arms. F. W. Rallison. 2,453,936, Nov. 16.
 Toolholder for automatic lathes. G. E. Magel and H. Mancina. 2,451,684, Oct. 19.
 Toolholder for lathes. W. A. Gile. 2,448,586, Sept. 7.
 Toolholder, Quick lock. C. A. Cherry. 2,449,277, Sept. 14.
 Toolholder, Spring type. L. M. Coyle. 2,450,582, Oct. 5.
 Toolholding attachment for machine tool turrets. H. N. Bourque. 2,453,083, Nov. 2.
 Toolholding means for machine tools, Cutting. J. A. Backstrom. 2,451,371, Oct. 12.
 Tool indicator. P. W. Martin. 2,436,047, Feb. 17.
 Tool joint. A. H. Bell. 2,440,651, Apr. 27.
 Tool joint. J. W. E. Hanes. 2,440,441, Apr. 27.
 Tool lathe, Rotating. E. D. Beachler. 2,451,147, Oct. 12.
 Tool mechanism, Form turning. L. W. Haynes. 2,436,258, Feb. 17.
 Tool mounting bracket. J. Rusnok. 2,445,039, July 13.
 Tool operating attachment. H. R. Greene. 2,436,692, Feb. 24.
 Tool positioning gage. L. Persing. 2,443,704, June 22.
 Tool post assembly for machine tools. R. L. Dorn. 2,435,303, Feb. 3.
 Tools, Cooling. W. O. Haas, Jr. 2,439,927, Apr. 20.
 Tools, Making cutting. F. Wagner. 2,455,538, Dec. 7.
 Tools, Making garden. L. K. Kulesh. 2,436,476, Feb. 24.
 Tools, Making hand. L. R. Ryan. 2,439,058, Apr. 6.
 Tools, Making internal wrenching. L. C. Domack. 2,457,451, Dec. 28.
 Tools, Manufacturing diamond studded. J. P. Jones. 2,457,156, Dec. 28.
 Tools, Mounting for rotary. H. E. Elliott. 2,441,624, May 18.
 Tooth and mounting, Rotary tiller. W. L. Coutchure and J. H. Rollins. 2,443,096, June 8.
 Tooth, Artificial. A. H. White. 2,449,522, Sept. 14.
 Toothbrush. P. G. Bennett. 2,445,657, July 20.
 Toothbrush. L. E. Bressler. 2,443,297, June 15.
 Toothbrush. L. L. Fuston. 2,445,571, July 20.
 Toothbrush, Adjustable. J. P. Hawley. 2,435,394, Feb. 3.
 Toothbrush and dentifrice holder, Combination. W. A. Iverson. 2,443,425, June 15.
 Toothbrush, Dispensing. W. J. Hoffman and O. P. Olson. 2,439,166, Apr. 6.
 Toothbrush, Flexible bristle head. L. R. Bressler. 2,438,268, Mar. 23.
 Toothbrush having paste tube on handle. A. Loehr. 2,438,641, Mar. 30.
 Toothbrush holder. D. Beilock. 2,450,626, Oct. 5.
 Toothbrush holder. E. J. Hagglund. 2,437,781, Mar. 16.
 Toothbrush holder. C. F. Schulte. 2,440,385, Apr. 27.
 Toothbrush, Pocket. T. F. Jackson. 2,450,002, Sept. 28.
 Toothbrush, Power-operated. P. H. Blair. 2,435,421, Feb. 3.
 Toothbrush, Rotary. W. G. Robey. 2,446,955, Aug. 10.
 Tooth cleaning kit, Disposable. E. M. Curran. 2,454,995, Nov. 30.
 Tooth for power shovels. E. E. Robertson. 2,435,846, Feb. 10.

- Tooth paste and brush case. B. F. Aschemeier. 2,444,488, July 6.
- Tooth, Pontic. J. B. Earman. 2,437,943, Mar. 16.
- Tooth structure, Replaceable. F. W. Guibert and F. B. Fuller. 2,439,427, Apr. 13.
- Top access refrigerator cabinet. J. H. Benson. 2,446,322, Aug. 3.
- Top cap for electron tubes. E. F. Dillaby. 2,446,460, Aug. 3.
- Top, Flying. J. Kerezzi. 2,435,445, Feb. 3.
- Top for automobiles or the like, Convertible. F. W. Seckel. 2,448,054, Aug. 31.
- Top for ironing tables, Fabricated. E. C. Booth. 2,442,676, June 1.
- Top, Spinning. F. Wartell. 2,446,447, Aug. 3.
- Topography plotting device. B. C. Peters. 2,453,261, Nov. 9.
- Torch, Adjustable-electrode arc welding. W. C. Huguley. 2,438,701, Mar. 30.
- Torch cutting machine. S. Duvall. 2,448,089, Aug. 31.
- Torch, Gas heating. H. G. Hughey. 2,438,170, Mar. 23.
- Torch, Heating and brazing. M. L. Rogers. 2,444,850-1, July 6.
- Torch, Lighting. F. R. Rizer. 2,448,622, Sept. 7.
- Torch machine, Universal. R. F. Helmkamp. 2,452,189, Oct. 26.
- Torch, Welding. T. Svet. 2,436,617, Feb. 24.
- Toroidal winding machine. J. G. Veatch. 2,437,309, Mar. 9.
- Torpedo. L. J. Barry and W. S. Hegamyer. 2,453,828, Nov. 16.
- Torpedo control switch. C. C. Whittaker and R. C. Jones. 2,442,030, May 25.
- Torpedo director. A. S. Halsey. 2,439,209, Apr. 6.
- Torpedo nets, Making. A. E. Brickman. 2,447,154, Aug. 17.
- Torpedoes or bombs, Stabilizing and steering of aerial. W. G. Wilson. 2,434,187, Jan. 6.
- Torque and speed responsive mechanism. J. Nader and J. F. Mailander. 2,455,436, Dec. 7.
- Torque apparatus, Eddy-current. M. P. Winther. 2,454,364, Nov. 23.
- Torque control for helicopters. J. N. Candler. 2,452,355, Oct. 26.
- Torque converter and coupling, Rotary fluid. R. J. Miller. 2,434,218, Jan. 6.
- Torque converter, including multiple energizing and energy absorbing elements, Fluid. J. Jandasek. 2,453,795, Nov. 16.
- Torque converter of the converter coupling type, Hydraulic. H. H. Trail. 2,453,877, Nov. 16.
- Torque converter with friction clutch. H. E. Carnagua. 2,442,840, June 8.
- Torque measuring wrench. H. R. Billeter. 2,447,109, Aug. 17.
- Torquemeter. F. W. Godsey, Jr. 2,445,427, July 20.
- Torque meter. E. J. Martin and W. E. Sargeant. 2,457,700, Dec. 28.
- Torque overload release device. W. M. Siesel. 2,441,038, May 4.
- Torque responsive transmission means. R. Chilton. 2,446,409, Aug. 3.
- Torque testing machine, Autographic recording. D. M. Warner. 2,441,608, May 18.
- Torque tool with ratchet signal. H. W. Zimmerman. 2,449,034, Sept. 7.
- Torque-transmitting apparatus. O. E. Wolff. 2,447,384, Aug. 17.
- Torque transmitting coupling. E. E. Wemp. 2,441,174, May 11.
- Torsion specimen and holder for same. D. M. Van Winkle and D. C. Buffum. 2,454,850, Nov. 30.
- Torsion spring mounting. S. H. Edwards. 2,438,432, Mar. 23.
- Torsional oscillation generator. R. B. Allnutt and R. T. McGoldrick. 2,452,031, Oct. 26.
- Totalizer engaging mechanism. E. J. Carey and J. B. Geers. 2,443,652, June 22.
- Totalizing device. A. A. Markson. 2,455,184, Nov. 30.
- Totalizing mechanism. F. Q. Rast. 2,453,342, Nov. 9.
- Tow bar. J. W. Baker, Jr. 2,444,086, June 29.
- Tow bar. G. E. Hill. 2,448,311, Aug. 31.
- Tow bar clamp. H. Katz. 2,453,230, Nov. 9.
- Towel, Baby bath. A. Benamy. 2,441,745, May 18.
- Towel, holder and dispenser, Multiple. J. Russo. 2,445,495, July 20.
- Towel or cloth holder. L. L. Rifken. 2,457,274, Dec. 28.
- Towel or paper napkin dispensing device, Paper. T. F. Anderson and H. Taber. 2,434,342, Jan. 13.
- Towel rack. T. W. Bell. 2,455,213, Nov. 30.
- Tower, Cooling. E. W. Simons. 2,437,484, Mar. 9.
- Tower or mast. H. Cohen. 2,443,949, June 22.
- Towing apparatus. G. J. Fleming. 2,436,000, Feb. 17.
- Towing apparatus. M. J. Minter. 2,444,944, July 13.
- Towing device, Automobile. A. J. Roth. 2,455,140, Nov. 30.
- Toxin, Scarlet fever. J. N. Adam, Jr., and O. Durfee. 2,436,063, Feb. 17.
- Toxins and toxoids, Production of. I. A. Parfentjev and A. J. Weil. 2,454,755, Nov. 23.
- Toy. E. G. and R. E. Benson. 2,445,994, July 27.
- Toy. A. Buchmann. 2,451,801, Oct. 19.
- Toy. W. E. Dailey. 2,452,841, Nov. 2.
- Toy. A. J. Dube. 2,451,542, Oct. 19.
- Toy. J. Hatchett. 2,449,116, Sept. 14.
- Toy. G. E. Johnson. 2,443,354, June 15.
- Toy. A. H. Laidig. 2,440,177, Apr. 20.
- Toy. S. K. Lipschitz. 2,457,249, Dec. 28.
- Toy. H. E. Nietzsche. 2,452,865, Nov. 2.
- Toy. L. W. Samuels. 2,449,147, Sept. 14.
- Toy. E. S. Siwiec. 2,437,442, Mar. 9.
- Toy. J. H. Wright. 2,442,526, June 1.
- Toy, Aerial. E. J. Giara. 2,452,746, Nov. 2.
- Toy aircraft. W. E. Eckstein. 2,441,401, May 11.
- Toy airplane. J. Hojnowski. 2,437,743, Mar. 16.
- Toy, Airplane control. C. H. Foster. 2,454,693, Nov. 23.
- Toy, Animated. C. Luckhaupt. 2,455,430, Dec. 7.
- Toy, Animated. T. H. Phillips. 2,457,270, Dec. 28.
- Toy, Ball actuated. S. L. Long. 2,434,571, Jan. 13.
- Toy balloon. A. J. Annis. 2,436,684, Feb. 24.
- Toy bank. E. Kahn. 2,439,136, Apr. 6.
- Toy bank. M. R. Roberts. 2,436,604, Feb. 24.
- Toy block. W. R. McLain. 2,440,205, Apr. 20.
- Toy bombing device. W. E. Zamboni. 2,440,885, May 4.
- Toy bombing game. J. V. H. Whipple and A. B. C. Palazzo. 2,452,817, Nov. 2.
- Toy book, Animated. E. Nudelman. 2,454,669, Nov. 23.
- Toy, Bouncing whistling. M. A. Strumor. 2,446,439, Aug. 3.
- Toy building block. H. W. Harnquist. 2,446,179, Aug. 3.
- Toy building elements, Constructional. O. P. Erhardt. 2,442,122, May 25.
- Toy cannon. J. C. Wheeler. 2,449,432, Sept. 14.
- Toy cap gun. M. M. Fujiwara. 2,446,698, Aug. 10.
- Toy car unloader. W. R. Smith. 2,450,867, Oct. 5.
- Toy-carrying and releasing device for kites. P. C. Armbrust. 2,446,684, Aug. 10.
- Toy, Construction. J. F. Kershishnik. 2,446,770, Aug. 10.
- Toy, Dancing figure. D. B. Swayze. 2,434,059, Jan. 6.
- Toy, display device, and the like. G. M. Tomlin and H. Burrows. 2,453,646, Nov. 9.
- Toy, Educational. I. Gold. 2,437,090, Mar. 2.
- Toy, Educational. I. A. Mitchell. 2,435,149, Jan. 27.
- Toy ferris wheel. C. McBride. 2,437,000, Mar. 2.
- Toy ferris wheel. J. M. Streff. 2,451,585, Oct. 19.
- Toy, Flying. H. E. Dunn. 2,445,611, July 20.
- Toy football dummy. M. J. Gilman. 2,449,935, Sept. 21.
- Toy for children, Carousel. I. Cohn. 2,457,447, Dec. 28.
- Toy gun. E. L. Drumheller. 2,437,727, Mar. 16.
- Toy gun. G. P. Lee. 2,452,668, Nov. 2.
- Toy gun assembly. I. D. Wallach. 2,445,812, July 27.
- Toy gymnasium for baby cribs. L. H. Burlin. 2,437,241, Mar. 9.
- Toy, Helicopter. E. F. McCoy. 2,443,144, June 8.
- Toy helicopter. S. P. Nemeth. 2,439,143, Apr. 6.
- Toy heliplane. J. Chizmadia. 2,445,906, July 27.
- Toy, Interchangeable. G. E. and J. A. Berger. 2,450,326, Sept. 28.
- Toy, Knockapart. G. E. Froelich. 2,457,653, Dec. 28.
- Toy lift truck. B. C. Klint. 2,443,622, June 22.
- Toy loading station. O. P. Erhardt. 2,438,603, Mar. 30.
- Toy machine gun. H. S. Rochowiak. 2,434,436, Jan. 13.
- Toy, Magnetic reflective. A. L. Bewley. 2,453,965, Nov. 16.
- Toy, Mechanical. H. Brush. 2,454,375, Nov. 23.
- Toy merry-go-round. B. J. Assendrup. 2,444,906, July 13.
- Toy motor. P. Movitz. 2,446,296, Aug. 3.
- Toy movie. C. O. Walls. 2,441,607, May 18.
- Toy, Musical. K. E. Ewald. 2,442,680, June 1.
- Toy, Musical. E. A. Zadic. 2,442,447, June 1.
- Toy parachute. A. L. Ruthven. 2,439,989, Apr. 20.
- Toy propelled boat. I. Cohn. 2,439,649, Apr. 13.
- Toy, Pull. M. Sagat. 2,441,906, May 18.
- Toy, Racing. J. J. Cunningham. 2,441,060, May 4.
- Toy railroad accessories. R. G. Smith. 2,444,961, July 13.
- Toy railway bridge. E. M. Woodward. 2,452,888, Nov. 2.
- Toy rocket and bomb, Helicopter. L. W. Brown. 2,443,299, June 15.
- Toy, Rocket helicopter. L. W. Brown. 2,443,298, June 15.
- Toy rocket projectile, Whistling. E. S. Lutins. 2,443,395, June 15.
- Toy, Roller. J. L. La Forge. 2,452,939, Nov. 2.
- Toy, Sand. O. Fisher. 2,439,800, Apr. 20.
- Toy shovel attachment, Velocipede. F. A. McDunnah. 2,455,692, Dec. 7.
- Toy, Sound-operated. H. W. Noyes. 2,443,834, June 22.
- Toy, Sound producing. J. P. Gowland. 2,436,886, Mar. 2.
- Toy, Spinning. J. Woroneski. 2,436,158, Feb. 17.
- Toy steam shovel. J. G. Cullen and E. H. Spear. 2,445,105, July 13.
- Toy steering wheel. J. J. Braude. 2,455,887, Dec. 7.
- Toy submarine. F. E. Bonner. 2,438,031, Mar. 16.
- Toy submarine. F. Sabini. 2,452,495, Oct. 26.
- Toy, Wheeled. F. R. Higley. 2,440,747, May 4.
- Toy, Wheeled. J. B. Mosher. 2,438,616, Mar. 30.
- Toy, Wheeled figure. E. Stapan. 2,453,469, Nov. 9.
- Toys, more particularly toy merry-go-round. H. R. Goodale. 2,457,460, Dec. 28.
- Tracer and automatic pattern feed. W. L. Tancred. 2,456,158, Dec. 14.
- Tracer and tracer controlled operation of machine tools and other cutting machines. T. Miller. 2,447,201, Aug. 17.
- Tracer, Manually controlled. H. W. Gale. 2,437,190, Mar. 2.

- Track brake for kiln cars and the like. L. D. Ferguson. 2,444,500, July 6.
- Track for motor vehicles or the like, Tilttable. C. W. Story. 2,448,197, Aug. 31.
- Track for vehicles. C. O. Slemmons and R. W. Smith. 2,449,421, Sept. 14.
- Track for vehicles, Endless. L. W. Tripp. 2,437,338, Mar. 9.
- Track landing element and mounting same on aircraft, Endless. G. H. Dowty. 2,433,830, Jan. 6.
- Track mechanism, Endless. I. A. Kamlockhine. 2,453,750, Nov. 16.
- Track sanding apparatus for steam locomotives and other power-propelled vehicles. W. Downs. 2,443,380, June 15.
- Track tool. J. L. Tidwell. 2,447,216, Aug. 17.
- Tracking aiming mechanism, Aided. P. J. McLaren. 2,448,612, Sept. 7.
- Traction and control system, Generating electric. T. O. Lillquist. 2,449,399, Sept. 14.
- Traction attachment for driving wheels. W. Chausse. 2,441,471, May 11.
- Traction device. H. N. Boyer. 2,436,549, Feb. 24.
- Traction device. S. M. Crumrine. 2,438,656, Mar. 30.
- Traction device. W. E. Mack. 2,443,319, June 15.
- Traction device. C. B. Thompson. 2,443,406, June 15.
- Traction device for resilient tires and wheels. G. O. Hack. 2,440,632, Apr. 27.
- Traction device for tractors. H. N. Boyer. 2,455,110, Nov. 30.
- Traction device for vehicle wheels. G. F. Carpenter. 2,457,208, Dec. 28.
- Traction device for wheeled vehicles. B. D. Irvin. 2,455,307, Nov. 30.
- Traction increasing device for dual wheel vehicles. E. P. Petch. 2,454,005, Nov. 16.
- Traction increasing wheel attachment. W. Maxwell. 2,443,261, June 15.
- Traction lsg for automotive vehicles. V. E. Koepfel. 2,437,325, Mar. 9.
- Traction pad. W. T. Kollmeyer. 2,438,563, Mar. 30.
- Traction reducer. J. M. J. Riboud. 2,438,414, Mar. 23.
- Traction wheel. E. F. Sarver. 2,443,328, June 15.
- Tractor attaching structure for implements. F. T. Blaydes. 2,452,829, Nov. 2.
- Tractor coupling means for preventing upward movement of the tractor power plant and front end. C. H. Sauer. 2,443,804, June 22.
- Tractor cultivator. T. Brown. 2,449,159, Sept. 14.
- Tractor drive. H. W. Moore. 2,445,797, July 27.
- Tractor, Endless track type row crop. F. G. Lewis and C. P. Stephen. 2,440,518, Apr. 27.
- Tractor fifth wheel mounting. E. L. Miller. 2,438,323, Mar. 23.
- Tractor, Garden. D. H. Clark. 2,450,749, Oct. 5.
- Tractor implement. J. C. Collins. 2,456,491, Dec. 14.
- Tractor-mounted implement. R. D. Acton. 2,435,563, Feb. 10.
- Tractor mower. S. E. Hilblom. 2,454,697, Nov. 23.
- Tractor power device. R. D. Acton. 2,454,684, Nov. 23.
- Tractor-semitrailer coupling. C. G. Seyferth. 2,441,293, May 11.
- Tractor steering control. A. N. Milster. 2,440,016, Apr. 20.
- Tractor, Track-laying. L. B. Merrill. 2,452,671, Nov. 2.
- Tractor-trailer and safety hitch therefor. H. G. Ferguson. 2,442,458, June 1.
- Tractor-trailer construction. R. B. Curell, Jr. 2,445,134, July 13.
- Tractor, Two-wheel. R. G. Le Tourneau. 2,454,070, Nov. 16.
- Tractors, Power take-off for. W. M. Crump. 2,441,798, May 18.
- Tractors, Shield for. H. L. Blakey. 2,441,132, May 11.
- Traffic control light. G. D. Hefner and A. C. Pranschiefer. 2,434,741, Jan. 20.
- Traffic control system, Airway. N. D. Preston and F. B. Hitchcock. 2,439,948, Apr. 20.
- Traffic control system for railroads, Centralized. N. D. Preston and F. B. Hitchcock. 2,456,533, Dec. 14.
- Traffic controlling system, Airway. N. D. Preston and F. B. Hitchcock. 2,439,862, Apr. 20.
- Traffic controlling system for railroads, Centralized. W. M. Barker. 2,434,240, Jan. 13.
- Traffic direction indicator. W. E. Stilwell, Jr. 2,435,106, Jan. 27.
- Traffic or display sign. J. J. Hammer. 2,454,162, Nov. 16.
- Traffic protection apparatus. J. H. Broadbent. 2,454,249, Nov. 16.
- Traffic protection apparatus. H. A. Talbert. 2,442,735, June 1.
- Trailer. W. E. Martin. 2,441,710, May 18.
- Trailer. B. N. McCain. 2,457,581, Dec. 28.
- Trailer. A. F. Pike. 2,452,789, Nov. 2.
- Trailer. C. C. Stuart. 2,452,270, Oct. 26.
- Trailer and the like, Boat. F. Krake. 2,448,443, Aug. 31.
- Trailer and the like, Boat-carrying. F. Krake. 2,452,937, Trailer and tractor lifting unit. Heavy duty. R. L. Meadows. 2,449,947, Sept. 21.
- Trailer, Boat. G. H. Clary. 2,442,994, June 8.
- Trailer, Boat. R. F. Kuns. 2,457,567, Dec. 28.
- Trailer, Boat. I. L. Owens. 2,457,395, Dec. 28.
- Trailer, Boat. C. F. Peterson. 2,448,119, Aug. 31.
- Trailer, Boat. R. R. Sampson. 2,442,248, May 25.
- Trailer, Boat-carrying. F. Krake. 2,452,938, Nov. 2.
- Trailer, Collapsible. A. M. Nelson. 2,456,013, Dec. 14.
- Trailer construction. A. G. Schramm. 2,453,388, Nov. 9.
- Trailer coupling. G. Levesque du Rostu. 2,441,024, May 4.
- Trailer, Dump. J. J. Powers. 2,436,017, Feb. 17.
- Trailer for boat handling. E. W. Oeth. 2,451,236, Oct. 12.
- Trailer for disk machines. F. M. Dominic. 2,456,868, Dec. 21.
- Trailer, Heavy-duty. E. A. Rehberger. 2,452,681, Nov. 2.
- Trailer hitch. W. H. Olney. 2,452,785, Nov. 2.
- Trailer, Low bed. G. D. Ferguson. 2,443,611, June 22.
- Trailer prop, Antifriction. J. J. Black. 2,446,517, Aug. 10.
- Trailer, Two-wheel boat. B. O. Sanford. 2,444,231, June 29.
- Trainer, Aviation. K. A. Kail. 2,442,205, May 25.
- Training device. R. E. Kittredge. 2,439,169, Apr. 6.
- Training device. E. A. Link, Jr. 2,442,297, May 25.
- Training device, Artificial respiration. H. Church. 2,451,200, Oct. 12.
- Training device, Ball-player's. R. V. Fessler. 2,443,131, June 8.
- Training device for object locating signaling systems. W. W. Fritsch. 2,442,351, June 1.
- Training machine, Football. A. F. Denby. 2,440,577, Apr. 27.
- Training mechanisms for firearms. F. W. Reinhold and J. J. Maciejowski. 2,452,147, Oct. 26.
- Tramp material, Detecting. R. L. Manegold and I. H. Wynne. 2,446,977, Aug. 10.
- Transducer. H. W. Ashton. 2,454,496, Nov. 23.
- Transducer. F. Massa. 2,451,966, Oct. 19.
- Transducer, Capillary. C. F. Burgess. Re. 22,971, Feb. 10.
- Transducer, Electroacoustical. L. E. Barton. 2,450,104, Sept. 28.
- Transducer, Magnetostrictive electroacoustic. A. Murdoch, Jr. 2,451,968, Oct. 19.
- Transducer, Underwater. F. Massa. 2,440,903, May 4.
- Transducing system, Sound-to-image. G. L. Dimmick. 2,453,502, Nov. 9.
- Transfer apparatus for plywood, Selective. A. C. Johnson. 2,434,411, Jan. 13.
- Transfer device for tube and rod chucks. B. F. Bower. 2,438,600, Mar. 30.
- Transfer mechanism for plural compartment concrete mixing drums. A. McMillan. 2,434,216, Jan. 6.
- Transfer of particle form solids, Method and apparatus for. E. V. Bergstrom. 2,443,180, June 15.
- Transfer of particle form solids, Method and apparatus for. E. V. Bergstrom and E. Utterback. 2,443,412, June 15.
- Transfer system, Bus. E. B. Ankenman. 2,454,117, Nov. 16.
- Transfer valve. R. M. Glantz. 2,443,679, June 22.
- Transferring measured quantities of liquefied gas, Process and apparatus for. R. M. Thayer. 2,453,766, Nov. 16.
- Transformation system, Electric frequency. E. F. W. Alexanderson, A. H. Mittag, and M. W. Sims. 2,451,189, Oct. 12.
- Transformer. J. W. Farr. 2,440,540, Apr. 27.
- Transformer. M. B. Mallett. 2,442,274, May 25.
- Transformer and connection for starting arc lamps. D. Reichstein. 2,457,494, Dec. 28.
- Transformer assembly, Tuned. L. G. Ketcham. 2,435,630, Feb. 10.
- Transformer, Band-pass. J. B. Gainer. 2,462,560, Nov. 2.
- Transformer coil. M. Tama. 2,443,842, June 22.
- Transformer control, Electronic. D. B. Clark. 2,452,548, Nov. 2.
- Transformer, Electrical. A. C. Wall. 2,455,960, Dec. 14.
- Transformer, High reactance. J. G. Wellings. 2,446,033, July 27.
- Transformer, Impedance. E. L. Ginzton. 2,436,427, Feb. 24.
- Transformer, Instrument current. F. R. D'Entremont. 2,436,636, Feb. 24.
- Transformer, Line cord. W. H. Bussey. 2,436,742, Feb. 24.
- Transformer, Radio-frequency. C. W. Ramsden. 2,452,679, Nov. 2.
- Transformer spark plug. A. C. Wall. 2,441,047, May 4.
- Transformer structure. J. K. Hodnette. 2,456,941, Dec. 21.
- Transformer system, Tapped. A. Boyajian. 2,449,367, Sept. 14.
- Transformer system, Tapped. Z. O. St. Palley. 2,440,983, May 4.
- Transformer, Variable. J. G. Abbott. 2,442,751, June 8.
- Transformer, Variable. S. Berman. 2,450,868, Oct. 12.
- Transformer, Wide-band high-frequency. D. Mackey. 2,441,116, May 4.
- Transformer winding. G. F. Stearn. 2,453,552, Nov. 9.
- Transformer with part turn winding, Instrument current. F. J. Lingel. 2,450,973, Oct. 12.
- Transformer with regulatable leakage reactance. E. Fries. 2,437,021, Mar. 2.
- Transforming arrangement, Electric. C. S. Bull. 2,457,528, Dec. 28.
- Transfusion equipment. L. W. Diggs. 2,435,820, Feb. 10.
- Transit concrete mixer. L. G. Hilkemeier. 2,439,250, Apr. 6.

- Translating device. J. J. Antalek. 2,440,565, Apr. 27.
 Translating device. C. A. Bieling. 2,438,893, Apr. 6.
 Translating device. W. A. Marrison. 2,437,266, Mar. 9.
 Translating device. R. G. Neuhaus. 2,456,726, Dec. 21.
 Translating device. R. S. Ohl. 2,441,590, May 18.
 Translating device and making it. R. S. Ohl. 2,437,269, Mar. 9.
 Translating device, Magnetic. B. B. Bauer. 2,454,425, Nov. 23.
 Translating device, Mechanical. A. W. Mooney. 2,441,247, May 11.
 Translating materials and making them, Electrical. K. H. Storks and G. K. Teal. 2,441,603, May 18.
 Translating system, Capacitor. H. A. Strickland, Jr. 2,440,309, Apr. 27.
 Translating system, Magnetic sound. W. P. Lear. 2,438,222, Mar. 23.
 Translating system, Variable frequency continuous balance. K. Rath. 2,441,035, May 4.
 Transmission. O. H. Banker. 2,447,552, Aug. 24.
 Transmission. I. F. Davidson. 2,439,079, Apr. 6.
 Transmission. A. Y. Dodge. 2,446,462, Aug. 3.
 Transmission. E. B. Eaton. 2,448,872, Sept. 7.
 Transmission. C. Gerst. 2,443,313, June 15.
 Transmission. M. Godbe, Jr. 2,445,573, July 20.
 Transmission. H. R. Greenlee. 2,437,517, Mar. 9.
 Transmission. R. W. Hautzenroeder. 2,453,128, Nov. 9.
 Transmission. J. Jandasek. 2,441,490, May 11.
 Transmission. R. Lapsley. 2,456,132, Dec. 14.
 Transmission. H. R. Mitchell and C. M. Sobotka. 2,451,401, Oct. 12.
 Transmission. P. Orr. 2,440,613, Apr. 27.
 Transmission. H. D. Polie. 2,445,968, July 27.
 Transmission. W. L. Pollard. 2,437,333, Mar. 9.
 Transmission. F. W. Seybold. 2,454,014, Nov. 16.
 Transmission. H. C. Wimer. 2,440,625, Apr. 27.
 Transmission and clutch assembly. C. S. Schroeder. 2,446,854, Aug. 10.
 Transmission and control mechanism therefor, Motor vehicle. F. R. McFarland. 2,448,678, Sept. 7.
 Transmission and control therefor. H. E. Carnagua. 2,449,586, Sept. 21.
 Transmission and control therefor. B. B. Le May, Jr. 2,449,608, Sept. 21.
 Transmission and reproduction of optical and acoustical effects. E. Hopkins. 2,451,734, Oct. 19.
 Transmission, Automatic. R. H. Hodgson. 2,445,482, July 20.
 Transmission, Automatic. H. Nutt and R. L. Smirl. 2,456,726, Jan. 27.
 Transmission belts, Making. R. S. Carter and M. L. Dorf. 2,456,580, Dec. 14.
 Transmission cable. C. A. Arens. 2,438,380, Mar. 23.
 Transmission, Change gear. F. T. Court. 2,446,263, Aug. 3.
 Transmission communication apparatus, High-speed. S. D. Eilenberger. 2,435,879, Feb. 10.
 Transmission control, Dual. E. M. Sternberg. 2,445,716, July 20.
 Transmission control mechanism. J. C. Auten. 2,436,186, Feb. 17.
 Transmission control mechanism. J. C. Auten. 2,440,217, Apr. 20.
 Transmission control mechanism. J. C. Auten. 2,442,159, May 25.
 Transmission control mechanism. J. C. Auten. 2,442,634, June 1.
 Transmission control system. J. B. Polomski. 2,444,953, July 13.
 Transmission device, Mechanical, linear, rotary, flexible, push-pull. L. R. Potter. 2,441,719, May 18.
 Transmission, Fluid. R. A. Pyle. 2,451,118, Oct. 12.
 Transmission, Fluid. J. Jandasek. 2,440,445, Apr. 27.
 Transmission for locomotive turbines, Two-speed. J. S. Newton. 2,435,633, Feb. 10.
 Transmission for measuring instruments. W. O. Davis. 2,442,722, June 1.
 Transmission for motorized vehicles. E. A. Ryker. 2,456,894, Dec. 21.
 Transmission for vending machines and the like, Safety. O. Altman. 2,449,043, Sept. 14.
 Transmission gearing, Worm and wheel unidirectional. P. S. Morgan. 2,448,187, Aug. 31.
 Transmission, Hydraulic. E. Orshansky, Jr. 2,456,077, Dec. 14.
 Transmission, Hydrodynamic. L. E. La Brie. 2,457,692, Dec. 28.
 Transmission line, Adjustable. G. J. Yevick. 2,446,863, Aug. 10.
 Transmission line, Artificial. N. E. Beverly. 2,440,652, Apr. 27.
 Transmission line, Coaxial. L. A. Bondon. 2,436,284, Feb. 17.
 Transmission line, Coaxial. K. A. Young. 2,435,618, Feb. 10.
 Transmission line for radio frequencies. M. C. Pease. 2,444,206, June 29.
 Transmission lines, Termination for. F. B. Gunter. 2,434,560, Jan. 13.
 Transmission, Mechanical. G. T. Moo. 2,448,386, Aug. 31.
 Transmission mechanism. J. O. Berndtson. 2,437,314, Mar. 9.
 Transmission mechanism. W. Howald. 2,439,003, Apr. 6.
 Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,450,056, Sept. 28.
 Transmission mechanism, Power. G. Boggio. 2,436,033, Feb. 17.
 Transmission mechanism, Variable-speed. P. Kemeny. 2,453,517, Nov. 9.
 Transmission of electric power over long distances. A. M. Taylor. 2,441,650, May 18.
 Transmission of glass, Improving stability and ultraviolet. J. L. Sheldon. 2,433,928, Jan. 6.
 Transmission operating device and interlock. D. Roeder and H. L. Brock. 2,438,455, Mar. 23.
 Transmission operating mechanism. H. W. Price. 2,440,558, Apr. 27.
 Transmission, Power. V. E. Matulaitis. 2,436,071, Feb. 17.
 Transmission, Power. K. I. Postel. 2,440,614, Apr. 27.
 Transmission, Synchroresh. R. S. Plexico. 2,435,929, Feb. 10.
 Transmission, Synchronized radio. W. L. Barrow. 2,435,569, Feb. 10.
 Transmission system. E. Labin. 2,445,783, July 27.
 Transmission system and method. W. M. Sharpless. 2,436,830, Mar. 2.
 Transmission system, Electric regenerative. K. Kasschau. 2,443,770, June 22.
 Transmission system, Fluid pulsator. G. R. Ericson. 2,454,311, Nov. 23.
 Transmission system, Power. D. T. Brownlee. 2,452,178, Oct. 26.
 Transmission system, Speech. G. Guanella. 2,439,293, Apr. 6.
 Transmission, Universal reduction gear. J. Lewit. 2,457,385, Dec. 28.
 Transmission, Variable pitch fluid. R. Goldberg. 2,456,696, Dec. 21.
 Transmission, Variable-speed. A. G. Bade. 2,457,431, Dec. 28.
 Transmission, Variable speed. W. R. Bonham. 2,448,249, Aug. 31.
 Transmission, Variable-speed. J. L. Christmann. 2,455,407, Dec. 7.
 Transmission, Variable-speed. G. C. Cooke. 2,454,991, Nov. 30.
 Transmission, Variable-speed. G. M. Harry. 2,455,483, Dec. 7.
 Transmission, Variable-speed. L. E. Jones. 2,448,598, Sept. 7.
 Transmission, Variable-speed. C. Krispis. 2,453,577, Nov. 9.
 Transmission, Variable speed. A. G. Schneider. 2,456,328, Dec. 14.
 Transmission, Variable-speed. N. S. Trout, Jr. 2,456,600, Dec. 14.
 Transmission, Variable speed and power. F. J. Morith. 2,455,082, Nov. 30.
 Transmission with governor-synchronized gears, Semi-automatic automotive. D. S. Bennetch. 2,451,058, Oct. 12.
 Transmitter, Alternating current telemetering. H. T. Faus. 2,436,639, Feb. 24.
 Transmitter and receiver, Combined radio. D. H. Mitchell. 2,439,410, Apr. 13.
 Transmitter and receiver, Pulse type telegraph. C. E. Cleeton. 2,444,429, July 6.
 Transmitter and receiver, Supersonic signal. C. Chilowsky. 2,434,143, Jan. 6.
 Transmitter and signaling system, Unit. M. W. Muehter. 2,441,502, May 11.
 Transmitter, Electron tube variable impulse. J. R. Desch, E. V. Gulden, and R. E. Mumma. 2,451,812, Oct. 19.
 Transmitter employing a cathode-ray tube time modulator, Pulse multiplex. P. K. Chatterjea and L. W. Houghton. 2,454,773, Nov. 30.
 Transmitter for aviation ground trainers, Automatic aural-visual signal. C. J. Crane. 2,454,503, Nov. 23.
 Transmitter for distance determining system. D. Blitz. 2,446,520, Aug. 10.
 Transmitter for interstate telephone communication, Call. C. D. Richard. 2,434,959, Jan. 27.
 Transmitter for metering systems, Impulse. C. Oman. 2,451,971, Oct. 19.
 Transmitter for self-synchronous systems. J. L. Everett. 2,452,042, Oct. 26.
 Transmitter, Impulse. R. L. Sargisson and H. F. Obergfell. 2,451,358, Oct. 12.
 Transmitter or receiver, Magnetostrictive compressional wave. R. L. Peek, Jr. 2,437,270, Mar. 9.
 Transmitter or receiver, Pressure compensated submarine sound. J. H. King. 2,444,049, June 29.
 Transmitter or receiver, Underwater sound. H. C. Hayes. 2,434,926, Jan. 27.
 Transmitter or receiver, Underwater sound. F. Massa. 2,456,294, Dec. 14.
 Transmitter or receiver, Vibrational energy. F. Massa. 2,451,967, Oct. 19.
 Transmitter-receiver switching system. J. E. Kelster. 2,438,367, Mar. 23.
 Transmitter-receiver, Velocity variation. A. L. Samuel. 2,455,094, Nov. 30.
 Transmitter, Resistance. A. Wickesser. 2,442,630, June 1.
 Transmitter, Self-propelled. S.-U. A. Choudhury, L. J. Clark, and A. H. Maggs. 2,436,200, Feb. 17.

- Transmitter-sheet loading and stripping mechanism, Facsimile. W. G. H. Finch and G. H. Hohmann. 2,451,080, Oct. 12.
- Transmitter, Spark. H. Benioff. 2,450,413, Oct. 5.
- Transmitter, Telegraphic code. J. A. Spencer, C. L. Kennedy, and L. A. Thomas. 2,452,333, Oct. 26.
- Transmitter, Telephone call. L. J. Bowne. 2,433,836, Jan. 6.
- Transmitter, Trigger operated carrier telegraph. L. Everett. 2,434,916, Jan. 27.
- Transmitter tuning and antenna switching arrangements, Uncontrolled. J. M. Dodds and J. H. Ludlow. 2,438,116, Mar. 23.
- Transmitter, Vane type. H. Konet. 2,438,406, Mar. 23.
- Transmitter, Variable test. J. A. Spencer. 2,453,871, Nov. 16.
- Transmitter with anode voltage modulation. M. Favre. 2,436,066, Feb. 17.
- Transmitting and receiving compressional energy, Device for. H. Benioff. 2,450,412, Oct. 5.
- Transmitting and receiving system, Radio. A. A. Collins. 2,447,490, Aug. 24.
- Transmitting apparatus, Impulse. J. B. R. Kilholm. 2,457,381, Dec. 28.
- Transmitting apparatus, Impulse. M. Lewandowski. 2,451,840, Oct. 19.
- Transmitting apparatus, Underwater image. H. A. Adams. 2,433,971, Jan. 6.
- Transmitting mechanism, Sealed. W. A. Reichel. 2,454,340, Nov. 23.
- Transmitting system, Television and sound. E. Labin. 2,437,900, Mar. 9.
- Transmitting tube. A. Gaudenzi and O. Schärli. 2,443,237, June 15.
- Trans-1,2-dichlorethylene, Producing. E. Adler. 2,440,997, May 4.
- Transparent plastic, Laminated. D. A. Swedlow. 2,456,467, Dec. 14.
- Transponder for testing radar devices. M. A. Schultz and R. E. Bertine. 2,454,219, Nov. 16.
- Transport vehicle. E. A. Norbom. 2,440,379, Apr. 27.
- Transportation bracket. R. Case. 2,455,228-9, Nov. 30.
- Transportation load and preparing the same. D. F. Hedges. 2,453,626, Nov. 9.
- Transportation vehicle. J. E. Bowers. 2,438,534, Mar. 30.
- Transporting and dumping equipment. G. R. Dempster. 2,451,721, Oct. 19.
- Transporting and lowering apparatus, Burial vault. C. E. Almendinger and E. L. Behrens. 2,444,690, July 6.
- Transporting and storage crate. D. H. Bitney. 2,438,030, Mar. 16.
- Transporting equipment. G. R. Dempster. 2,437,806, Mar. 16.
- Transporting goods from a chocolate coating or like machine. J. E. Pointon and A. A. Tunley. 2,443,863, June 22.
- Transporting means, Vehicle. H. L. Ekin and J. O. Young. 2,436,959, Mar. 2.
- Transversal filter. H. L. Barney. 2,451,465, Oct. 19.
- Trap: See—
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| Animal trap. | Insect trap. |
| Chemical gun trap. | Rodent trap. |
| Eel trap. | Sludge trap. |
| Gopher trap. | |
| Gun trap. | |
- Trap. E. E. Billings. 2,446,687, Aug. 10.
- Trap. L. Bourgeois. 2,440,570, Apr. 27.
- Trap. C. J. Ford. 2,437,020, Mar. 2.
- Trap. J. Patrick. 2,448,618, Sept. 7.
- Trap device for rodents. H. Tsai and N. Chuy. 2,445,980, July 27.
- Trap for filter provided with magnetic means, Sediment. P. G. Cox and H. A. Hansen. 2,437,221, Mar. 2.
- Trap for streams, Sediment. A. J. Clegg. 2,436,630, Feb. 24.
- Traverse motion. O. W. Schlums. 2,451,243, Oct. 12.
- Traversing mechanism. G. I. Chinn. 2,447,487, Aug. 24.
- Tray. H. A. Stepper. 2,457,285, Dec. 28.
- Tray and grid, Ice cube. D. H. Reeves. 2,444,789, July 6.
- Tray and support structure, Sloping bottom. L. P. Touchett. 2,444,584, July 6.
- Tray, Ash. M. F. Meadows. 2,436,012, Feb. 17.
- Tray, Ash. W. Stevenson. 2,434,181, Jan. 6.
- Tray, Automobile. W. G. Farrar, Jr. 2,443,381, June 15.
- Tray, Automobile refreshment. C. W. Morgan. 2,435,151, Jan. 27.
- Tray, Butter. H. P. Keefer. 2,444,704, July 6.
- Tray, Desk. M. Gluckman. 2,457,364, Dec. 28.
- Tray, Display. J. E. Bouchard. 2,442,070, May 25.
- Tray, Drying. P. La Macchia. 2,449,658, Sept. 21.
- Tray for heat-treating furnaces, Flexible work. H. F. Jackson. 2,453,845, Nov. 16.
- Tray for metal desk center drawers, Pin. J. V. Crell. 2,442,038, May 25.
- Tray for parallel arm drafting machines. W. J. Leinheiser. 2,436,045, Feb. 17.
- Tray, Ice. F. W. Sampson. 2,452,686, Nov. 2.
- Tray, Ice cube. H. Collister. 2,456,924, Dec. 21.
- Tray, Ice cube. C. A. Flynn. 2,452,846, Nov. 2.
- Tray, Rigid lightweight metal. W. G. Ballantyne and J. A. Thompson. 2,456,481, Dec. 14.
- Tray stack, Knockdown. J. W. Meinhardt. 2,448,679, Sept. 7.
- Tray, Starch. B. B. Butler. 2,443,341, June 15.
- Tray structure. H. C. Dee. 2,456,929, Dec. 21.
- Trays, Coin. T. E. Jensen. 2,448,982, Sept. 7.
- Treadle, Electric. C. O. Bruestle. 2,445,660, July 20.
- Treated steel sheet and process. R. R. Tanner. 2,438,013, Mar. 16.
- Treating a hydrocarbon feed stock with a solution of toluene sulphonic acid and sodium meta arsenite. G. H. Shipley, Jr., and G. W. Wilson, Jr. 2,436,494, Feb. 24.
- Treating bituminous coal. E. J. Schabelitz. 2,453,543, Nov. 9.
- Treating bituminous sands, Process and apparatus for. R. F. Bauer and H. J. Matthews. 2,453,060, Nov. 2.
- Treating bituminous shales. J. L. M. Fréjacques. 2,457,457, Dec. 28.
- Treating diacetone sorbose and monoacetone sorbose. J. F. Mahoney and H. H. Bassford, Jr. 2,437,858, Mar. 16.
- Treating hydrocarbon oil, Process and apparatus for adsorptively and catalytically. A. D. Smith. 2,436,495, Feb. 24.
- Treating leafy vegetables. J. N. Sharma. 2,453,040, Nov. 2.
- Treating milk, blood, and other globular liquids, Process and apparatus for. S. B. Crespi. 2,455,235, Nov. 30.
- Treating oil wells. A. G. Eickmeyer. 2,452,736, Nov. 2.
- Treating sulfidic tungsten ore concentrates. T. J. Williams. 2,437,870, Mar. 16.
- Treating tomatoes. D. Childs, A. E. Braun, and J. Hanson. 2,437,937, Mar. 16.
- Treating wells, Method of and apparatus for. A. G. Bodine, Jr. 2,437,456, Mar. 9.
- Treating yarn. F. R. Millhiser. 2,453,332, Nov. 9.
- Treatment by azeotropic distillation of complex mixtures. S. J. Ralph and G. A. Dummett. 2,450,381, Sept. 28.
- Treatment by compression waves. C. B. Horsley. 2,448,372, Aug. 31.
- Treatment of cast iron. H. B. Kinnear. 2,444,354, June 29.
- Treatment of chloromethyl-substituted polysiloxanes. J. R. Elliott and R. H. Kriebel. 2,457,539, Dec. 28.
- Treatment of flour for controlling its strength. H. H. Ward. 2,450,260, Sept. 28.
- Treatment of hydrocarbon oils. D. M. McCormick. 2,442,820, June 8.
- Treatment of hydrocarbons. S. J. Hetzel and R. M. Kennedy. 2,438,404, Mar. 23.
- Treatment of metals, Surface. D. A. Gorman, Sr. 2,453,429, Nov. 9.
- Treatment of normally gaseous mixtures. H. H. Wenzke. 2,451,136, Oct. 12.
- Treatment of pineapple plants with plant hormones. F. P. Mehrlich. 2,441,163, May 11.
- Treatment of polyalkyl aromatics. V. N. Ipatieff and L. Schmerling. 2,438,215, Mar. 23.
- Treatment of sugar-containing liquids. J. J. Naugle and L. Wickenden. 2,441,281, May 11.
- Treatment of synthetic plastic fibers. H. E. Rose. 2,441,209, May 11.
- Treatment of textile material with alkaline cellulose zincate solutions. S. M. Edelstein. 2,442,973, June 8.
- Treatment of textile materials with aldehydes. M. Weisberg, A. S. Stevenson, and L. Beer. 2,441,859, May 18.
- Treatment of water. C. A. Hampel. 2,452,928, Nov. 2.
- Treatment of water. G. P. Vincent, J. D. MacMahon, and J. F. Synan. 2,452,970-1, Nov. 2.
- Treatment of wool to impart shrinkage resistance thereto. H. F. Clapham, M. Harris, and A. L. Smith. 2,457,033, Dec. 21.
- Tree holder device. N. W. White. 2,444,390, June 29.
- Tree, Shoe. I. L. Lesavoy. 2,436,313, Feb. 17.
- Tree tapping machine, Portable drill. H. E. Allen. 2,434,089, Jan. 6.
- Trundle or the like, Adjustable. W. F. Charley. 2,440,847, May 4.
- Triamino propanes. M. Senkus. 2,436,779, Feb. 24.
- Triangle solver. W. H. Newell and L. S. Brown. 2,438,818, Mar. 30.
- Triangulation apparatus for determining the path of an aerial target. E. von Segebaden. 2,445,546, July 20.
- Tribiphenylmethane dyestuff and pigment dyestuffs and making the same. A. H. Popkin. 2,448,823, Sept. 7.
- Trichloro acids, Preparation of. R. E. Plump. 2,443,118, June 8.
- Trichloroacetamide, Production of. O. W. Bäuer and J. W. Teter. 2,443,291, June 15.
- Tricycle. L. W. Sly. 2,449,254, Sept. 14.
- Tricycle, Convertible. A. M. Teta. 2,455,281, Nov. 30.
- Tricycle vehicle. K. Donovan. 2,434,759, Jan. 20.
- Tridimensional radio direction indicator. J. Lyman. 2,440,777, May 4.
- Trigger action for automatic firearms. W. I. Smith. 2,457,001, Dec. 21.
- Trigger action for double-barrel shotguns, Single. C. A. Young. 2,452,825, Nov. 2.
- Trigger for firearms. V. G. Yawman. 2,457,296, Dec. 28.
- Trigger housing group for firearms, Removable. J. and F. Koucky. 2,448,810, Sept. 7.
- Trigger mechanism. L. Browning. 2,448,765, Sept. 7.
- Trigger safety for guns, Double. C. S. Rogers. 2,436,267, Feb. 17.
- Triggering effect in proximity to an object adapted to radiate radiant-wave energy, Arrangement for producing a. H. C. Page. 2,441,030, May 4.

- Trigonometric calculator. A. B. King. 2,452,662, Nov. 2.
Trim ring for vehicle wheels. G. A. Lyon. 2,447,021, Aug. 17.
Trimethylenebenzomorpholine azo compounds. J. B. Dickey and J. G. McNally. 2,448,869, Sept. 7.
Trimmer, Grain. G. E. Toner. 2,446,968, Aug. 10.
Trimmer, Hedge. A. A. Dishmaker. 2,443,027, June 8.
Trimmer, Lawn edge. F. Trevino. 2,445,842, July 27.
Trimmer, Sole edge. A. C. Nelson. 2,450,292, Sept. 28.
Trimming and grooving machine. C. W. Lowe. 2,436,111, Feb. 17.
Trimming apparatus. J. W. Stringe. 2,452,402, Oct. 26.
Trimming board. F. M. Lund. 2,435,559, Feb. 3.
Trimming machine. H. R. Abbrecht. 2,449,042, Sept. 14.
Trimming machine. W. S. Reynolds. 2,448,393, Aug. 31.
Trimming machine, Flash. A. H. Lewis. 2,456,432, Dec. 14.
Trimming mechanism for grinder wheels. R. W. Dickleson. 2,453,501, Nov. 9.
Trip-rope tensioning and releasing device. E. S. Boston. 2,444,974, July 13.
Tripping and interlocking device for circuit breakers. J. W. Seaman. 2,449,820, Sept. 21.
Tripping mechanism, Inertia. J. H. Pressley. 2,436,529, Feb. 24.
Triple sealed icebox door. H. E. Ross. 2,457,496, Dec. 28.
Tripod. H. Schulz. 2,455,525, Dec. 7.
Tripod. G. Shalkhauser. 2,453,817, Nov. 16.
Tripod head, Adjustable. L. Bentzman. 2,434,829, Jan. 20.
Tripod leg. T. C. Furnas, Jr. 2,442,000, May 25.
Tripod support for signal flares. R. R. Gunderson. 2,436,298, Feb. 17.
Tris-(trimethylsilyl) borate and preparing the same. R. H. Kriebel. 2,440,101, Apr. 20.
Trisazo dyestuffs and making same. A. Jenny and A. Pedolin. 2,434,410, Jan. 13.
Trisodium phosphate dodecahydrate and manufacturing same. C. H. Russell. 2,436,670, Feb. 24.
Trolley conductor device. R. P. Hanna. 2,438,007, Mar. 16.
Trolley for electric cranes. E. W. Burroughs, Sr., W. J. Byrd, and M. P. Seawell. 2,457,443, Dec. 28.
Trolley glider. W. W. Sloane. 2,457,326, Dec. 28.
Trolley line clamp. G. A. Walters. 2,448,333, Aug. 31.
Trolley locking device. H. F. Wright. 2,435,418, Feb. 3.
Trolley pole positioning means. J. J. Slomer. 2,437,213, Mar. 2.
Trolley rail, Integral. B. B. McCarn. 2,442,774, June 8.
Trolley systems, Steadying catenary. L. W. Birch. 2,436,089, Feb. 17.
Trolley wire tap. R. Kiser. 2,457,682, Dec. 28.
Trough, Boiler detention. J. F. Spaht. 2,449,624, Sept. 21.
Trough, Feed. C. E. Erickson and F. L. Zufelt. 2,448,707, Sept. 7.
Trough, Watering. M. A. and F. Hoburg. 2,452,237, Oct. 26.
Trousers and suspender combination. W. A. Thomason, Jr. 2,437,714, Mar. 16.
Trousers construction. A. J. Miller. 2,434,217, Jan. 6.
Trousers-creasing apparatus. L. F. Clements. 2,437,457, Mar. 9.
Trousers hanger. T. A. Bell. 2,440,066, Apr. 20.
Trousers hanger. E. J. Neaves. 2,456,014, Dec. 14.
Trousers hanger. L. S. Paulic. 2,434,430, Jan. 13.
Trousers. C. Brode. 2,440,573, Apr. 27.
Trousers. M. Gray. 2,457,462, Dec. 28.
Trousers. T. Kotzin. 2,455,589, Dec. 7.
Trousers. L. Markin. 2,438,933, Apr. 6.
Trousers. L. Markin. 2,444,020, June 22.
Trousers, shorts, and the like. J. Dobson. 2,448,705, Sept. 7.
Trousers slacks. M. C. Bohr. 2,435,422, Feb. 3.
Trout reel. F. Dashman. 2,436,422, Feb. 24.
Trowelling machine. J. O. Huffman. 2,434,408, Jan. 13.
Truck: See—
Elevating platform truck.
Truck. C. L. Heater. 2,456,635, Dec. 21.
Truck, Aircraft service power. K. W. Couse. 2,448,172, Aug. 31.
Truck and elevator, Combined. R. F. Gordon. 2,440,681, May 4.
Truck and trailer, Industrial. T. P. Wyman and P. B. Ruppe. 2,439,232, Apr. 6.
Truck, Automobile transporting. E. V. Garnett. 2,454,554, Nov. 23.
Truck, Auxiliary vehicle. E. H. Etgen. 2,440,502, Apr. 27.
Truck body, Side dump. R. Abraham. 2,439,439, Apr. 13.
Truck bolster spring. C. P. Leese. 2,456,790, Dec. 21.
Truck, Car. R. B. Cottrell. 2,434,838, Jan. 20.
Truck, Car end straightener adjusting. P. G. Stultz. 2,443,931, June 22.
Truck, Elevating. R. Hastings, Jr. 2,437,953, Mar. 16.
Truck, Extensible band. F. Higgins. 2,439,851, Apr. 20.
Truck for car end straighteners, Adjusting and operating. J. D. Prilliman. 2,443,930, June 22.
Truck for handling electric refrigerators and the like. J. B. Robins. 2,450,690, Oct. 5.
Truck for hay or other materials, Drying. F. W. Moffett, Jr. 2,443,865, June 22.
Truck, Friction damped railway. G. F. Couch. 2,435,385, Feb. 3.
Truck, Hand. A. Nielsen. 2,452,258, Oct. 26.
Truck, Hand lift. G. Quayle. 2,439,781, Apr. 13.
Truck hitch, Adjustable. E. F. Andrews. 2,456,359, Dec. 14.
Truck hoist car. G. Weggum. 2,443,546, June 15.
Truck, House-moving. S. P. Griffin. 2,434,999, Jan. 27.
Truck, Industrial. P. R. Guerin. 2,457,366, Dec. 28.
Truck, Industrial. A. W. Gunning. 2,451,943, Oct. 19.
Truck, Lateral shifting caster. R. A. Shields. 2,457,783, Dec. 28.
Truck, Lift. E. P. Repke. 2,456,320, Dec. 14.
Truck, Loom battery filling. E. J. Eaddy. 2,448,300, Aug. 31.
Truck, Milk can. K. E. Moksnes. 2,453,246, Nov. 9.
Truck, Mixing and self-unloading farm. J. A. Schulte. 2,438,301, Mar. 23.
Truck, Motorized lift. T. B. Funk. 2,448,176, Aug. 31.
Truck, Railway. K. Henriksen. 2,433,902, Jan. 6.
Truck, Railway. H. M. Pfleger. 2,434,287, Jan. 13.
Truck, Railway car. E. B. Schrock. 2,457,182, Dec. 28.
Truck reflector. C. D. Ryder. 2,452,528, Oct. 26.
Truck, Ride control. C. J. Clasen. 2,435,384, Feb. 3.
Truck, Ride control. C. E. Grigsby. 2,444,009, June 22.
Truck, Ride control. L. A. Lehrman. 2,444,011, June 22.
Truck, Ride control. E. J. Maatman and C. J. W. Clasen. 2,434,858, Jan. 20.
Truck, Self-loading. M. Graves and A. Lankovski. 2,457,039, Dec. 21.
Truck, Snubbed. L. A. Lehrman. 2,449,305, Sept. 14.
Truck, Snubbed. R. C. Pierce. 2,437,359, Mar. 9.
Truck, Snubbed quick wheel change. R. C. Pierce. 2,434,583, Jan. 13.
Truck, Tire. W. A. Settle. 2,447,435, Aug. 17.
Truck, Vertically adjustable barrel. J. B. Robins. 2,493,581, Apr. 13.
True-motion connecting rod. V. Moore. 2,442,875, June 8.
True surfaces, Preparing. S. C. Peckett. 2,450,157, Sept. 28.
Truing mechanism for grinding wheels. J. F. Klukan. 2,451,395, Oct. 12.
Trunk and the like, Wheeled. R. Keil. 2,439,660, Apr. 13.
Trunks, Man's. L. B. Guithues. 2,446,326, Aug. 3.
Trunnion mounting for bulldozers and the like, Adjustable. G. E. Miller. 2,451,348, Oct. 12.
Truss. B. F. Pease. 2,443,800, June 22.
Truss. W. C. Pfahl. 2,454,833, Nov. 30.
Truss. E. E. Prance. 2,435,406, Feb. 3.
Truss, Hernial. G. Ajdukovich. 2,434,088, Jan. 6.
Truss pad. W. C. White. 2,442,793, June 8.
Truss side frame. G. D. Fish. 2,443,980, June 22.
Tryptophone, Purification of. E. C. Britton and J. E. Livak. 2,435,125, Jan. 27.
Tub attachment for washing machines, Auxiliary. H. F. Husted. 2,439,469, Apr. 13.
Tube: See—
Annular electronic tube.
Cathode-ray projector tube.
Cathode-ray storage tube.
Cathode-ray tube.
Color television tube.
Colostomy tube.
Current converting tube.
Differentiating discharge tube.
Discharge tube.
Electric discharge tube.
Electric gas discharge tube.
Electrical discharge tube.
Electrometer vacuum tube.
Electron control tube.
Electron discharge tube.
Electron off and on relay tube.
Electron tube.
Electronic tube.
External anode power amplifier and oscillator tube.
Finned tube.
Flame-heater cathode tube.
Gas filled tube.
Grid controlled rectifier tube.
High density beam tube.
High-power microwave discharge tube.
High-power oscillator tube.
High-pressure modulator tube.
High-voltage rectifying tube.
Image analyzing tube.
Ion-discharge tube.
Lined igniter-charge tube.
Microwave vacuum tube.
Milk delivery tube.
Mixing tube.
Movable electrode tube.
Nonmetallic paste or similar tube.
Parallel cathode ray tube.
Photoelectric tube.
Power tube.
Projection cathode-ray tube.
Push-pull amplifier tube.
Secondary electron emission tube.
Sedimentation tube.
Siphoning air lift tube.
Stuffing tube.
Symmetrical space charge tube.
Teat draining tube.
Television image tube.
Television projection tube.
Television transmitting tube.
Transmitting tube.
Twin-cooled radio tube.
Ultra high frequency electronic tube.
Ultra high frequency tube.
Vacuum tube.
Velocity modulation electron discharge tube.
Very high frequency electronic discharge tube.

Tube and circuit therefor, Cathode beam. R. L. Snyder, Jr. 2,454,410, Nov. 23.

Tube and conduit bending hand tool. B. Lampert. 2,456,880, Dec. 21.

Tube and control therefor, Electronic. P. H. Craig. 2,435,202, Feb. 3.

- Tube and making the same, Electron. H. Eaves and P. D. Williams. 2,457,651, Dec. 28.
- Tube and method, Protected. S. A. Eller. 2,462,557, Nov. 2.
- Tube and mounting therefor, Vacuum. W. T. Gibson. 2,454,791, Nov. 30.
- Tube apparatus and method of operation, Cathode-ray storage. P. K. Weimer, V. K. Zworykin, and I. Wolff. 2,451,005, Oct. 12.
- Tube apparatus, Cathode-ray. S. V. Fargue. 2,454,378, Nov. 23.
- Tube assembly, Exhaust. G. N. Phelps. 2,441,841, May 18.
- Tube bender. J. E. Conzelman, Jr. 2,450,580, Oct. 5.
- Tube bender with side angle indicator, Reversible. T. V. Pearson and M. Lahood. 2,436,776, Feb. 24.
- Tube calibration, Cathode ray. J. Weingarten. 2,449,093, Sept. 14.
- Tube capping machine. W. E. Gerbing. 2,455,860, Dec. 7.
- Tube circuits, Thermionic. R. L. Snyder, Jr. 2,456,029, Dec. 14.
- Tube clamp. T. A. Woolsey. 2,457,077, Dec. 21.
- Tube cleaner having adjustable table tube-engaging means, Self-propelled. D. E. Schott and G. R. Bartle. 2,455,273, Nov. 30.
- Tube coupling. H. Weyenberg and C. Quist. 2,445,702, July 20.
- Tube coupling. G. V. Woodling. 2,452,277, Oct. 26.
- Tube cutter. E. E. Condon. 2,448,578, Sept. 7.
- Tube ends, Brazing. K. F. Finlay. 2,443,577, June 15.
- Tube expander. N. Brackett. 2,448,512, Sept. 7.
- Tube fitting coupling. G. V. Woodling. 2,452,275, Oct. 26.
- Tube fitting device. G. V. Woodling. 2,452,276, Oct. 26.
- Tube flattening means. J. G. Rosales. 2,443,432, June 15.
- Tube for color televisions, Pickup. A. C. Schroeder. 2,446,249, Aug. 3.
- Tube for high-frequency, Electron. G. T. Howes. 2,451,557, Oct. 19.
- Tube for orthodontia, Buccal. A. B. Brusse. 2,455,916, Dec. 14.
- Tube for refrigerator systems, Restrictor. D. F. Newman. 2,434,118, Jan. 6.
- Tube for ultra high frequencies, Electron beam. S. G. Tomlin. 2,444,073, June 29.
- Tube for ultra high frequencies, Electronic. D. H. Sloan. 2,451,987, Oct. 19.
- Tube forming apparatus. S. R. Geist, Sr., and N. R. Davis. 2,438,498, Mar. 30.
- Tube forming device. H. L. Johnson. 2,454,282, Nov. 23.
- Tube forming die. A. N. De Wilde and W. W. Mansfield. 2,443,416, June 15.
- Tube-forming machine. E. R. Phillips. 2,453,537, Nov. 9.
- Tube gauge. C. H. Woodcock. 2,451,600, Oct. 19.
- Tube holder. A. B. Benziger. 2,449,197, Sept. 14.
- Tube holding device. C. E. Hollyday, Jr. 2,453,319, Nov. 9.
- Tube-ice machine using compressor to reverse pressure. B. F. Kubaugh. 2,444,514, July 6.
- Tube insulation, Radio. A. Binneweg, Jr. 2,440,889, May 4.
- Tube lock. W. D. Launder. 2,455,069, Nov. 30.
- Tube manufacture, Corrugated. W. G. Harding. 2,446,281, Aug. 3.
- Tube motor device, Electronic. M. Morrison. 2,456,441, Dec. 14.
- Tube of flexible composite sheet material and the manufacture thereof. W. Langer. 2,440,339, Apr. 27.
- Tube or ball mill with cooled trunnion. R. C. Newhouse. 2,456,073, Dec. 14.
- Tube perforating machine. H. F. Temple. 2,453,681, Nov. 9.
- Tube reactance and modulator. H. O. Peterson. 2,443,746, June 22.
- Tube reducing mill. G. B. Coe. 2,436,098, Feb. 17.
- Tube socket, Radio. A. W. Franklin. 2,455,300, Nov. 30.
- Tube structure, High-frequency. W. W. Hansen and J. R. Woodyard. 2,450,893, Oct. 12.
- Tube structure, High-frequency. R. H. Varian. 2,445,811, July 27.
- Tube structure, Thermionic. N. B. Krim. 2,452,061, Oct. 26.
- Tube tester, Electronic. R. D. Hickok. 2,440,607, Apr. 27.
- Tube tester, Electronic power. A. S. Oravetz. 2,440,287, Apr. 27.
- Tube tester, Inner. A. and C. Kubin, and A. Brondos, Jr. 2,446,050, July 27.
- Tube with electron lenses, Cathode-ray deflection. R. Rüdtenberg. 2,454,345, Nov. 23.
- Tube with sealing plug and decorative flow nozzle, Collapsible. P. G. Sprague. 2,441,649, May 18.
- Tubes and making same, Resilient tantalum. P. A. Weiss. 2,451,703, Oct. 19.
- Tubes and the like, Soldering bourdon. N. Levin. 2,455,309, Nov. 30.
- Tubes having space charge grid, Ageing. C. F. Stromeyer. 2,435,475, Feb. 3.
- Tubes, Method and apparatus for forming wood veneer plywood. J. J. Snoko. 2,457,504, Dec. 28.
- Tubes, Method of and apparatus for making flat metal. L. G. Giesmann. 2,442,850, June 8.
- Tubes, Operating gaseous thermionic. M. Morrison. 2,441,325, May 11.
- Tubes, Producing radiator. M. G. Boerger. 2,454,624, Nov. 23.
- Tubes to produce tubular fibrous containers, Cutting. M. C. Ricciardi. 2,443,963, June 22.
- Tubes, Toothbrush sterilizing. E. J. Huber. 2,443,769, June 22.
- Tubing, Bias. J. Katz and F. P. Majoros. 2,445,883, July 27.
- Tubing connections. D. J. Whittingham. 2,453,391, Nov. 9.
- Tubing for transportation, Preparing. I. D. Thornburgh. 2,453,165, Nov. 9.
- Tubing, Manufacture of capillary. J. C. Osborn. 2,434,008, Jan. 6.
- Tubing or bellows, Shielded. D. W. Fentress. 2,444,008, June 22.
- Tubing tool joint. R. M. Claypool and D. M. Best. 2,454,137, Nov. 16.
- Tubing, Well. C. W. Sproull. 2,445,249, July 13.
- Tubocurare purification. F. A. Steldt. 2,453,873, Nov. 16.
- Tubular bandages, Applying. E. G. Hendrickson and F. La Cour. 2,456,507, Dec. 14.
- Tubular container bodies with solderless six-layer side seams, Making. W. McK. Martin. 2,455,938, Dec. 14.
- Tubular coverings, Making. P. F. McDermott and H. E. Holcomb. 2,445,624, July 20.
- Tubular coverings, Method of and apparatus for making. P. F. McDermott. 2,445,231, July 13.
- Tubular electrode assembly support for vacuum tubes. S. J. Powers. 2,438,519, Mar. 30.
- Tubular frame structures, Manufacturing. H. L. Kraeft and L. J. Walters. 2,435,448, Feb. 3.
- Tubular hot-air heater. H. J. D. McCollum. 2,443,920, June 22.
- Tubular lamp holder. G. S. Merrill. 2,447,353, Aug. 17.
- Tubular lamp mounting. C. E. Dansereau. 2,436,250, Feb. 17.
- Tubular members by progressive helical welding, Making. H. P. Van Keuren. 2,433,966, Jan. 6.
- Tubular package forming and filling method and apparatus. J. J. Barnett. 2,438,198, Mar. 23.
- Tubular structures, Forming. A. J. Paucek. 2,449,247, Sept. 14.
- Tubulating machine. C. Eisler. 2,447,569, Aug. 24.
- Tuck end support. C. F. Randolph. 2,445,308, July 13.
- Tufting machine. W. Hofmann. 2,449,529, Sept. 14.
- Tumbler. J. P. Jorgenson. 2,454,392, Nov. 23.
- Tumbler. B. H. Polcyn. 2,456,989, Dec. 21.
- Tumbler, Spinach. G. D. Gardner. 2,440,008, Apr. 20.
- Tumbling barrel finishing and material and production thereof. C. H. Castle. 2,439,156, Apr. 6.
- Tumbling machine. C. Hirsch. 2,447,802, Aug. 24.
- Tumbling mill. A. D. Evans. 2,440,819, May 4.
- Tunable inductance. R. J. Cary, Jr. 2,448,296, Aug. 31.
- Tuner. F. Wilburn. 2,448,642, Sept. 7.
- Tuner for cavity resonators. E. Rostas. 2,444,066, June 29.
- Tuner for ultra high frequencies. A. Landmann. 2,438,784, Mar. 30.
- Tuner for ultra high frequency transmitters, Multirange. J. M. Dodds and J. H. Ludlow. 2,438,474-5, Mar. 23.
- Tuner, High-frequency. W. S. Percival. 2,442,615, June 1.
- Tuner, Motor-operated push button. W. E. Newman. 2,453,251, Nov. 9.
- Tuner, Radio receiver sequence. A. Blain. 2,453,187, Nov. 9.
- Tuner, Variable inductance. S. Y. White. 2,451,643, Oct. 19.
- Tuner, Variable inductive. C. J. H. Victoreen. 2,439,403, Apr. 13.
- Tuning aid, Frequency modulation receiver. B. S. Villomerson. 2,457,016, Dec. 21.
- Tuning arrangement. C. G. Fick. 2,440,081, Apr. 20.
- Tuning arrangement for cavity resonators. J. C. Slater. 2,445,282, July 13.
- Tuning arrangement for concentric transmission line resonators. A. M. Gurewitsch. 2,435,442, Feb. 3.
- Tuning circuit for radio transmitters. J. M. Dodds and J. H. Ludlow. 2,438,477, Mar. 23.
- Tuning coil, Broad band variable. S. I. Weiss. 2,453,477, Nov. 9.
- Tuning control, Step-by-step automatic. G. L. Sansbury. 2,449,178, Sept. 14.
- Tuning controls for radio apparatus and the like, Automatic. R. W. May. 2,444,840, July 6.
- Tuning device ratchet. R. W. May. 2,449,079, Sept. 14.
- Tuning device, Resonant cavity. H. E. Tompkins. 2,442,671, June 1.
- Tuning electron discharge devices. W. W. Rigrod. 2,439,908, Apr. 20.
- Tuning indicator for indicating resonance of an electric circuit. G. Rathenau, A. A. Kruthof, and J. A. Hartveld. 2,449,412, Sept. 14.
- Tuning indicator system. H. L. Blaisdell. 2,447,309, Aug. 17.
- Tuning of stringed instruments, Varying the. D. J. Ferrier. 2,453,572, Nov. 9.
- Tuning radio frequency generators, Multirange. J. M. Dodds and J. H. Ludlow. 2,438,476, Mar. 23.
- Tuning unit, Ultra high frequency. W. C. Freeman, Jr. 2,450,192, Sept. 28.
- Tuning unit, Ultra high frequency. N. T. Simopoulos. 2,448,554, Sept. 7.

- Tunnel balance, Wind. H. M. Heuver. 2,448,528, Sept. 7.
 Tunnel, Defrosting. W. L. Gibboney. 2,435,538, Feb. 3.
 Tunneling and like subterranean operations. Z. S. Beilj. 2,442,113, May 25.
 Turbine. J. Dematteis. 2,449,931, Sept. 21.
 Turbine. W. J. Pugh. 2,447,276, Aug. 17.
 Turbine, Air-cooled gas. T. M. McKenzie, Jr. 2,445,837, July 27.
 Turbine apparatus. E. E. Arnold. 2,447,482, Aug. 24.
 Turbine apparatus. J. F. Chalupa. 2,441,135, May 11.
 Turbine apparatus. S. S. King, Jr. 2,457,157, Dec. 28.
 Turbine apparatus. R. P. Kroon. 2,434,935, Jan. 27.
 Turbine arrangement for cooling idle turbines, Reversible. G. Hoffmann. 2,434,160, Jan. 6.
 Turbine bearing. R. Birmann. 2,440,890, May 4.
 Turbine bearing construction. R. S. Buck and W. A. Ledwith. 2,439,447, Apr. 13.
 Turbine blading. R. C. Allen. 2,454,115, Nov. 16.
 Turbine blower. B. W. Curry. 2,450,186, Sept. 28.
 Turbine, Combustion gas. C. F. Rocheville. 2,439,695, Apr. 13.
 Turbine construction. J. L. Ray. 2,442,019, May 25.
 Turbine construction. C. R. Soderberg and J. A. Clark. 2,453,547, Nov. 9.
 Turbine control, Gas. A. W. Orr, Jr. 2,457,595, Dec. 28.
 Turbine cooling. R. S. Buck and A. Kalitinsky. 2,434,901, Jan. 27.
 Turbine cylinder joint. K. R. Stearns. 2,457,073, Dec. 21.
 Turbine engine. E. F. Osborne. 2,446,847, Aug. 10.
 Turbine, Fluid pressure. A. B. Broluska. 2,454,428, Nov. 23.
 Turbine for gas blast propelled craft, Gas blast actuated auxiliary. R. H. Goddard. 2,450,950, Oct. 12.
 Turbine, Gas. C. H. Auger. 2,442,579, June 1.
 Turbine, Gas. M. Lutjen. 2,444,742, July 6.
 Turbine, High-temperature. W. C. Clarke, Jr. 2,447,896, Aug. 24.
 Turbine, High-temperature elastic fluid. D. J. Bloomberg. 2,440,069, Apr. 20.
 Turbine mounting. J. L. Ray. 2,443,747, June 22.
 Turbine plant, Compound internal-combustion. F. A. M. Heppner. 2,435,138, Jan. 27.
 Turbine pressure unit, Inverted. R. R. Younger. 2,444,000, June 22.
 Turbine pump. C. D. Bower. 2,455,552, Dec. 7.
 Turbine, Rotary. H. B. Weeks. 2,444,213, June 29.
 Turbine rotor and its manufacture. R. Strub. 2,450,493, Oct. 5.
 Turbine rotor cooling arrangement, High and low pressure. G. B. Warren and A. R. Smith. 2,451,261, Oct. 12.
 Turbine seal. I. M. White and H. E. Nelson. 2,453,055, Nov. 2.
 Turbine system utilizing hot driving gases. J. S. Haverstick. 2,438,635, Mar. 30.
 Turbine wheel. D. P. Eastman. 2,435,427, Feb. 3.
 Turbine wheel. P. H. Stevenson. 2,457,327, Dec. 28.
 Turbines, compressors and the like, Axial flow. H. Constant and W. Merchant. 2,445,661, July 20.
 Turbodrives, Double rotation. D. J. Bloomberg. 2,438,357, Mar. 23.
 Turbogenerator. G. J. Lehmann. 2,452,581, Nov. 2.
 Turbo-jet engine for aircraft propulsion. A. G. Silvester. 2,439,273, Apr. 6.
 Turn shoe and manufacture. A. Vigorith. 2,446,357, Aug. 3.
 Turn signal control for vehicles. G. F. McDougall. 2,446,337, Aug. 3.
 Turntable structure. W. N. Morris. 2,441,436, May 11.
 Turner, Mattress. M. J. Mandelbaum. 2,445,030, July 13.
 Turner, Stocking. C. Ludington. 2,447,192, Aug. 17.
 Turpentine, Purification of. M. P. Kleinholz. 2,453,712, Nov. 16.
 Turret, Armed. E. E. Chase, E. S. Nokes, F. E. Stratton, and W. V. Goodhue. 2,450,541, Oct. 5.
 Turret attachment for drill presses. A. Hotchkiss, Jr., and H. E. Haynes. 2,435,354, Feb. 3.
 Turret for aircraft, Gun. E. C. M. d'Assis-Fonseca. 2,448,704, Sept. 7.
 Turret for aircraft, Gunner's. J. G. Villepigue. 2,439,878, Apr. 20.
 Turret, Gun. I. Chase and B. Darsie. 2,444,246, June 29.
 Turret, Gun. H. D. Huey and G. F. Towner. 2,445,852, July 27.
 Turret traversing mechanism. V. E. Matulaitis and T. Iavelli. 2,437,646, Mar. 9.
 Turret tuner, Sequential. J. O. Elsea. 2,452,443, Oct. 26.
 Tuyère. M. De Lin. 2,444,223, June 29.
 Tuyère. W. A. Riddell. 2,440,382, Apr. 27.
 Tuyère, Blast furnace. J. H. Sprow. 2,454,892, Nov. 30.
 Twin-cooled radio tube. A. Binneweg, Jr. 2,445,259, June 13.
 Twinemaking machine. H. Flater. 2,453,789, Nov. 16.
 Twine making machine. H. Flater, E. T. Waernhoff, and N. G. Franson. 2,450,947, Oct. 12.
 Twister head, Replaceable porcelain. L. H. Crane. 2,436,632, Feb. 24.
 Twister, Wire. B. M. Mitchell. 2,440,058, Apr. 20.
 Twisting machine. R. J. Bartholomew. 2,445,721, July 20.
 2-acylamino-1,3-butadienes. J. B. Dickey. 2,446,172, Aug. 3.
 2-alkylidene-3-keto-4-acylamido-tetrahydrothiophene. S. A. Harris and K. Folkers. 2,452,653, Nov. 2.
 2-(alpha-naphthyl-methyl)-imidazoline, Producing. S. Carlsson. 2,441,867, May 18.
 2-amino-5-methyl pyridine and making it. F. E. Cislak and A. L. Kranzfelder. 2,456,379, Dec. 14.
 2-amino-4-hydroxy-6-methyl-pyrimido 4,5-b pyrazine, Preparing. J. H. Boothe. 2,457,109, Dec. 28.
 2-amino-4-methyl pyrimidine, Preparation of. C. Prevost. 2,440,908, Sept. 21.
 2-amino-methyl-indenes and their production. K. Hoffmann, H. Schellenberg, and K. Miescher. 2,441,069, May 4.
 2-amino-2-alkyl-N,N'-diaryl-1,3 propane diamines and making. H. G. Johnson. 2,452,535, Nov. 2.
 2-anthrahydroquinonecarboxylic acid, Manufacture of. A. J. Sweet. 2,445,699, July 20.
 2-butoxyethyl fluoroacetate. I. Hechenbleikner. 2,456,586, Dec. 14.
 2-Carbalkoxy-3-keto-tetrahydrothiophene process. A. W. D. Avison, F. Bergel, and J. W. Haworth. 2,438,808, Mar. 30.
 2-Carbalkoxy-3-keto-tetrahydrothiophene product and process. P. Karrer. 2,438,807, Mar. 30.
 2-carboxy-halogeno-1,4-thiachromanone. E. W. Bousquet. 2,434,100, Jan. 6.
 2-chloroethylcyclopropyl ether and preparing it. R. M. Vance and A. G. Horney. 2,437,368, Mar. 9.
 2-chloroindone. N. V. Seeger. 2,456,452, Dec. 14.
 2-chloro-3-iminobutyronitrile and process. J. L. Mostek. 2,434,507, Jan. 13.
 Two-cycle crankcase compression engine. J. W. Smith. 2,443,838, June 22.
 Two-cycle engine, combined pump and motor cylinder. C. B. Sues. 2,447,041, Aug. 17.
 2-Ethyl-hexyl, N-octadecyl tetrachlorophthalimide and insecticidal compositions containing the same. M. L. Hill and H. G. Smith. 2,454,061, Nov. 16.
 2-Fluoro-1,3-diene polymers. W. E. Mochel. 2,446,382, Aug. 3.
 2,4-diamino 1:3:5-triazines, Manufacture of. A. Grün. 2,437,691, Mar. 16.
 2,4-di-tertiary-butyl-5-methoxy benzaldehyde. M. S. Carpenter and W. M. Easter, Jr. 2,450,879, Oct. 12.
 2-hydroxymethyl-1,4-dioxane, Making. M. S. Kharasch. 2,434,414, Jan. 13.
 2-mercapto thiazines and preparing same. J. E. Jansen. 2,440,095, Apr. 20.
 2-Methyl-3-hydroxy-4-hydroxymethyl pyridine and its acid salts. G. J. Martin and S. Avakian. 2,455,259, Nov. 30.
 2-Monosubstituted pyrimidines, Production of. G. W. Hearne, T. W. Evans, and H. L. Yale. 2,455,172, Nov. 30.
 2-oxazolidone compounds and preparing the same. A. H. Homeyer. 2,437,388, Mar. 9.
 2-oxazolidone compounds and preparing the same. A. H. Homeyer. 2,437,390, Mar. 9.
 Two-part clothespin with pivot joint. R. K. Grewe. 2,456,409, Dec. 14.
 Two-part, screw-connected clamp. B. Volkery and J. Koslowski. 2,452,406, Oct. 26.
 2-phenylindene derivatives and manufacture of same. U. V. Solmssen. 2,447,099, Aug. 17.
 Two-piece hose coupling. A. L. Parker and J. N. Wolfram. 2,441,718, May 18.
 Two-position pitch-changing mechanism. H. H. Roby. 2,457,731, Dec. 28.
 Two speed drive for phonograph turntables. C. E. Ewing. 2,438,266, Mar. 23.
 Two-speed phonograph turntable drive. R. G. Metzner. 2,438,265, Mar. 23.
 Two-speed single-phase motor. T. E. M. Carville. 2,454,136, Nov. 16.
 Two-stage pump. A. G. Sheppard. 2,440,560, Apr. 27.
 2-Substituted-3,4-diamino-furan urethanes and derivatives thereof. K. Hofmann. 2,453,627, Nov. 9.
 2-sulfanilamidopyrazine, Preparing. E. H. Northey and J. S. Webb. 2,444,012, June 22.
 Two-temperature refrigeration system. E. T. Morton. 2,446,946, Aug. 10.
 2-thenyl chloride, Stabilization of. F. B. Zienty. 2,457,079-81, Dec. 21.
 2,3-Dicyano-3-buten-2-yl esters. E. J. Prill. 2,446,167, Aug. 3.
 2,3-epoxy-1,2,3,4-tetrahydronaphthalenedione-1,4 as parasiticide preparations. E. C. Ladd. 2,435,500, Feb. 3.
 2,2-bis(p-chlorophenyl) 1,1,1-trichloroethane, Preparation of. A. C. Smith and J. L. Stauby. 2,455,388, Dec. 7.
 2-(2'-thenyl)-4,5-dihydroimidazoles and making the same. L. P. Kyrides. 2,457,047, Dec. 21.
 2-[vinyl-dicarboxylic acid ester]-3-amino-1,2,4-triazoles as stabilizers for photographic silver-halide emulsions. N. Heimbach and W. Kelly, Jr. 2,449,226, Sept. 14.
 Two-way cattle and hog feeder. T. P. Keithley and L. O. Chandler. 2,439,007, Apr. 6.
 Two-way plow. H. G. Ferguson. 2,437,879, Mar. 16.
 Tying machine. B. H. Bunn. 2,451,197, Oct. 12.
 Type for gravure printing. H. C. Alger. 2,456,608, Dec. 21.
 Type holder with combined cover and platen, Printing. S. R. Bogin, I. Rothstein, and A. Levy. 2,443,783, June 22.
 Type locking means for marking mechanism. S. S. Jacobs and H. B. Peterson. 2,447,015, Aug. 17.

- Type locking means for marking mechanism. S. H. Rosenlof. 2,447,030, Aug. 17.
- Typewriter carriage retractor device. S. R. Dague. 2,455,563, Dec. 7.
- Typewriter page end indicator. E. A. Randolph. 2,448,050, Aug. 31.
- Typewriter with constantly rotating type wheel, Electrically operated. M. Ruderfer. 2,446,851, Aug. 10.
- Typewriting and computing machine, Combined. H. L. Pitman. 2,436,055, Feb. 17.
- Ultra-audible sound reception. H. C. Hayes. 2,447,333, Aug. 17.
- Ultra high frequency conductor. E. C. Okress. 2,434,509, Jan. 13.
- Ultra high frequency device. W. L. Barrow and W. W. Mieher. 2,454,761, Nov. 30.
- Ultra high frequency device. C. M. Slack, I. E. Mouromtseff, and G. M. Dinnick. 2,456,896, Dec. 21.
- Ultra high frequency electric discharge device. A. M. Gurewitsch. 2,446,825, Aug. 10.
- Ultra high frequency electric discharge device. W. J. Scott and C. J. Milner. 2,437,130, Mar. 2.
- Ultra-high frequency electric discharge device and cavity resonator apparatus therefor. E. D. McArthur and J. E. Beggs. 2,446,017, July 27.
- Ultra high frequency electronic tube. H. J. McCarthy. 2,444,303, June 29.
- Ultra high frequency electronic tube. H. J. McCarthy. 2,454,741, Nov. 23.
- Ultra high frequency electronic tube. H. J. McCarthy. 2,456,563, Dec. 14.
- Ultra high frequency magnetron generator. R. J. Bondley. 2,450,629, Oct. 5.
- Ultra high frequency oscillator. A. M. Gurewitsch. 2,443,908, June 22.
- Ultra high frequency oscillator. J. A. Morton. 2,436,397-8, Feb. 24.
- Ultra high frequency resonator device. E. D. McArthur. 2,434,116, Jan. 6.
- Ultra high frequency resonator system, Tunable. B. A. Bels. 2,446,405, Aug. 3.
- Ultra high frequency switching device. H. J. McCarthy. 2,438,873, Mar. 30.
- Ultra high frequency system. C. W. Earp and C. E. Strong. 2,457,137, Dec. 28.
- Ultra high frequency tube. R. S. Briggs. 2,455,218, Nov. 30.
- Ultra high frequency tube. H. J. McCarthy. 2,455,310, Nov. 30.
- Ultra high frequency tube. N. Rochester. 2,457,495, Dec. 28.
- Ultramarine, Manufacture of. A. P. Beardsley and S. H. Whiting. 2,441,950-2, May 25.
- Ultramarine, Production of primary. W. J. Kruppa, A. P. Beardsley, and S. H. Whiting. 2,442,173, May 25.
- Ultraviolet emitting magnesium pyrophosphate phosphor. H. C. Froelich. 2,455,415, Dec. 7.
- Ultraviolet ray generator. C. E. Atkins. 2,439,787, Apr. 20.
- Ultraviolet ray generator. L. C. Porter and H. C. Froelich. 2,445,692, July 20.
- Umbrella. O. J. Alvarez. 2,455,288, Nov. 30.
- Umbrella. S. J. Heaney. 2,454,059, Nov. 16.
- Umbrella. A. F. Pfeil. 2,439,752, Apr. 13.
- Umbrella. H. Simonian. 2,443,836, June 22.
- Umbrella, Body attached. U. Thornton. 2,434,526, Jan. 13.
- Umbrella, Collapsible. W. L. Mappin. 2,443,772, June 22.
- Umbrella rib clip and pocket. R. A. Russell. 2,453,270, Nov. 9.
- Umbrella rib tip. R. H. Morton. 2,436,321, Feb. 17.
- Umbrella, Tilttable. W. Daniel. 2,441,689, May 18.
- Umbrella tip and mounting holder therefor. I. Hollander. 2,436,474, Feb. 24.
- Umbrella, Tractor. D. H. Morgan. 2,442,931, June 8.
- Uncapper, Honeycomb. D. S. Crane. 2,448,775, Sept. 7.
- Uncoupling mechanism. W. J. Metzger. 2,449,665, Sept. 21.
- Undercarriage for aircraft, Retractable. C. H. Flurscheim and W. G. C. Vance. 2,446,415, Aug. 3.
- Undergarment. E. J. Ashe and O. E. Webber. 2,438,310, Mar. 23.
- Undergarment. F. A. Cohen. 2,453,063, Nov. 2.
- Undergarment. F. N. Mason. 2,452,479, Oct. 26.
- Undergarment. W. P. Morris. 2,457,260, Dec. 28.
- Undergarment. H. V. Oldham. 2,455,604, Dec. 7.
- Undergarment. I. Pierce. 2,439,097, Apr. 6.
- Undergarment. J. Schwartz. 2,450,168, Sept. 28.
- Undergarment. F. M. Smith. 2,441,451, May 11.
- Undergarment. M. Speicher. 2,451,697, Oct. 19.
- Undergarment, Combination. E. G. Neuhoof and B. F. Davenport. 2,449,857, Sept. 21.
- Undergarment construction. I. Combs. 2,454,963, Nov. 30.
- Undergarment for ladies or children. E. Donaldson and J. Gibney. 2,437,511, Mar. 9.
- Undergarment, Lady's. R. M. G. Albion. 2,440,922, May 4.
- Undergarment, Lady's. M. K. Janin. 2,453,372, Nov. 9.
- Undergarment, Man's. R. Wise. 2,435,377, Feb. 3.
- Underreamer. R. C. Baker. 2,457,628, Dec. 28.
- Undershirt, Child's. O. L. Long. 2,433,915, Jan. 6.
- Underwater battery vent plug. H. D. Wilson. 2,436,465, Feb. 24.
- Unhairing machine. J. T. Kagel, Sr. 2,453,229, Nov. 9.
- Uniform cap. B. Lev. 2,450,284, Sept. 28.
- Uniform cap. H. Lev. 2,455,686, Dec. 7.
- Union, Variable. G. K. and A. A. Larson. 2,447,947, Aug. 24.
- Unit for aircraft landing system, Arresting. T. M. Boyer and C. R. Gottschall. 2,448,209, Aug. 31.
- Unit for variable pitch propellers, Self-contained. A. G. Forsyth. 2,437,189, Mar. 2.
- Unit handled double row roller bearing. A. L. Bergstrom. 2,447,928, Aug. 24.
- Unit handled double row roller bearing. A. L. Bergstrom and H. D. Stover. 2,447,838, Aug. 24.
- Unit strips, Making. A. L. Hess and H. G. Denyven. 2,436,888, Mar. 2.
- Unit, Thermally responsive. F. R. Higley. 2,455,306, Nov. 30.
- Unitary andiron locking fuel holder. F. H. Waggoner. 2,446,894, Aug. 10.
- Units for automatic pilots, Servo. P. Halpert. 2,450,427, Oct. 5.
- Universal all wire bracket. R. R. Rundell. 2,456,535, Dec. 14.
- Universal bumper clamp. O. H. Dunlap. 2,446,218, Aug. 3.
- Universal bus-bar support. C. P. West. 2,445,463, July 20.
- Universal coupling. A. Machmann. 2,439,479, Apr. 13.
- Universal hubcap for automobiles. J. C. Arrison. 2,443,760, June 22.
- Universal indicator support. L. T. Knutson. 2,456,003, Dec. 14.
- Universal joint. A. Y. Dodge. 2,441,347, May 11.
- Universal joint. F. C. Good. 2,433,948, Jan. 6.
- Universal joint. C. E. Hathorn. 2,439,569, Apr. 13.
- Universal joint. E. A. Starbuck. 2,453,279, Nov. 9.
- Universal joint. A. A. Warner. 2,447,881-2, Aug. 24.
- Universal joint. E. W. Weaver. 2,451,791, Oct. 19.
- Universal joint coupling. H. G. Whitehouse. 2,439,231, Apr. 6.
- Universal pipe coupling. J. G. Sjoborg. 2,456,744, Dec. 21.
- Universal ray or beam reflecting device. R. A. Bossi. 2,450,417, Oct. 5.
- Universal speed wrench. N. Mikelson. 2,455,434, Dec. 7.
- Universally adjustable support. R. Popp and M. C. Carlson. 2,440,873, May 4.
- Unloading circuit. D. W. McCrosky. 2,445,836, July 27.
- Unloading device for mobile tractors. R. L. Woodward, Jr. 2,448,944, Sept. 7.
- Unpickable lock. F. E. Best. 2,440,433, Apr. 27.
- Unsaturated alcohols, Preparing. G. H. Morey. 2,454,936, Nov. 30.
- Unsaturated chloronitriles, Preparation of. O. W. Cass. 2,443,494, June 15.
- Unshift mechanism, Manual. W. M. O'Neil. 2,456,729, Dec. 21.
- Unshorting switch. R. B. Brode. 2,438,383, Mar. 23.
- Unwinding device. J. Cook. 2,451,662, Oct. 19.
- Upholsterer's application tool. E. J. Stauffer. 2,453,872, Nov. 16.
- Upholstery spring structure. D. H. Van Hove. 2,446,500, Aug. 3.
- Upper fifth wheel king pin lock. F. H. Grinnell and C. A. Sears. 2,440,744, May 4.
- Upper pivot for ventilator panels. G. M. Lane and H. G. Thunder. 2,445,955, July 27.
- Uppers of shoes, Stiffening the. M. G. Hill and C. A. Cooper. 2,447,578, Aug. 24.
- Upset forging apparatus. A. R. Nettenstrom. 2,442,142, May 25.
- Uranium deuteride, Preparing. A. S. Newton. 2,452,139, Oct. 26.
- Uranium hydride, Preparing. A. S. Newton. 2,446,780, Aug. 10.
- Uranium monocarbide and preparation. H. A. Wilhelm and A. H. Daane. 2,448,479, Aug. 31.
- Uranium, radium, and vanadium from their ores, Extracting. R. D. Nye and D. J. Demorest. 2,442,429, June 1.
- Urea-aldehyde resin dispersions, Making. L. S. Engle, E. Sheridan, and E. K. Fischer. 2,454,785, Nov. 30.
- Urea-formaldehyde-alkyd insulating composition. C. B. Leape and F. A. Sattler. 2,454,187, Nov. 16.
- Urea-formaldehyde composition. D. E. Cordier. 2,446,867, Aug. 10.
- Urea-formaldehyde composition. H. A. Walter. 2,456,095, Dec. 14.
- Ureyleneithiophane carboxylic acids and esters and methods of preparing same. B. R. Baker. 2,453,564, Nov. 9.
- Urinal. B. Predmore. 2,445,694, July 20.
- Urinary pad. S. L. Isaacson. 2,445,220, July 13.
- Urine sampler attachment. G. A. Muller. 2,446,160, July 27.
- Utensil. J. Davis. 2,438,546, Mar. 30.
- Utensil, Cooking. A. N. Smith. 2,444,753, July 6.
- Utensil, Culinary. F. G. Shrout. 2,444,681, July 6.
- Utensil, Culinary. W. C. P. Zabel and R. C. Helfenbein. 2,453,354, Nov. 9.
- Utensil, Food cutting. K. Schatz. 2,452,328, Oct. 26.
- Utensil, Kitchen. C. V. Chittick. 2,450,716, Oct. 5.
- Utensil, Kitchen. J. E. Krilow. 2,450,346, Sept. 28.
- Utensil, Faring. J. E. Krilow. 2,450,347, Sept. 28.
- Utensil, Self-stirring cooking. P. E. Monath. 2,456,981, Dec. 21.

- Utensil, Vegetable slitting. J. E. Krilow. 2,450,348, Sept. 28.
- Utility device for signalling waiters in hotel dining rooms, etc. R. L. Smith. 2,438,652, Mar. 30.
- Utility holder. D. S. Jones. 2,451,092, Oct. 12.
- Utility light. J. E. Forbes. 2,447,403, Aug. 17.
- Utility press. N. M. Marsilius. 2,440,054, Apr. 20.
- Utilization of ferrous sulfate solutions in the manufacture of ferric alums. C. B. Francis. 2,448,425, Aug. 31.
- Utilizing a fuel gas in refining a petroleum fraction. M. C. K. Jones. 2,440,673, May 4.
- Utilizing gas mixtures in the alkylation of aromatic hydrocarbons. J. A. Davis. 2,439,080, Apr. 6.
- V-belt drive pulley. A. F. Lusk. 2,453,580, Nov. 9.
- V-flat drive. E. K. Lofton. 2,456,518, Dec. 14.
- V-opening screen. L. H. Banning. 2,443,176, June 15.
- V-type internal-combustion engine. G. L. Balster. 2,451,271, Oct. 12.
- Vaccination device. F. S. Price. 2,447,596, Aug. 24.
- Vacuum apparatus for filling tires with water. W. W. McMahan. 2,434,366, Jan. 13.
- Vacuum apparatus for investment of patterns. J. R. Vest. 2,457,756, Dec. 28.
- Vacuum breaker. C. R. Flint. 2,453,125, Nov. 9.
- Vacuum chamber loading means. A. H. Heineman. 2,441,021, May 4.
- Vacuum cleaner. E. W. Gent. 2,454,314, Nov. 23.
- Vacuum cleaner. R. L. Hallock. 2,443,162, June 8.
- Vacuum cleaner. C. W. Lanter. 2,456,639, Dec. 21.
- Vacuum cleaner. H. J. McAllister. 2,441,365, May 11.
- Vacuum cleaner bag. A. and E. W. Beager. 2,435,490, Feb. 3.
- Vacuum cleaner bag. A. and E. W. Beager. 2,449,102, Sept. 14.
- Vacuum cleaner having a floating nozzle. H. A. Shumaker. 2,446,985, Aug. 10.
- Vacuum dehydration process including evolved vapor condensation. K. C. D. Hickman. 2,436,693, Feb. 24.
- Vacuum desiccating apparatus using the evaporator and condenser of a refrigerating device. W. L. Morrison. 2,434,003, Jan. 6.
- Vacuum distillation process and apparatus. A. C. Hobbie. 2,443,070, June 8.
- Vacuum drying. J. M. Baer. 2,457,116, Dec. 28.
- Vacuum drying apparatus using a refrigerant system for heating and cooling. V. C. Patterson. 2,453,033, Nov. 2.
- Vacuum finisher, Steam. W. C. Glover, Jr. 2,455,755, Dec. 7.
- Vacuum in photoelectric tubes, Attaining. R. L. Longini. 2,449,493, Sept. 14.
- Vacuum leaf pickup pulverizer. D. H. Lucas. 2,436,011, Feb. 17.
- Vacuum operated three-way valve. A. Rappl. 2,439,863, Apr. 20.
- Vacuum plate. H. W. Kleist. 2,436,390, Feb. 24.
- Vacuum production of magnesium, Process and apparatus for the. G. Bassereau. 2,446,403, Aug. 3.
- Vacuum pump. M. Matricone. 2,439,258, Apr. 6.
- Vacuum sifter. H. Cartmell and C. Carey. 2,455,226, Nov. 30.
- Vacuum sealing flexible packages. S. H. Berch. 2,449,272, Sept. 14.
- Vacuum still, Mercury. M. A. Smith. 2,450,098, Sept. 28.
- Vacuum stripping of moving catalyst in hydrocarbon conversion process. R. B. Collins. 2,447,116, Aug. 17.
- Vacuum treatment of milk powder. H. Shipstead. 2,453,277, Nov. 9.
- Vacuum tube. M. D. Baller. 2,445,754, July 27.
- Vacuum tube electronic switch. B. Conley. 2,446,170, Aug. 3.
- Vacuum tube lock. K. Emde. 2,449,646, Sept. 21.
- Vacuum tube meter. J. M. van Beuren and E. Conrad. 2,434,823, Jan. 20.
- Vacuum work holder. C. Morrison. 2,446,295, Aug. 3.
- Vacuuminizing apparatus, Container controlled. A. L. Kronquest. 2,457,690, Dec. 28.
- Vaginal gauge. E. B. Wolfe. 2,456,806, Dec. 21.
- Valance. B. F. Stenz. 2,448,061, Aug. 31.
- Valuable transferring apparatus. W. Swiech. 2,436,702, Feb. 24.
- Valve: See—
- Accumulator starting valve.
- Adjustable check valve.
- All-steel high-gear valve.
- Air flow control valve.
- Air flow regulating valve.
- Automatic shutoff valve.
- Automatic water valve.
- Back-pressure check valve.
- Braced head dome valve.
- Cabin pressure regulator valve.
- Check valve.
- Combined pressure and temperature relief valve.
- Compressor valve.
- Control valve.
- Corrosion resisting valve.
- Demand valve.
- Diaphragm control valve.
- Differential pressure valve.
- Discharge valve.
- Dithering valve.
- Double seal valve.
- Dry pipe valve.
- Dual tire valve.
- Duplex four-way valve.
- Electrically actuated valve.
- Electromagnetic pulsator valve.
- Excess flow valve.
- Expansion valve.
- Feed valve.
- Float valve.
- Flow-proportioning valve.
- Flow-regulating valve.
- Fluid control valve.
- Fluid cooled four-way valve.
- Fluid operated valve.
- Fluid pressure operated valve.
- Fluid system automatic vent valve.
- Fluid valve.
- Flush tank valve.
- Gas control valve.
- High-low gas valve.
- High-pressure four-way valve.
- Hydraulic control valve.
- Hydraulic selector valve.
- Hydraulic valve.
- Interferometric light valve.
- Lift check valve.
- Liquid mixing valve.
- Locomotive throttle valve.
- Manual reset valve.
- Measuring valve.
- Meter valve.
- Metering valve.
- Microwave-absorptive gas light valve.
- Microwave-acoustic light valve.
- Mixing valve.
- Multiple stage thermionic valve.
- Oil-burner-delayed-action valve.
- Oil control valve.
- Oil temperature control valve.
- Packless back-seating valve.
- Packless globe valve.
- Packless valve.
- Plug cock valve.
- Plug valve.
- Poppet valve.
- Power-operated check valve.
- Pressure controlled self-closing valve.
- Pressure operated valve.
- Pressure regulating valve.
- Pressure relief valve.
- Pressure responsive valve.
- Quick acting valve.
- Radiator vent valve.
- Regulating valve.
- Relief valve.
- Reverse flow by-pass valve.
- Rotary fuel distributing valve.
- Safety valve.
- Servo selector valve.
- Spring loaded safety valve.
- Synchronizing valve.
- Tank valve.
- Thermostatic valve.
- Thermostatically controlled mixing valve.
- Time controlled valve.
- Toilet flush tank valve.
- Transfer valve.
- Vacuum operated three-way valve.
- Viscosity-responsive valve.
- Valve. S. W. Alderfer. 2,441,094, May 4.
- Valve. B. N. Ashton. 2,445,505, July 20.
- Valve. L. L. Aspelin. 2,436,242, Feb. 17.
- Valve. J. L. Barnes. 2,449,833, Sept. 21.
- Valve. P. H. Dixon. 2,441,220, May 11.
- Valve. S. H. Edwards. 2,448,706, Sept. 7.
- Valve. W. J. Gartz. 2,444,401, June 29.
- Valve. J. N. Gladden. 2,446,274, Aug. 3.
- Valve. R. W. Hays. 2,456,829, Dec. 21.
- Valve. D. W. Hopkins. 2,443,036, June 8.
- Valve. G. H. Hufford and G. O. R. Lindgren. 2,449,481, Sept. 14.
- Valve. W. J. Klod. 2,450,242, Sept. 28.
- Valve. R. H. Leitzel. 2,456,965, Dec. 21.
- Valve. W. D. Ludwig, Jr. 2,441,201, May 11.
- Valve. B. J. Lyons. 2,446,139, July 27.
- Valve. D. W. Main. 2,444,137, June 29.
- Valve. J. W. Marsh. 2,450,480, Oct. 5.
- Valve. N. S. McEwen. 2,454,077, Nov. 16.
- Valve. C. E. Milner. 2,446,714, Aug. 10.
- Valve. J. N. Patterson. 2,443,929, June 22.
- Valve. C. A. Pugh, D. G. Booth, and R. W. Rough. 2,437,480, Mar. 9.
- Valve. F. J. Raybould. 2,467,492, Dec. 28.
- Valve. J. Roberts. 2,448,913, Sept. 7.
- Valve. J. W. Robins. 2,452,956, Nov. 2.
- Valve. J. A. Rosmait. 2,449,145, Sept. 14.
- Valve. F. F. Sarver. 2,441,252-3, May 11.
- Valve. E. A. Stienen. 2,442,553, June 1.
- Valve. C. J. Strid. 2,451,586, Oct. 19.
- Valve. G. N. Strike. 2,439,110, Apr. 6.
- Valve. H. E. Voorhies. 2,447,443, Aug. 17.
- Valve actuated mechanism. L. R. Spencer. 2,435,727, Feb. 10.
- Valve actuating means. V. C. Priest. 2,445,493, July 20.
- Valve actuating mechanism. H. C. Wilkening. 2,449,733, Sept. 21.
- Valve actuation for oscillating cylinder expansible chamber motors. A. N. Pigg. 2,453,640, Nov. 9.
- Valve and air charger for pump-storage systems. J. E. and L. D. Picardo. 2,435,053, Jan. 27.
- Valve and control, Mixer. C. A. Brown. 2,448,170, Aug. 31.
- Valve and control, Mixer. T. B. Chace. 2,444,631, July 6.
- Valve and dither mechanism therefor, Pilot operated hydraulic. A. G. Rose and K. H. Nicholls. 2,455,315, Nov. 30.
- Valve arrangement. F. G. G. Armstrong. 2,451,707, Oct. 19.
- Valve arrangement for external-combustion engines. D. M. Weigel. 2,449,262, Sept. 14.
- Valve arrangement for halting reversible rams to prevent over-stroking thereof. B. D. Ashbaugh. 2,436,986, Mar. 4.
- Valve arrangement, Locomotive. J. Kirchhof. 2,441,156, May 11.
- Valve assembly. H. R. Jones. 2,444,703, July 6.
- Valve assembly, Double acting. J. E. Eckel. 2,442,642, June 1.
- Valve assembly for fuel injector pumps, Discharge. G. W. Baierlein. 2,455,290, Nov. 30.
- Valve assembly for hydraulic steering systems. E. E. Nelson. 2,451,689, Oct. 19.
- Valve assembly for pressure regulators and the like. J. K. Hamilton. 2,447,067, Aug. 17.
- Valve assembly for ventilation system, Relief. W. A. Swenberg. 2,452,612, Nov. 2.

- Valve attaching device for liquid dispensers. J. A. Hopwood. 2,440,772, May 4.
- Valve cage. C. E. Bridwell. 2,449,106, Sept. 14.
- Valve catcher. T. M. Ball. 2,452,283, Oct. 26.
- Valve construction. B. H. Miller. 2,444,942, July 13.
- Valve construction. F. A. Quiroz. 2,437,552, Mar. 9.
- Valve construction. G. H. Wolfe. 2,441,524, May 11.
- Valve construction, Filter by-pass. W. Kasten. 2,439,936, Apr. 20.
- Valve construction, Pump. R. R. Curtis. 2,439,242, Apr. 6.
- Valve control for fluid levels in hydraulic power plants. H. R. Fischer and E. W. Stevens. 2,455,747, Dec. 7.
- Valve control, Metering. H. E. Malone and C. H. Traver. 2,442,367, June 1.
- Valve control, Mixing. H. C. Bowen. 2,442,886, June 8.
- Valve control, Vacuum pan discharge. J. E. Mason. 2,443,628, June 22.
- Valve controlling mechanism. G. B. Thieme. 2,439,113, Apr. 6.
- Valve cooling means for internal-combustion engines. A. F. W. Helmbold. 2,453,508, Nov. 9.
- Valve device for tractor-trailer brake operation, Reaction. J. Rodway. 2,442,020, May 25.
- Valve device for use with flexible hose. W. Jackson. 2,441,704, May 18.
- Valve for aircraft cooling systems. J. E. Eshbaugh. 2,437,187, Mar. 2.
- Valve for controlling supply of liquid under pressure. N. Strausser. 2,436,680, Feb. 24.
- Valve for depth charge firing mechanisms. W. B. Ellwood. 2,438,117, Mar. 23.
- Valve for four-cycle engines, Combination intake and exhaust. F. J. Cloutier. 2,439,618, Apr. 13.
- Valve for gaseous fuel burners, Control. C. M. Mayer. 2,434,215, Jan. 6.
- Valve for handling fluent materials, Alternate tipping. P. Pootjes. 2,439,861, Apr. 20.
- Valve for hose nozzles, Automatic shut-off. A. L. Grise. 2,445,524, July 20.
- Valve for hydraulic couplings, Dump. N. L. Alison. Re. 22,975, Feb. 24.
- Valve for insecticide sprays. S. T. Williams. 2,452,215, Oct. 26.
- Valve for internal-combustion engines, Rotary. B. G. Carlson. 2,457,206, Dec. 28.
- Valve for oil temperature control units, By-passing. W. Worth. 2,454,297, Nov. 23.
- Valve for rock drills. H. O. Fossum. 2,448,875, Sept. 7.
- Valve for rock drills, Distributing. W. D. Craze. 2,443,894, June 22.
- Valve for spray bars. W. E. Cellwork. 2,439,539, Apr. 13.
- Valve for step-by-step servomotors. R. H. Hodgson. 2,439,515, Apr. 13.
- Valve for stoppers, Throttle. A. Feucht. 2,451,671, Oct. 19.
- Valve for track sanders, Timing. H. N. Sudduth. 2,435,372, Feb. 3.
- Valve for two-temperature refrigerating systems, Selecting. L. W. Atchison. 2,440,534, Apr. 27.
- Valve for use with air blast circuit breaker. W. M. Scott, Jr. 2,435,162, Jan. 27.
- Valve gear. W. G. Lundquist. 2,439,175, Apr. 6.
- Valve grinding machine. H. Durat. 2,438,994, Apr. 6.
- Valve having a capillary tube expansion passage, Regulator. J. E. Dube. 2,452,441, Oct. 26.
- Valve indexing means. W. Margrave. 2,438,672, Mar. 30.
- Valve-in-head rotary internal-combustion engine embodying a rotary piston with radial sliding vanes and having a combustion chamber in the head. E. W. Rich. 2,437,653, Mar. 9.
- Valve insides. J. C. Crowley. 2,451,276, Oct. 12.
- Valve lever, Double-action flush. B. R. Crampton. 2,454,431, Nov. 23.
- Valve means for tank emergency valves, Detachable. H. C. Krone and W. Meyer. 2,442,953, June 8.
- Valve means, Tank inlet. S. Horvath. 2,442,927, June 8.
- Valve means to compensate for viscosity in hydraulic systems. R. E. Price. 2,456,431, Dec. 14.
- Valve mechanism. C. E. Gates. 2,451,162, Oct. 12.
- Valve mechanism, Compressor. P. L. Crittenden. 2,447,686, Aug. 24.
- Valve mechanism for actuating the distributing valve of an expandible chamber motor, Quick-acting. V. G. Klein and R. F. Schneller. 2,437,391, Mar. 9.
- Valve mechanism for breathing apparatus. P. E. Meidenbauer, Jr. 2,445,359, July 20.
- Valve mechanism for expandible chamber motors with oscillating pistons, Snap action. B. Ulrich, Jr. 2,455,628, Dec. 7.
- Valve mechanism for handling liquefied gases and the like. R. J. Kirkby. 2,451,559, Oct. 19.
- Valve mechanism for registers and the like. K. L. Babcock and R. L. Leigh. 2,439,444, Apr. 13.
- Valve mechanism for tanks, Flush. H. F. Smith. 2,444,959, July 13.
- Valve mechanism, Piston-operated. A. J. Miller and L. W. Young. 2,439,523, Apr. 13.
- Valve mechanisms, Pressure-regulating. W. W. Paget. 2,442,780, June 8.
- Valve mounting. R. Yuza. 2,456,165, Dec. 14.
- Valve operating mechanism, Time controlled. H. M. Reeves. 2,435,324, Feb. 3.
- Valve reseating tool. B. H. Black. 2,455,550, Dec. 7.
- Valve safety shutoff, Gas. E. R. Koppel. 2,437,163, Mar. 2.
- Valve seat. D. G. Fawkes and F. R. Venton. 2,435,882, Feb. 10.
- Valve seat and sleeve, Removable. J. J. Delany and J. D. Langdon. 2,434,262, Jan. 13.
- Valve seat assembly. J. H. Hoern. 2,447,858, Aug. 24.
- Valve stem. C. H. Kearny. 2,444,449, July 6.
- Valve stem and valve. J. C. Crowley. 2,451,277, Oct. 12.
- Valve stem, Ball-bearing. R. and K. Doerr. 2,451,928, Oct. 19.
- Valve stem drive, Flexible. C. W. Bryant. 2,452,428, Oct. 26.
- Valve structure. W. R. Brown. 2,451,799, Oct. 19.
- Valve structure. J. H. De Frees. 2,453,413, Nov. 9.
- Valve structure, Diaphragm puncturing. R. S. Wallach. 2,450,461, Oct. 5.
- Valve structure, Multiple port. B. W. Johnson and A. D. Bullerjahn. 2,451,678, Oct. 19.
- Valve suitable for use with cathode-ray tubes and for other purposes. G. N. Brett and E. A. Smith. 2,449,838, Sept. 21.
- Valve system and operation, Flax. M. C. Depp, R. S. Curry, Jr., and C. F. Fragola. 2,447,496, Aug. 24.
- Valve unit for liquefied petroleum gas systems. L. J. White. 2,442,156, May 25.
- Valve washer. C. S. Pope. 2,443,012, June 8.
- Valve with fluid actuated piston pilot valve for expandible chamber motors, Fluid actuated piston distributing. E. C. Seward and F. Walcutt. 2,451,983, Oct. 19.
- Valve with operating position hold, Control. W. T. Stephens. 2,448,577, Sept. 7.
- Valve with retainer control, Brake cylinder release. W. F. Klein. 2,444,993, July 13.
- Valved coupling. E. O. Knoblauch. 2,434,167, Jan. 6.
- Valved-cylinder type motor. L. H. Cushman. 2,435,270, Feb. 3.
- Valved joint. F. E. Hansen. 2,440,946, May 4.
- Valves for containers, Making vent. R. M. Berglund. 2,456,615, Dec. 21.
- Valves, Making. P. E. Cooley. 2,455,299, Nov. 30.
- Valves, Making sheathed. P. P. Johnson. 2,450,803, Oct. 5.
- Valves, Manufacturing. C. H. Bassett. 2,448,483, Aug. 31.
- Valves, Preparing composite poppet. J. Wischhusen. 2,435,948, Feb. 10.
- Vane control for fans, Spin. R. L. Lincoln. 2,441,427, May 11.
- Vane for combined fluid torque converters and couplings. J. Jandasek. 2,441,818, May 18.
- Vane pump for oil burners, Variable capacity. W. H. De Lancey. 2,451,279, Oct. 12.
- Vane type hydraulic motor. J. K. Douglas. 2,453,309, Nov. 9.
- Vane type pump. E. F. Hubacker. 2,435,279, Feb. 3.
- Vane, Weather. W. Akerman. 2,447,224, Aug. 17.
- Vanilla flavor, Synthetic. C. Levy. 2,448,896, Sept. 7.
- Vanillic acid, Production of. I. A. Pearl. 2,446,606, Aug. 10.
- Vanillin, Isolating. A. Blankart. 2,449,364, Sept. 14.
- Vanillin, Making. J. R. Salvesen, D. L. Brink, D. G. Diddams, and P. Owzarski. 2,434,626, Jan. 13.
- Vanity case. B. Wesson and N. Kupin. 2,441,303, May 11.
- Vanity case. F. M. Williamson. 2,437,578, Mar. 9.
- Vapor compression sea water still, Manually operated. D. D. Lindsay. 2,456,562, Dec. 14.
- Vapor disseminator. H. R. Rich. 2,438,129, Mar. 23.
- Vapor electric device. J. L. Boyer and R. J. Ballard. 2,454,129, Nov. 16.
- Vapor electric device. A. P. Colaiaco. 2,447,637, Aug. 24.
- Vapor electric device. M. Garbuny and R. E. Hull. 2,451,938, Oct. 19.
- Vapor electric device. P. A. Halpine. 2,447,646, Aug. 24.
- Vapor-electric device. W. E. Pakala. 2,439,946, Apr. 20.
- Vapor eliminator and fuel meter for use in fuel feed systems of aircraft, Unitary. L. Gouy. 2,447,008, Aug. 17.
- Vapor indicating apparatus. R. A. Ackley. 2,455,966, Dec. 14.
- Vapor phase degreasing apparatus, including temperature control of vapor condensers. M. C. Boss. 2,447,840, Aug. 24.
- Vapor phase extraction. W. B. Franklin. 2,436,471, Feb. 24.
- Vapor phase solvent extraction process. E. F. Wadley. 2,436,472, Feb. 24.
- Vaporized metal halides, Condensing. P. B. Kraus. 2,446,181, Aug. 3.
- Vaporizer. J. K. Duncan. 2,443,417, June 15.
- Vaporizer. W. R. Kuzmin and S. J. Levine. 2,454,657, Nov. 23.
- Vaporizer. A. R. Olson. 2,456,889, Dec. 21.
- Vaporizer. C. Persak. 2,453,455, Nov. 9.
- Vaporizer. H. E. Prichard. 2,451,238, Oct. 12.
- Vaporizer. T. A. St. Clair. 2,456,890, Dec. 21.
- Vaporizer adapted for use as a cigar lighter, Incense. J. T. Williams and K. F. Riese. 2,434,825, Jan. 20.
- Vaporizer and control panel. F. W. Glossbrenner. 2,456,057, Dec. 14.

- Vaporizer and protecting cover, Electrical oxygen. J. A. Mathis and R. W. Milan. 2,454,934, Nov. 30.
- Vaporizer, Electric. J. Robinson. 2,450,444, Oct. 5.
- Vaporizer for two-stage liquefied petroleum gas dispensing systems. L. J. White. 2,451,309, Oct. 12.
- Vaporizer, Fuel. I. W. Wepplo. 2,456,097, Dec. 14.
- Vaporizing and disseminating device. H. Schlesinger. 2,435,756, Feb. 10.
- Vaporizing apparatus for liquefied gases. J. W. Martin. 2,446,941, Aug. 10.
- Vaporous reactants from catalyst used in hydrocarbon conversion, Removing. R. W. Krebs. 2,444,832, July 6.
- Vapors from a contact mass, Method and apparatus for separation of. J. W. Payne, C. V. Hornberg, and R. D. Drew. 2,448,272, Aug. 31.
- Variable capacity pump. W. H. De Lancey. 2,451,666, Oct. 19.
- Variable capacity rotary pump. J. H. McCaleb. 2,448,108, Aug. 31.
- Variable condenser. C. V. Litton. 2,438,931, Apr. 6.
- Variable condenser. M. R. Weissman. 2,435,374, Feb. 3.
- Variable displacement gear pump. C. E. Grosser. 2,457,465, Dec. 28.
- Variable displacement pump. L. E. Topham. 2,450,570, Oct. 5.
- Variable field range and view finder. E. K. Kaprelian. 2,437,032, Mar. 2.
- Variable fraction plug. R. R. and R. E. Mondron. 2,445,533, July 20.
- Variable incidence wing control for aircraft of the rotary wing or airplane sustained type. A. S. Mullgardt. 2,437,330, Mar. 9.
- Variable inductance. R. L. Campbell. 2,442,264, May 25.
- Variable inductance. T. A. Newkirk. 2,442,373, June 1.
- Variable inductance device. J. L. Clark. 2,451,809, Oct. 19.
- Variable inductance pickup device. J. F. Schoeppel. 2,447,212, Aug. 17.
- Variable output pump. H. A. Cartwright. 2,445,603, July 20.
- Variable pitch fan blade assembly. S. C. and N. B. Earley, E. J. Sanders, W. C. Skareen, R. L. Davies, and J. A. Hughes. 2,437,810, Mar. 16.
- Variable pitch propeller. H. G. Leiner. 2,435,360, Feb. 3.
- Variable pitch propeller unit, Self-contained. A. G. Forsyth. 2,437,188, Mar. 2.
- Variable resistance device. M. J. Arvin and R. L. Brady. 2,443,018, June 8.
- Variable speed control. A. Berndt. 2,435,122, Jan. 27.
- Variable-speed control system. W. P. Lear. 2,436,582, Feb. 24.
- Variable-speed device. E. H. Schmidt. 2,456,738, Dec. 21.
- Variable-speed device, Progressive. M. A. G. Fabis. 2,438,778, Mar. 30.
- Variable speed drive. H. E. Page. 2,436,936, Mar. 2.
- Variable-speed drive for elevators. S. A. Mulkey and G. E. Hatcher. 2,446,660, Aug. 10.
- Variable-speed drive for propellers. E. R. Herring and C. P. Sander. 2,437,467, Mar. 9.
- Variable-speed drive, Sectionalized. H. A. Rose. 2,442,021, May 25.
- Variable-speed mechanism. C. H. Richardson. 2,444,470, July 6.
- Variable-speed motor. B. R. Gerulis and H. Garvelink. 2,444,821, July 6.
- Variable speed transmission. H. Klaucke. 2,437,540, Mar. 9.
- Variable-speed transmission. R. R. Locke. 2,443,075, June 8.
- Variable-speed transmission. W. K. Rieber. 2,437,128, Mar. 2.
- Variable stroke pump. R. J. Ifield. 2,455,062, Nov. 30.
- Variable throw eccentric. J. G. Crosby. 2,445,605, July 20.
- Variable throw vibratory head for screens, conveyers, and the like. H. H. Hittson. 2,445,175, July 13.
- Variable time mechanism. C. L. Wellington. 2,444,411, June 29.
- Varilength tandem self-aligning gauge. T. A. Anderer and R. W. Tafel. 2,455,347, Dec. 7.
- Variometer with air dielectric. J. M. Unk. 2,450,743, Oct. 5.
- Varnish, Wrinkle. W. A. Waldie. 2,443,284, June 15.
- Vase, Ground. A. S. Carlson. 2,438,802, Mar. 30.
- Vat dyestuffs of the anthraquinone series, Sulfur containing. M. Scalera. 2,441,512, May 11.
- Vat, Liquid temperaturizing. F. J. McCullough. 2,446,054, July 27.
- Vault, Wheeled concrete burial. W. W. Haase. 2,456,939, Dec. 21.
- Vegetable cutter. A. G. Wahl. 2,454,237, Nov. 16.
- Vegetable cutter on a horizontal axis with a follower feed, Rotary. L. O. D. Harris and W. P. Padgett. 2,452,567, Nov. 2.
- Vegetable oils with ferric salts and silicates, Decolorizing. A. Greentree. 2,450,549, Oct. 5.
- Vegetable slicer, Manually operated. C. H. Dickman. 2,449,282, Sept. 14.
- Vehicle: See—
- Automotive vehicle.
- Children's vehicle.
- Dump vehicle.
- Dumping vehicle.
- Folding child's vehicle.
- Folding infant-carrying vehicle.
- Folding vehicle.
- Foot propelled vehicle.
- Front and rear wheel driven motor vehicle.
- Invalid's vehicle.
- Land and water vehicle.
- Land sail vehicle.
- Material lifting and transporting vehicle.
- Vehicle. C. E. Swenson. 2,436,681, Feb. 24.
- Vehicle, adapted for fire suppression, Land. P. H. Murphy. 2,449,311, Sept. 14.
- Vehicle and interchangeable freight container, Transport. W. P. Kellett. 2,444,297, June 29.
- Vehicle-arresting apparatus. W. E. Lynn. 2,448,039, Aug. 31.
- Vehicle attachment, Antiglare. H. A. Kopp. 2,441,887, May 18.
- Vehicle body. R. Lucien. 2,455,429, Dec. 7.
- Vehicle body. F. M. Reid. 2,443,478, June 15.
- Vehicle body. T. Vigmostad and S. N. Juul. Re. 23,007, June 15.
- Vehicle body, Cargo carrying. W. H. Seckel. 2,451,880, Oct. 19.
- Vehicle body mounting. R. Hereford. 2,440,746, May 4.
- Vehicle body side wall bracing construction. L. B. Neighbour and F. A. Thomann. 2,443,265, June 15.
- Vehicle brake. L. R. Buckendale and R. K. Super. 2,435,955, Feb. 17.
- Vehicle brake. E. E. Hood. 2,445,616, July 20.
- Vehicle brake mounting means. C. H. Sauer. 2,434,055, Jan. 6.
- Vehicle, Braking connected. E. A. Rockwell. 2,445,456, July 20.
- Vehicle bumper jack. O. R. Cedarholm. 2,456,375, Dec. 14.
- Vehicle chassis bracket structure and wheel suspension and engine connections thereto. M. F. A. Julien. 2,439,659, Apr. 13.
- Vehicle construction. A. R. Cunningham. 2,453,499-500, Nov. 9.
- Vehicle coupler. A. B. and K. C. Clark. 2,451,660, Oct. 19.
- Vehicle coupling and power steering device. J. H. Hyler. 2,451,677, Oct. 19.
- Vehicle driving mechanism. L. R. Buckendale. 2,437,678, Mar. 16.
- Vehicle for children, Folding. I. B. Kemper. 2,451,956, Oct. 19.
- Vehicle frame joint. H. A. Hutchins. 2,452,758, Nov. 2.
- Vehicle having a body carried by two opposing journals on two wheel-supported frames. E. K. P. Graham. 2,434,693, Jan. 20.
- Vehicle having axleless trucks, Rail. H. F. Flowers. 2,439,801, Apr. 20.
- Vehicle jack. S. De Orlow. 2,435,693, Feb. 10.
- Vehicle lighting, Motor. E. C. De Smet and J. W. Dickason. 2,457,211, Dec. 28.
- Vehicle lighting system. H. N. Dimick. 2,453,415, Nov. 9.
- Vehicle mounted front end loader. J. B. Castle. 2,449,160, Sept. 14.
- Vehicle or craft construction, Tracked. T. A. Werkenthin. 2,435,617, Feb. 10.
- Vehicle reach and hound construction. G. G. McNamara, Jr. 2,450,977, Oct. 12.
- Vehicle running gear. C. T. O'Harrow. 2,442,903, June 8.
- Vehicle spring. J. B. Kucera. 2,457,243, Dec. 28.
- Vehicle step, Retractable. C. K. Gabriel. 2,436,961, Mar. 2.
- Vehicle stop and directional signal, Combined. E. B. Hallman. 2,440,011, Apr. 20.
- Vehicle support. W. F. Bartholomew. 2,446,321, Aug. 3.
- Vehicle suspension. L. R. Buckendale. 2,453,116-17, Nov. 9.
- Vehicle suspension. H. A. Flogaus. 2,450,506, Oct. 5.
- Vehicle suspension. R. Greaves. 2,445,219, July 13.
- Vehicle tandem axle running gear. W. E. Martin. 2,456,719, Dec. 21.
- Vehicle tow bar. A. R. Holloway. 2,447,250, Aug. 17.
- Vehicle tow bar. P. T. Wak, Jr. and A. J. Carpenter. 2,449,680, Sept. 21.
- Vehicle undercarriage, Steerable. J. Fedevich. 2,453,311, Nov. 9.
- Vehicle wheel. H. A. Flogaus. 2,450,507, Oct. 5.
- Vehicle wheel. H. Griebat. 2,457,365, Dec. 28.
- Vehicle wheel. H. J. Horn. 2,438,284, Mar. 23.
- Vehicle wheel. E. R. Jacobi. 2,453,512, Nov. 9.
- Vehicle wheel cover. G. A. Lyon. 2,434,940, Jan. 27.
- Vehicle wheel cover. G. A. Lyon. 2,435,045, Jan. 27.
- Vehicle wheel mounting. R. E. Blanton. 2,455,216, Nov. 30.
- Vehicle wheel mounting. L. M. Francis. 2,441,807, May 18.
- Vehicle, Wheeled. B. A. Swennes. 2,444,759, July 6.
- Vehicle window regulator. B. S. Floraday. 2,452,448, Oct. 26.
- Mechanically actuated toy wheeled vehicle.
- Multiaxle vehicle.
- Power-driven vehicle.
- Rider propelled vehicle.
- Self-loading vehicle.
- Side-towed vehicle.
- Snow vehicle.
- Transport vehicle.
- Transportation vehicle.
- Tricycle vehicle.
- Water dispersible coating vehicle.
- Water vehicle.

- Vehicle window regulator. J. B. Parsons. 2,436,728, Feb. 24.
- Vehicle windshield construction. H. A. Hicks. 2,437,664, Mar. 9.
- Vehicle tires, Making. C. L. Beward. 2,437,873, Mar. 16.
- Vehicle turn signal. C. E. Edwards. 2,437,944, Mar. 16.
- Velocity indicator. J. Muller. 2,445,234, July 13.
- Velocity modulation discharge tube apparatus. E. Feenberg. 2,444,434, July 6.
- Velocity modulation electron discharge tube. C. G. Smith. 2,452,075, Oct. 26.
- Velocity variation apparatus. J. R. Pierce. 2,455,269, Nov. 30.
- Vending apparatus. C. C. Colbert. 2,452,837, Nov. 2.
- Vending container. LeRoy S. Sayre. 2,433,926, Jan. 6.
- Vending machine. J. R. Clem. 2,444,219, June 29.
- Vending machine. J. M. Devens. 2,440,251, Apr. 27.
- Vending machine. M. L. Holt. 2,438,502-3, Mar. 30.
- Vending machine. P. C. Smith. 2,439,550, Apr. 13.
- Vending machine. C. W. Tawney, S. J. Demarco, Jr., and P. H. Herrick. 2,433,873, Jan. 6.
- Vending machine. F. A. Wagner. 2,444,389, June 29.
- Vending machine. R. T. Wright. 2,437,311, Mar. 9.
- Vending machine. Coin-controlled. F. Niewoehner. 2,444,747, July 6.
- Vending machine, Coin controlled. W. M. Stewart. 2,453,280, Nov. 9.
- Vending machine, Drink. J. J. Booth. 2,455,551, Dec. 7.
- Vending machine, Multiple compartment. W. D. Young and W. A. Harris. 2,435,526, Feb. 3.
- Vending machine, Product. E. J. Newcomer. 2,436,223, Feb. 17.
- Veneer laminate, Making flexible. A. Elmendorf. 2,435,209, Feb. 3.
- Veneer, Making paper-covered. R. J. Byers and M. B. Christian. 2,442,115, May 25.
- Veneering elastomers. E. E. Leach, Jr. 2,437,855, Mar. 16.
- Venetian blind. W. H. Hackett. 2,440,769, May 4.
- Venetian blind. F. D. Irwin. 2,456,946, Dec. 21.
- Venetian blind and making the same. C. W. Pollard. 2,435,944, Feb. 10.
- Venetian blind cleaner. B. Cranney. 2,452,107, Oct. 26.
- Venetian blind head-bar organization. H. Nelson. 2,455,135, Nov. 30.
- Venetian blind head box. F. J. Burns. 2,454,550, Nov. 23.
- Venetian blind tilt-bar support. J. Niessenson. 2,435,288, Feb. 3.
- Venoclysis set, Disposable. M. R. Fields. 2,452,643, Nov. 2.
- Vent for pressure cookers, Safety. B. D. Goldberg. 2,436,566, Feb. 24.
- Vent, overflow, and ladder unit, for storage tanks. R. A. Jackson. 2,457,155, Dec. 28.
- Ventilating and flushing apparatus for water closets. C. J. Majauskas. 2,449,134, Sept. 14.
- Ventilating and vaporizing apparatus. C. F. J. Dupuy. 2,441,623, May 18.
- Ventilating apparatus, Crankcase. C. R. Callaway and F. R. Dunn. 2,450,864, Oct. 5.
- Ventilating body or screen. H. R. Jensen. 2,441,819, May 18.
- Ventilating device. K. M. Ganger and J. B. Burrowes. 2,453,009, Nov. 2.
- Ventilating device for water closets. H. Fitzgerald. 2,443,703, June 22.
- Ventilating means, Toilet. C. M. Molpus. 2,451,108, Oct. 12.
- Ventilating system for motion-picture machines. K. Brenkert. 2,434,193, Jan. 6.
- Ventilation of dynamo-electric machines. E. O. Mueller. 2,436,322, Feb. 17.
- Ventilation system for motion-picture projectors. L. H. Moomaw. 2,440,966, May 4.
- Ventilator. C. Davies. 2,456,391, Dec. 14.
- Ventilator. H. W. Little. 2,452,941, Nov. 2.
- Ventilator. B. K. Paget. 2,456,311-12, Dec. 14.
- Ventilator. J. B. Shaver. 2,439,271, Apr. 6.
- Ventilator. H. F. Tideman. 2,456,340, Dec. 14.
- Ventilator fan, Plastic. W. W. Welch. 2,441,737, May 18.
- Ventilator for enclosed spaces. T. Alton. 2,434,090, Jan. 6.
- Ventilator having adjustable mounting means, Portable. M. J. Winogrand. 2,436,344, Feb. 17.
- Ventilator operating means, Automobile cowl. R. E. Hennessy. 2,443,454, June 15.
- Ventilator, Rain and sprayproof. C. W. Porter. 2,448,048, Aug. 31.
- Ventilator, Roof. G. W. Donley. 2,447,472, Aug. 17.
- Ventilator, Roof. H. B. Hawes. 2,438,166, Mar. 23.
- Ventilator, Window. J. C. Gerken. 2,440,468, Apr. 27.
- Ventilator, Window. R. H. Hoach. 2,437,741, Mar. 16.
- Venting for mold cavities in centrifugally casting. H. J. Wook. 2,442,718, June 1.
- Venting means for stoves, Concealed. W. Bauer. 2,452,715, Nov. 2.
- Vermin destroyer. G. A. Wilson. 2,440,214, Apr. 20.
- Vernier caliper radii attachment. G. Podolan. 2,440,973, May 4.
- Vernier for mechanically measuring angles. E. W. Kelley. 2,446,287, Aug. 3.
- Vertical current pneumatic separator. M. W. Redhead. 2,446,786, Aug. 10.
- Vertical heating and circulating tube still. J. M. Chambers. 2,449,587, Sept. 21.
- Vertical mixer. W. F. Dehuff. 2,457,533, Dec. 28.
- Vertically adjustable bookkeeper's table. W. F. Graeske. 2,448,710, Sept. 7.
- Vessel and deflector therefor, Mixing. F. D. Bostwick. 2,450,107, Sept. 28.
- Vessel assembly. D. R. Mattoon. 2,441,892, May 18.
- Vessel, Spheroidal pressure. H. C. Boardman. 2,457,118, Dec. 28.
- Vessel with self-locking means, Closed. M. Blackman and J. Traube. 2,441,131, May 11.
- Vessels, Manufacture of double-walled. R. W. Tibbetts. 2,435,806, Feb. 10.
- Vibrating apparatus. E. W. Larsen. 2,438,755-6, Mar. 30.
- Vibrating reed frequency meter. F. J. Lingel. 2,447,191, Aug. 17.
- Vibrating screen. A. W. Lippmann. 2,456,791, Dec. 21.
- Vibration absorbing mounting. C. Hussman. 2,439,739, Apr. 13.
- Vibration actuated indicator. E. Abrahamson. 2,438,958, Apr. 6.
- Vibration and massage apparatus. P. L. Bucy. 2,441,394, May 11.
- Vibration dampener, Fin. F. S. Sherwin. 2,455,708, Dec. 7.
- Vibration dampening multiblade aircraft propellers. C. M. Kearns, Jr., and W. E. Arnoldi. 2,440,956, May 4.
- Vibration damping means, Propeller. J. G. Baker. 2,447,628, Aug. 24.
- Vibration damping mount. Le R. L. Werner. 2,437,717, Mar. 16.
- Vibration indicating apparatus. E. L. Kent and R. C. Treseder. 2,447,863, Aug. 24.
- Vibration pickup. J. M. Tyler and V. E. Thornburg. 2,443,969, June 22.
- Vibrator. R. J. Aust. 2,447,047, Aug. 17.
- Vibrator. H. J. Brown. 2,447,230, Aug. 17.
- Vibrator. S. Flam. 2,446,818, Aug. 10.
- Vibrator. C. Huettner. 2,442,270, May 25.
- Vibrator. C. Huettner. 2,443,037, June 8.
- Vibrator. N. Langer. 2,445,401, July 20.
- Vibrator. R. O. Stokes and G. Kopp. 2,457,413, Dec. 28.
- Vibrator. H. S. Wenander. 2,437,983, Mar. 16.
- Vibrator and circuit therefor. C. Huettner. 2,455,253, Nov. 30.
- Vibrator apparatus, Voltage multiplying. J. R. Gelzer. 2,449,214, Sept. 14.
- Vibrator attachment for electric razor actuating instruments. O. R. Palmer, Jr. 2,437,402, Mar. 9.
- Vibrator circuit. T. N. Rosser. 2,435,515, Feb. 3.
- Vibrator circuit. I. M. Slater. 2,439,107, Apr. 6.
- Vibrator circuit with primary current division. R. M. Ellis. 2,445,390, July 20.
- Vibrator, Driver contact. R. J. Aust. 2,447,046, Aug. 17.
- Vibrator, Dust collector. J. R. Shoffner. 2,438,827, Mar. 30.
- Vibrator, Electromechanical. R. Adler. 2,435,487, Feb. 3.
- Vibrator for concrete mixers. A. F. Schunk. 2,445,126, July 13.
- Vibrator for use in connection with concrete. R. L. Wilde. 2,454,620, Nov. 23.
- Vibrator, High-frequency. R. J. Aust. 2,445,382, July 20.
- Vibrator power supply. R. J. Aust. 2,453,612, Nov. 9.
- Vibrator, Sealed. H. E. West. 2,445,196, July 13.
- Vibrator system. C. Huettner. 2,445,398, July 20.
- Vibratory armature electromagnetic motor. C. F. Wallace. 2,451,789, Oct. 19.
- Vibratory mechanical system. I. Wolff. 2,445,014, July 13.
- Vibratory screen. J. L. Wettlaufer. 2,453,883, Nov. 16.
- Victory light. J. J. Sigman. 2,434,774, Jan. 20.
- View finder. J. Briskin and J. Golick. 2,446,738, Aug. 10.
- View finder, Collapsible. G. P. Silberstein. 2,448,920, Sept. 7.
- Viewing device, Film. R. W. Farrell. 2,451,544, Oct. 19.
- Vinyl acetylenes, Preparation of. J. T. Horeczy. 2,455,677, Dec. 7.
- Vinyl alkyl ethers, Polymerizing. F. Grosser. 2,457,661, Dec. 28.
- Vinyl aromatic compounds, Production of readily polymerizable. J. L. Amos and F. J. Soderquist. 2,443,217, June 15.
- Vinyl aromatic compounds, Stabilization of. E. R. Erickson. 2,455,746, Dec. 7.
- Vinyl carboxylate polymerization using a thiourea stopper. H. W. Bryant. 2,453,655, Nov. 9.
- Vinyl chloride and catalyst therefor, Preparing. H. S. Miller. 2,448,110, Aug. 31.
- Vinyl chloride-containing polymers, Treating. C. G. Kamin. 2,441,360, May 11.
- Vinyl chloride-vinylidene chloride copolymers with phenol formaldehyde resins, Modifying. T. H. Rogers, Jr., and R. D. Vickers. 2,454,209, Nov. 16.
- Vinyl fluoracetates and polymers derived therefrom. B. W. Howk and R. A. Jacobson. 2,436,144, Feb. 17.
- Vinylidene chloride polymer tubes and stretching the same, Continuously extruding. W. T. Stephenson. 2,452,080, Oct. 26.

- Vinylidene chloride resin plasticized with a di-ester of endomethylene tetra-hydrophthalic acid. H. P. Staudinger, D. Faulkner, and G. T. Wright. 2,449,959, Sept. 21.
- Vinylphenoxthines and preparing the same. R. G. and L. W. Flowers. 2,451,818, Oct. 19.
- Vinyl resin film, sheeting, and the like, Manufacturing cast. A. J. Seitz. 2,434,231, Jan. 6.
- Vinyl resin, Stabilized. H. P. Park. 2,456,565, Dec. 14.
- Vinyl resin, Vulcanization of. L. F. Reuter. 2,451,174, Oct. 12.
- Vinyl resins containing alkenyl succinic esters and making. L. T. Sutherland. 2,440,985, May 4.
- Vinyl resins plasticized with hexitan tetra-esters. R. M. Goepp, Jr. 2,441,241, May 11.
- Violin bridge. W. J. Ake. 2,454,113, Nov. 16.
- Violin peg. E. R. Stone. 2,452,964, Nov. 2.
- Virus vaccines. L. A. Chambers. 2,445,300, July 13.
- Viscose artificial silk, filaments comprising threads, staple fibers, bands, and the like, Spinning. T. A. H. Blaas. 2,451,148, Oct. 12.
- Viscosimeter. W. D. Lawshe. 2,457,247, Dec. 28.
- Viscosity control. J. S. Pecker. 2,452,142, Oct. 26.
- Viscosity instrument. L. C. Eltzen. 2,439,287, Apr. 6.
- Viscosity measuring apparatus. T. A. Cohen. 2,434,349, Jan. 13.
- Viscosity of hydrocarbon polymers, Controlling. W. E. Elwell and R. L. Meier. 2,442,644, June 1.
- Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. J. Faust. 2,454,825, Nov. 30.
- Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. J. Faust. 2,454,828, Nov. 30.
- Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. L. Liberthson and J. Faust. 2,454,826, Nov. 30.
- Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. A. Moscovitz. 2,454,823-4, Nov. 30.
- Viscosity reduction of petroleum mahogany sulfonate hydrocarbon solutions. A. Moscovitz. 2,454,827, Nov. 30.
- Viscosity-responsive valve. C. C. Higgins. 2,434,799, Jan. 20.
- Vise, Cable splicing. F. J. Surk. 2,448,636, Sept. 7.
- Vise, Cam-teeth actuated. H. Heibig. 2,450,799, Oct. 5.
- Vise closed by treadle operated cam, Screw operated. J. Weber. 2,443,670, June 22.
- Vise, Double-acting chain-type pipe. M. L. Nielson. 2,455,517, Dec. 7.
- Vise, Fluid pressure operated. C.-A. Olson. 2,443,775, June 22.
- Vise for clamping the end portions of cables or ropes. F. R. Granger. 2,433,899, Jan. 6.
- Vise, Leather. R. C. Sweet. 2,452,271, Oct. 26.
- Vise, Quick adjustable bench. J. A. and J. Follmer. 2,437,351, Mar. 9.
- Vise, Quick-clamping. A. M. Saggen. 2,445,188, July 13.
- Vise, Quickly adjustable clamping. A. A. Archambault. 2,456,613, Dec. 21.
- Vise with slidable and swingable jaws, Drill press. A. D. Chester. 2,447,685, Aug. 24.
- Visor. C. W. G. Laing. 2,449,303, Sept. 14.
- Visor. M. Parrish, Jr. 2,444,524, July 6.
- Visor document clip. R. E. Krogh. 2,456,129, Dec. 14.
- Visor, Protective. R. H. Sherwood. 2,447,776, Aug. 24.
- Visor, Rain. L. L. Lindley. 2,446,288, Aug. 3.
- Visor, Sun. W. J. Peltier and A. J. Diroff. 2,454,613, Nov. 23.
- Visor, Sun. W. C. Van Dresser. 2,441,780, May 18.
- Vitamin A active esters, Producing. N. D. Embree and E. M. Shantz. 2,434,687, Jan. 20.
- Vitamin B-complex concentrate. F. W. Tanner, Jr., and J. M. Van Lanen. 2,449,340, Sept. 14.
- Vitamin concentrate, Preparing a. N. E. Rodgers, H. L. Pollard, and R. E. Meade. 2,449,144, Sept. 14.
- Vitamin concentrates, Fat-soluble. L. O. Buxton. 2,434,788, Jan. 20.
- Vitamin extraction from sunflower seed. E. Levin. 2,448,185, Aug. 31.
- Vitamin intermediates, Manufacture of. R. W. Van House. 2,443,334, June 15.
- Vitamin K-active compositions. E. Fernholz and S. Ansbacher. 2,455,397, Dec. 7.
- Vitamin K compounds, Obtaining. E. A. Doisy, S. A. Thayer, D. W. MacCorquodale, R. W. McKee, and S. B. Binkley. 2,456,686, Dec. 21.
- Vitamins in stillage, Synthesizing. A. F. Novak. 2,447,814, Aug. 24.
- Vitrified clay pipe joint. C. V. McClintock. 2,448,271, Aug. 31.
- Volatile fluoride recovery. E. C. Hughes. 2,440,542, Apr. 27.
- Volatiles from articles involving the use of infra-red lamps, Method and apparatus for removing. H. L. Grapp. 2,446,822, Aug. 10.
- Volatile metals, Refining of. H. F. Fisher. 2,456,935, Dec. 21.
- Voltage control circuit. S. Frankel. 2,457,140, Dec. 28.
- Voltage control circuit. W. R. Rambo. 2,437,892, Mar. 16.
- Voltage control, Variable. E. H. Haug. 2,441,814, May 18.
- Voltage doubler, Direct current. W. E. Peek. 2,439,860, Apr. 20.
- Voltage drive, Variable. E. I. Elgenberger. 2,442,346, June 1.
- Voltage gain control device. R. I. MacAuley. 2,443,864, June 22.
- Voltage indicator. A. Liebscher. 2,457,575, Dec. 28.
- Voltage interrupter, Small. M. D. Liston and C. E. Quinn. 2,442,299, May 25.
- Voltage-limiting arc interrupter. R. R. Pittman. 2,440,484, Apr. 27.
- Voltage magnitude discriminator circuit. O. T. Francis. 2,435,579, Feb. 10.
- Voltage multiplier, Direct-current. A. M. Curtis. 2,456,927, Dec. 21.
- Voltage reducer for arc welding circuits and the like. A. C. Mulder. 2,444,168, June 29.
- Voltage regulated rectifier circuit. G. C. Sziklai and R. R. Thalner. 2,435,414, Feb. 3.
- Voltage regulating transformer. A. H. B. Walker. 2,444,715, July 6.
- Voltage regulation. W. H. Bixby. 2,435,572-3, Feb. 10.
- Voltage regulation. J. A. Potter. 2,453,263, Nov. 9.
- Voltage regulator. W. R. Carter. 2,443,300, June 15.
- Voltage regulator. G. W. Cook. 2,440,246, Apr. 27.
- Voltage regulator. L. L. Johnson. 2,443,006, June 8.
- Voltage regulator. C. N. Keller. 2,455,935, Dec. 14.
- Voltage regulator. J. F. Kovalsky. 2,434,569, Jan. 13.
- Voltage regulator. W. S. Master and E. Engelman. 2,450,012, Sept. 28.
- Voltage regulator. H. M. Neustadt. 2,443,541, June 15.
- Voltage regulator. S. Saretzky. 2,437,837, Mar. 16.
- Voltage regulator circuit. A. H. Schooley. 2,444,472, July 6.
- Voltage regulator system. F. L. Moseley. 2,453,451, Nov. 9.
- Voltage stabilizing system. J. A. Uttal and T. T. Short. 2,444,794, July 6.
- Voltage stabilizing transformer. L. J. Gburski. 2,434,493, Jan. 13.
- Voltage system of motor control, Variable. J. E. Jones and O. P. Proudfoot. 2,441,271, May 11.
- Volt-ampere meter. H. C. Wendt. 2,439,835, Apr. 20.
- Volt-ampere regulating arrangements for parallel-connected alternating current sources, Power and reactive. H. Bany. 2,435,419, Feb. 3.
- Voltmeter, Electronic. J. M. van Beuren. 2,452,880, Nov. 2.
- Voltmeter, Vacuum tube. W. H. Bussey. 2,436,741, Feb. 24.
- Volume control. E. G. Lodge. 2,437,166, Mar. 2.
- Volume control and switch, Shielded. E. W. Rosenreter. 2,451,241, Oct. 12.
- Volume control means, Automatic. M. Katzin. 2,441,577, May 18.
- Vortex flow by pressure waves, Control of. E. N. Fales. 2,448,966, Sept. 7.
- Vote indicating system. L. F. Crabtree. 2,439,041, Apr. 6.
- Voting machine. A. N. Gustavson. 2,437,521, Mar. 9.
- Vulcanizable copolymers of a vinyl aryl compound, butadiene, and vinyl ethers. G. F. D'Alelio. 2,437,420, Mar. 9.
- Vulcanizable copolymers of acrylonitrile, butadiene, and vinyl ethers. G. F. D'Alelio. 2,437,421, Mar. 9.
- Vulcanization. R. C. Bascom. 2,452,347, Oct. 26.
- Vulcanization accelerator. E. L. Carr and G. E. P. Smith, Jr. 2,445,722, July 20.
- Vulcanization accelerator. G. E. P. Smith, Jr. 2,445,724, July 20.
- Vulcanization of chloroprene elastomers in the presence of dinitrosobenzene and catechol. R. H. Walsh. 2,444,546, July 6.
- Vulcanization of rubber, Inhibiting premature. A. W. Campbell. 2,440,893, May 4.
- Vulcanized filled rubber grinding wheel. F. W. Feiler. 2,446,817, Aug. 10.
- Vulcanizer. H. L. Baker. 2,445,054, July 13.
- Vulcanizer. L. J., G. A. Larkin, and J. J. Regan. 2,439,011, Apr. 6.
- Vulcanizer, Tire casing. V. F. Ostler. 2,438,677, Mar. 30.
- Vulcanizing. W. H. Van Buren. 2,444,903, July 6.
- Vulcanizing apparatus. W. C. Wright, D. G. Rowe, Jr., and E. F. Roberts. 2,455,637, Dec. 7.
- Vulcanizing apparatus, Repair. H. T. Kraft. 2,442,499, June 1.
- Vulcanizing mold. T. P. Bacon, Jr. 2,440,321, Apr. 27.
- Vulcanizing saturated linear polymers and vulcanized products produced thereby. C. S. Fuller. 2,442,330, June 1.
- Wafer switch. D. P. Mossman, Sr. 2,438,617, Mar. 30.
- Wagon, Self-dumping farm. L. M. Meisenhelder. 2,436,443, Feb. 24.
- Wagon, Self-unloading feed. M. V. Hall. 2,439,541, Apr. 13.
- Wagon unloading device, Farm. G. J. Recker. 2,448,122, Aug. 31.
- Waistband, Adjustable. S. Kreps. 2,435,315, Feb. 3.
- Waistband construction. P. E. Fenton. 2,443,951, June 22.
- Walker, Baby. W. C. Troendle. 2,435,022, Jan. 27.
- Walking animal, Mechanical. F. A. Manfredi. 2,450,674, Oct. 5.
- Wall, Building. J. W. Staggers. 2,447,916, Aug. 24.
- Wall construction. R. E. Birdsall. 2,438,428, Mar. 23.
- Wall construction. F. E. Hunt. 2,451,220, Oct. 12.
- Wall construction, Panel. A. Elmendorf and M. Lief. 2,440,936, May 4.

- Wall covering and applying same. A. G. Ferguson. 2,450,786, Oct. 5.
- Wall covering, Decorated. A. E. Gessler, C. J. Rolle, and F. J. Tuttle. 2,441,961, May 25.
- Wall, Railway car end. A. F. O'Connor. 2,440,830, May 4.
- Wall structure, Prefabricated double. E. G. Stack. 2,448,926, Sept. 7.
- Wall vessel, Double. R. A. Gulick. 2,448,589, Sept. 7.
- Wallet and cigarette case, Combined. S. Hyman. 2,446,009, July 27.
- Wallet, Combination. H. M. Herbener. 2,456,830, Dec. 21.
- Walls, Covering. L. W. Holmes. 2,444,738, July 6.
- Warning device, Oxygen. E. V. Rupp. 2,450,446, Oct. 5.
- Warning device, Sound. B. L. J. F. Le Roux. 2,439,477, Apr. 13.
- Warning device, Truck. T. H. Dennis, Jr. 2,444,635, July 6.
- Warp beam compressor device. F. B. Javery. 2,444,775, July 6.
- Warp beam for looms. C. P. Bergstrom. 2,445,932, July 27.
- Warp drawing machine. R. P. Drake. 2,445,999, July 27.
- Warp-knitted fabric. M. Newman. 2,435,897, Feb. 10.
- Warp knitting machine. R. F. Eshleman. 2,441,189, May 11.
- Warp stop motion for looms, Electric. V. F. Sepavich and J. C. Manoog. 2,436,021, Feb. 17.
- Warp stop motion for looms, Electric. V. F. Sepavich and J. C. Manoog. 2,436,023, Feb. 17.
- Warp switch. B. E. Shaw. 2,446,307, Aug. 3.
- Warp tension attachment. G. K. Nicholas. 2,438,675, Mar. 30.
- Warping device for hand looms, Hand. P. Florjancic and E. Boral. 2,447,402, Aug. 17.
- Washboard attachment for washing machine agitators. T. L. and T. J. Kirkland. 2,447,755, Aug. 24.
- Wash box. Olav M. Tweit. Re. 23,048, Nov. 9.
- Washcloth and pad holder for the bath. P. C. Hartman. 2,456,782, Dec. 21.
- Wash resistant filter media. H. L. Davis and L. R. B. Hervey. 2,437,082, Mar. 2.
- Washer: See—
 Auto parts washer. Photoprint washer.
 Diaper washer. Valve washer.
 Nail sealing washer.
- Washer and tester, Well. W. H. Coons. 2,449,642, Sept. 21.
- Washer assembly unit. R. S. and K. Doerr. 2,444,595, July 6.
- Washer, Barrel. G. L. Hurst. 2,454,924, Nov. 30.
- Washer for articles or the like. J. J. Palotsee. 2,437,968, Mar. 16.
- Washer, Sealing. G. H. Dowty. 2,455,982, Dec. 14.
- Washing and drying machine, Combination. O. C. and H. Zahn. 2,441,926, May 18.
- Washing and drying machine, Dish. S. J. and S. R. Brown. 2,445,707, July 20.
- Washing apparatus for bottle washers. C. L. Trier and J. W. Fogg. 2,440,419, Apr. 27.
- Washing apparatus having a water-softening mechanism controlled therewith. H. E. Edwards. 2,434,352, Jan. 13.
- Washing apparatus having an automatically cycled regenerative water-softening system. H. E. Edwards. 2,434,353, Jan. 13.
- Washing implement, Clothes. C. V. Berry. 2,444,491, July 6.
- Washing machine. C. D. Cathey and J. E. Miller. 2,453,620, Nov. 9.
- Washing machine. J. B. Leonard. 2,457,572, Dec. 28.
- Washing machine, Automatic. H. Baade. 2,449,634, Sept. 21.
- Washing machine, Automatic. G. C. Graham. 2,453,707, Nov. 16.
- Washing machine, Clothes. J. G. Becker. 2,437,636, Mar. 9.
- Washing machine, Clothes. D. K. Ferris. 2,446,750, Aug. 10.
- Washing machine, Clothes. J. T. Siefert. 2,441,723, May 18.
- Washing machine, Container. W. F. Fischer. 2,444,925, July 13.
- Washing machine conveyer. H. A. Thurn. 2,445,371, July 20.
- Washing machine cylinder and closure means therefor. L. M. Harvey. 2,444,603, July 6.
- Washing machine drive. J. Oakley. 2,444,021, June 22.
- Washing machine package. L. R. Cooper. 2,442,844, June 8.
- Washing machine, Plural compartment tumbler type. N. S. McEwen. 2,434,468, Jan. 13.
- Washing machine, Produce. L. H., L. H., Jr., and J. D. Platt. 2,453,457, Nov. 9.
- Washing machine tubs, Production of. M. Thell and B. A. Woina. 2,455,828, Dec. 7.
- Washing machine with divided container and axial inlet. A. Miller. 2,437,169, Mar. 2.
- Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. H. C. Ellis. Re. 23,065, Dec. 21.
- Washing machine with pivotally supported outer and inner shells and power means on the outer shell for rotating the inner shell. H. C. Ellis. 2,436,883, Mar. 2.
- Washing machine, Wobble basket. J. A. Eastes. 2,438,273, Mar. 23.
- Waste iron sulfate solution recovery. H. E. Broughton. 2,452,517, Oct. 26.
- Waste machine. C. P. Smith and J. R. Pangle. 2,436,338, Feb. 17.
- Waste receptacle. J. H. Solomon. 2,435,105, Jan. 27.
- Waste sulfite liquor, Treatment of. K. H. A. Melander, G. E. Sävö, and T. I. Johanson. 2,445,838, July 27.
- Waste sulfite liquor with recovery of sulfur dioxide, Concentrating. L. R. Beath and H. S. Hill. 2,453,775, Nov. 16.
- Watch band, Adjustable. B. W. Myer, Sr. 2,455,796, Dec. 7.
- Watch band, Flexible. A. Benjamin. 2,434,383, Jan. 13.
- Watchcase and replaceable strap therefor. K. Plepla. 2,443,477, June 15.
- Watchcase, Watertight. E. Morf. 2,446,603, Aug. 10.
- Watch mounting. K. M. Wheelock. 2,442,912, June 8.
- Watch regulator mechanism. F. L. Semon. 2,441,847, May 18.
- Watch stem-winding and -setting mechanism. J. C. Burgbacher. 2,434,390, Jan. 13.
- Watch timing apparatus. J. L'Eplattenier. 2,445,916, July 27.
- Water- and weatherproofing construction of casings for binoculars. P. H. Case. 2,454,859, Nov. 30.
- Water atomizing arrangement. L. Schott. 2,448,472, Aug. 31.
- Water bag bracket. F. Rogers. 2,447,771, Aug. 24.
- Water barrier. F. J. Churnell. 2,457,128, Dec. 28.
- Watch bezel. L. Berstell. 2,453,616, Nov. 9.
- Water closet for house trailers, mobile residences, buses, and the like. C. M. Rice. 2,435,845, Feb. 10.
- Water, Conditioning. L. O. Gunderson. 2,442,768, June 8.
- Water-cooling tower, Mechanical draft. J. G. De Flon and G. W. Meyer. 2,445,908, July 27.
- Water correction device, Electrolytic. E. M. Butler. 2,451,064-6, Oct. 12.
- Water correction device for insertion in circulatory systems, Electrolytic. E. M. Butler. 2,451,068, Oct. 12.
- Water correction device, Self-energizing electrolytic. E. M. Butler. 2,451,067, Oct. 12.
- Water detector for oil wells. R. S. Hunt. 2,439,542, Apr. 13.
- Water dispersible coating vehicle. G. E. Eilerman. 2,455,743, Dec. 7.
- Water fountain for poultry. W. G. Armstrong. 2,455,211, Nov. 30.
- Water gauge. C. M. Angel and R. A. Culbertson. 2,450,267, Sept. 28.
- Water heater. T. C. Fife. 2,455,988, Dec. 14.
- Water heater. C. M. Osterheld. 2,456,143-4, Dec. 14.
- Water heater. C. M. Osterheld. 2,457,596-7, Dec. 28.
- Water heater. A. H. Trageser. 2,448,128, Aug. 31.
- Water injection system for aircraft. M. Bergman. 2,439,379, Apr. 13.
- Water jacketed and ventilated horse. S. R. Johnson and R. M. Mero. 2,455,774, Dec. 7.
- Water processing apparatus, Galvanic. T. C. Jones. 2,449,706, Sept. 21.
- Waterproof bag. W. J. Geimer. 2,435,743, Feb. 10.
- Waterproof hosiery protector. E. Wheaton. 2,438,308, Mar. 23.
- Water purifier. D. H. Quinn. 2,434,958, Jan. 27.
- Water-repellency composition, Solid. C. T. Rood. 2,456,595, Dec. 14.
- Water repellent, Rendering glass. J. F. Hyde. 2,439,689, Apr. 13.
- Water saver. W. M. Anderson, Sr. 2,440,389, Apr. 27.
- Water service apparatus. J. T. McGarry. 2,438,815, Mar. 30.
- Water service system for railway yards. W. F. Zabriskie and H. Post. 2,445,414, July 20.
- Water shutoff for oil wells. C. E. Ashton. 2,448,205, Aug. 31.
- Water softener, Automatic. A. L. Riche. 2,435,366, Feb. 3.
- Water still with deaerator. H. C. Davis and W. H. Thompson. 2,445,907, July 27.
- Water strainer, Automatic. W. H. Zollinger. 2,441,526, May 11.
- Water surfaces of oil, Clearing. W. A. Zisman and L. Pickett. 2,447,551, Aug. 24.
- Water system, Air pressure. S. O. Carlson. 2,450,781, Oct. 5.
- Water system, Hot and cold. J. A. Hill. 2,434,928, Jan. 27.
- Water temperature, Method and apparatus for regulating. J. A. Victoreen. 2,456,094, Dec. 14.
- Watertight door. W. G. Wilson. 2,440,764, May 4.
- Water, Treating. W. B. Leaf. 2,447,511, Aug. 24.
- Water treating apparatus. J. D. Walker. 2,439,764, Apr. 13.
- Water, Treating fish press. J. K. Gunther and L. Sair. 2,454,315, Nov. 23.
- Water treating system comprising a sedimentation tank having a reagent line and withdrawing sludge from said tank and adding it to said line. A. H. Hallier, G. F. Harris, W. C. Kincaid, E. R. Denson, and R. H. Davis. 2,442,809, June 8.

- Water treatment to prevent embrittlement cracking. W. C. Schroeder and A. A. Berk. 2,454,258, Nov. 16.
- Water vehicle. E. W. Berger. 2,438,493, Mar. 30.
- Wattmeter circuit. E. W. Houghton. 2,449,072, Sept. 14.
- Wattmeter, High radio frequency. P. J. Ovrebø. 2,448,044, Aug. 31.
- Wattmeter, Super high frequency. J. Evans. 2,451,724, Oct. 19.
- Wave correction means and method, Seismic. R. G. Piety. 2,450,352, Sept. 28.
- Wave filter for pneumatic hand tools, Acoustical. G. V. A. Malmros. 2,453,240, Nov. 9.
- Wave generating system. M. Artzt. 2,454,367, Nov. 23.
- Wave generating system. A. Preisman. 2,457,176, Dec. 28.
- Wave generating system. C. G. Sontheimer. 2,452,213, Oct. 28.
- Wave generator. M. Cawein. 2,440,895, May 4.
- Wave guide bend. A. G. Fox. 2,434,645, Jan. 20.
- Wave guide branching arrangement. A. G. Fox. 2,434,646, Jan. 20.
- Wave guide discharge tube socket assembly. J. M. Laferty. 2,443,917, June 22.
- Wave guide mode transformer. R. E. Clapp. 2,439,285, Apr. 6.
- Wave guide repeater. A. E. Bowen. 2,457,524, Dec. 28.
- Wave-guide system. H. A. Wheeler. 2,438,795, Mar. 30.
- Wave length modulation. G. L. Usselman. 2,435,808, Feb. 10.
- Wave length modulation. G. L. Usselman. 2,437,923, Mar. 16.
- Wave meter. A. E. Harrison. 2,444,041, June 29.
- Wave meter. C. Paulson. 2,439,527, Apr. 13.
- Wavemeter, Dielectrically tuned. C. G. Sontheimer. 2,449,182, Sept. 14.
- Wave modifying apparatus, Modulated. R. H. Varian. 2,455,393, Dec. 7.
- Wave modifying device. J. C. Schelleng. 2,443,643, June 22.
- Wave pump. N. M. Lewis. 2,436,517, Feb. 24.
- Wave-signal space-communication set, Portable two-way. D. H. Mitchell. 2,439,411, Apr. 13.
- Wave-signal translating system. H. L. Blaisdell. 2,444,721, July 6.
- Wave-signal translating system. B. D. Loughlin. 2,444,741, July 6.
- Wave-signal translating system. M. K. Taylor and I. N. Vaughn-Jones. 2,447,375, Aug. 17.
- Wave translating apparatus. D. H. Ring. 2,457,601, Dec. 28.
- Wave translating device. R. S. Ohl. 2,444,060, June 29.
- Wave translating device, Compressional. W. D. Goodale, Jr., and T. J. Pope. 2,434,648, Jan. 20.
- Wave translating device, Compressional. R. L. Peek, Jr. 2,434,285, Jan. 13.
- Wave translating system. R. W. Ketchledge. 2,434,273, Jan. 13.
- Wave transmission. A. G. Fox. 2,438,119, Mar. 23.
- Wave transmission. S. D. Robertson. 2,441,598, May 18.
- Wave transmission, Ultrasonic compressional. H. B. Briggs, J. B. Johnson, and W. P. Mason. 2,436,377, Feb. 24.
- Wave transmitting and receiving device, Compressional. B. R. Hubbard. 2,452,570, Nov. 2.
- Wax acids separation process. F. G. Hess. 2,435,542, Feb. 3.
- Wax-oil separation with dehydration of solvent therefor. C. H. O. Berg. 2,443,532, June 15.
- Wax production. O. J. Swenson. 2,456,655-6, Dec. 21.
- Wax production, Cane. E. A. Wilder. 2,456,661, Dec. 21.
- Wax, Refining of. P. L. Pollizzotto and P. S. Backlund. 2,453,933, Nov. 16.
- Wax refining, Sugar cane. E. S. McLoud. 2,456,641, Dec. 21.
- Wax resin compositions and conductors insulated therewith. G. J. Bohrer. 2,443,887, June 22.
- Wax treatment of uncured rubber goods. F. H. Bunn. 2,457,641, Dec. 28.
- Waxes and preparing the same, Synthetic. G. J. Bohrer. 2,443,888, June 22.
- Waxing and polishing means, Floor. J. Gordon. 2,447,172, Aug. 17.
- Waxing machine, Bobbin. D. Marinsky and L. H. Morin. 2,447,351, Aug. 17.
- Weapon, Hand combat. J. Di Veglia. 2,441,475, May 11.
- Wear accessory. P. Marx and A. Abraham. 2,454,076, Nov. 16.
- Wear plate for shot blast machines. M. Dyblec. 2,442,678, June 1.
- Wearing apparel having permanent creases therein. H. Meyer. 2,449,534, Sept. 14.
- Weather data transmitting station unit, Automatic. J. M. Brady. 2,441,133, May 11.
- Weather-forecast apparatus. J. Ingenhof. 2,435,785, Feb. 10.
- Weather resistant steel and articles. R. Franks. 2,435,624, Feb. 10.
- Weather station, Automatic. G. S. Miles. 2,444,106, June 29.
- Weather strip. L. Spragen. 2,451,450, Oct. 12.
- Weathering testing device. R. Davie. 2,442,759, June 8.
- Weaving frame. A. C. Ferguson. 2,451,207, Oct. 12.
- Weaving loom having a continuous weft supply. R. Dewas. 2,441,802, May 18.
- Weaving machine. G. E. Ezbelent. 2,454,146, Nov. 16.
- Weaving, Method of and apparatus for. E. F. Clark. 2,437,378, Mar. 9.
- Web associating mechanism. R. J. Williams. 2,445,703, July 20.
- Web cutter. B. A. Hannewald and H. D. Reimer. 2,445,174, July 13.
- Web cutting mechanism. P. L. Tollison. 2,450,312, Sept. 28.
- Web drier with zig-zag runs. A. Rancourt. 2,435,408, Feb. 3.
- Web guiding apparatus. W. T. Stanford. 2,434,128, Jan. 6.
- Web guiding device, particularly for tenting frames. A. Kinzle. 2,451,343, Oct. 12.
- Web handling means for bread wrapping machines. C. H. Petskeyes. 2,443,011, June 8.
- Web letoff mechanism. B. Plunkett and G. Fama. 2,446,104, July 27.
- Web roll support. C. H. Petskeyes. 2,445,080, July 13.
- Web splicing device. O. C. Roosen. 2,454,093, Nov. 16.
- Web tension equalizing device. G. J. Crocker. 2,454,863, Nov. 30.
- Webbing, Ladder. G. F. French. Re. 22,959, Jan. 6.
- Wedge actuator attachment for journal boxes. J. L. Gosnell. 2,454,445, Nov. 23.
- Wedge, Headlock. R. W. Rodgers. 2,457,602, Dec. 28.
- Wedge type bracket. R. R. Rundell. 2,443,149, June 8.
- Weed burner. H. E. Woolery. 2,452,411, Oct. 26.
- Weed burning apparatus. H. E. Woolery. 2,454,365, Nov. 23.
- Weed cutter and holder. J. M. Lamb. 2,443,828, June 22.
- Weed extractor. B. L. Hulsebus. 2,451,952, Oct. 19.
- Weed puller. L. F. Kramer. 2,437,393, Mar. 9.
- Weed puller. C. E. Krupp and W. R. Peterson. 2,448,445, Apr. 31.
- Weeder. R. L. Anderson. 2,436,500, Feb. 24.
- Weeder attachment for cultivators and the like. H. G. and B. G. Bybee. 2,446,259, Aug. 3.
- Weeder, Tubular hand garden. E. E. Moore. 2,439,524, Apr. 13.
- Weedless fishing plug. L. D. St. John. 2,445,461, July 20.
- Weeds, Prevention and destruction of. W. A. Sexton. 2,444,905, July 13.
- Weeds, Prevention and destruction of. W. A. Sexton, R. E. Slade, and W. G. Templeman. 2,453,983, Nov. 16.
- Weft cutter on multishuttle box looms. C. Fiorina. 2,445,024, July 13.
- Weft detecting system for convertible looms. R. F. Dion and W. H. Wakefield. 2,446,747, Aug. 10.
- Weft detecting system for looms, Electric. V. F. Sepavich. 2,445,641, July 20.
- Weighing apparatus. P. B. Richardson. 2,434,177, Jan. 6.
- Weighing apparatus, Elevator load. O. A. Krauer. 2,439,608, Apr. 13.
- Weighing machine, Automatic. A. O. Siler. 2,442,907, June 8.
- Weighing machine, Power lift material. P. D. Hudson. 2,450,281, Sept. 28.
- Weighing system. M. C. Tate. 2,451,451, Oct. 12.
- Weight, Balance. H. J. Kalajian. 2,442,171, May 25.
- Weight box and guide for elevator gates and the like, Combination. N. R. Guilbert, Sr. 2,435,779, Feb. 10.
- Weighting motion for drafting rollers. J. Schofield, Jr. 2,437,562, Mar. 9.
- Weld control, Method of and apparatus for. H. D. van Seiver. 2,433,967, Jan. 6.
- Weld-control system. E. M. Callender. 2,433,827, Jan. 6.
- Weld indicating and control apparatus. J. P. Tarbox and E. M. Callender. 2,433,964, Jan. 6.
- Weld testing apparatus. J. P. Tarbox and E. M. Callender. 2,433,963, Jan. 6.
- Welded joint. W. H. Odium. 2,447,085, Aug. 17.
- Welded joints, Producing. T. E. Kihlgren and C. E. Lacy. 2,445,951, July 27.
- Welder, Alternating current vertical. E. A. Hobart and R. T. Flora. 2,457,372, Dec. 28.
- Welder construction, Flash. M. M. Seeloff. 2,439,783, Apr. 13.
- Welder for wire mesh fabrics. C. C. Wickwire. 2,455,346, Nov. 30.
- Welder, Portable manual electric spot. A. C. Mulder. 2,441,438, May 11.
- Welder, Portable roller. W. A. Weightman. 2,439,834, Apr. 20.
- Welder, Portable roller. W. A. Weightman. 2,439,915, Apr. 20.
- Welder tip, Spot. E. Crabtree. 2,442,798, June 8.
- Welder with indexing finger control, Electrical resistance. R. M. Glantzer. 2,446,648, Aug. 10.
- Welders, Control of flash butt. M. M. Seeloff. 2,443,965, June 22.
- Welding. G. J. Kleiner and W. Schumbacker. 2,434,321, Jan. 13.
- Welding apparatus. M. W. Ambrose. 2,435,815, Feb. 10.
- Welding apparatus. J. J. Black. 2,441,748, May 18.
- Welding apparatus. S. M. Humphrey. 2,436,863, Mar. 2.
- Welding apparatus. F. H. Johnson. 2,446,932, Aug. 10.
- Welding apparatus. D. Sciaky. 2,455,526, Dec. 7.
- Welding apparatus. F. R. Woodward. 2,452,009-10, Oct. 19.
- Welding apparatus, Electric. K. V. Hart. 2,455,057, Nov. 30.

- Welding apparatus, Electric. W. S. Horth. 2,453,438, Nov. 9.
- Welding apparatus, Gas-arc. R. W. Cobean. 2,444,767, July 6.
- Welding apparatus, Spot. W. H. Dailey, Jr. 2,455,564, Dec. 7.
- Welding control system. J. L. Ashford and W. A. Billings. 2,438,490, Mar. 30.
- Welding control system. F. A. Barnes. 2,435,026, Jan. 27.
- Welding device. E. O. Courtemanche. 2,434,351, Jan. 13.
- Welding device. H. J. van den Berge and H. P. Hubee. 2,453,950, Nov. 16.
- Welding device, Electric. R. F. Zimmerman. 2,442,448, June 1.
- Welding electrode holder. H. J. Hecht. 2,444,565, July 6.
- Welding electrode holder. E. W. Huebner. 2,453,320, Nov. 9.
- Welding electrode holder. J. L. King. 2,452,199, Oct. 26.
- Welding electrode holder. M. M. Seeloff. 2,443,966, June 22.
- Welding electrode holder. E. Siemens. 2,454,617, Nov. 23.
- Welding electrode holder. W. Tinnell. 2,453,768, Nov. 16.
- Welding electrode, Resistance. Le R. Deitz and I. W. Johnson. 2,436,205, Feb. 17.
- Welding flux. K. H. Koopman. 2,444,994, July 13.
- Welding generator. J. M. Tyrner. 2,441,652, May 18.
- Welding gun, Stud. F. W. Anderson. 2,451,190, Oct. 12.
- Welding, Indentation-free. M. Watter. 2,445,747, July 20.
- Welding line reel switch. J. D. Burns. 2,453,407, Nov. 9.
- Welding machine. H. Kershaw. 2,441,886, May 18.
- Welding machine. E. A. Mallett. 2,443,771, June 22.
- Welding machine. W. H. Martin. 2,443,077, June 8.
- Welding machine, Dental. N. Crombach. 2,448,865, Sept. 7.
- Welding machine, Pressure. P. W. Vallée. 2,435,702, Feb. 10.
- Welding mechanism. C. F. Leathers. 2,449,707, Sept. 21.
- Welding mechanism. J. M. Patterson. 2,440,696, May 4.
- Welding metal bodies by high-frequency electric heating of dielectric material therebetween. I. M. Diller. 2,438,155, Mar. 23.
- Welding method and apparatus. B. W. Wright. 2,438,593, Mar. 30.
- Welding pressure roll assembly for electric weld tube mills, Multiple. C. J. Honen. 2,452,303, Oct. 26.
- Welding rod. E. M. Kennedy. 2,442,087, May 25.
- Welding rod. R. K. Lee. 2,436,867, Mar. 2.
- Welding rod. D. L. Mathias. 2,435,504, Feb. 3.
- Welding rod and electrode holder. H. Shaw. 2,452,876, Nov. 2.
- Welding rod feeder. P. H. Setzler. 2,449,677, Sept. 21.
- Welding rod holder. P. Brown. 2,438,990, Apr. 6.
- Welding rod holder. A. W. McClary. 2,448,994, Sept. 7.
- Welding rod holder. F. Nichols. 2,441,589, May 18.
- Welding rod holder. R. R. Reddick. 2,437,652, Mar. 9.
- Welding, Submerged melt. R. V. Anderson. 2,434,481, Jan. 13.
- Welding system. J. W. Dawson. 2,440,247, Apr. 27.
- Welding system. H. Klemperer. 2,451,496, Oct. 19.
- Welding system. R. L. Ringer, Jr., and C. E. Smith. 2,450,614, Oct. 5.
- Welding system, Arc. R. A. Millholland and W. F. Sully. 2,447,955, Aug. 24.
- Welding system, Capacitor discharge. E. M. Callender. 2,440,892, May 4.
- Welding tool. K. E. Anderson. 2,441,551, May 18.
- Welding transformer. J. D. Forney. 2,449,649, Sept. 21.
- Welding wire-mesh fabrics, Art of. C. C. Wickwire. 2,451,423, Oct. 12.
- Well cementing apparatus. R. O. Childers. 2,438,992, Apr. 6.
- Well cementing method. W. J. Travers, Jr. 2,447,217, Aug. 17.
- Well conditioning apparatus. M. Schlumberger. 2,457,277, Dec. 28.
- Well cylinder valve puller. C. Conley. 2,455,736, Dec. 7.
- Well drilling mud and process. G. B. Tjoflat. 2,445,893, July 27.
- Well flow device. R. O. Walton. 2,446,680, Aug. 10.
- Well head connections, Sealing and testing. R. N. Bean. 2,443,944, June 22.
- Well logging. A. Frosch. 2,436,563, Feb. 24.
- Well logging apparatus. J. E. Owen. 2,446,303, Aug. 3.
- Well logging, Delayed. J. Y. Cleveland. 2,436,503, Feb. 24.
- Well reaming apparatus. W. R. Barbour. 2,450,223, Sept. 28.
- Well swab. R. A. Wilson. 2,456,551, Dec. 14.
- Well tool. T. E. McMahan. 2,438,673, Mar. 30.
- Well treating apparatus. J. G. Burch. 2,455,556, Dec. 7.
- Wells, Cementing. N. D. Coggeshall. 2,451,472, Oct. 19.
- Wells, Completing. A. J. Tepitz. 2,451,520, Oct. 19.
- Wells, Plugging. C. R. Wagner. 2,439,833, Apr. 20.
- Welt hold-down. C. K. Woodman. 2,444,969, July 13.
- Welt, Preformed. W. C. Wright. 2,448,165, Aug. 31.
- Wheat starch, Conversion of. J. F. Walsh, D. M. Levitt, and A. H. Goodman. 2,442,789, June 8.
- Wheel: See—
- Abrasive wheel.
- Automobile and airplane wheel.
- Buffing wheel.
- Carpenter's layout wheel.
- Combination cast and stamped wheel.
- Current wheel.
- Cutoff wheel.
- Detachable sprocket wheel.
- Disk plow and caster wheel.
- Emergency wheel.
- Global wheel.
- Grinding wheel.
- Laminated abrasive wheel.
- Wheel. C. S. Ash. 2,439,881, Apr. 20.
- Wheel. C. L. Eksbergian, R. B. Temple, and E. P. Hawthorne. 2,438,966, Apr. 6.
- Wheel. F. C. Frank. 2,439,926, Apr. 20.
- Wheel. F. H. Le Jeune. 2,440,862, May 4.
- Wheel aligning stand. A. G. Horton. 2,445,397, July 20.
- Wheel and axle construction. H. B. Ledford. 2,439,012, Apr. 6.
- Wheel and brake drum organization. R. B. Temple. 2,457,416, Dec. 28.
- Wheel and tire locking device. G. H. Duvall, Jr. 2,453,746, Nov. 16.
- Wheel assembly, Car. K. A. Huldtt. 2,452,659, Nov. 2.
- Wheel assembly, Fifth. R. W. Pointer. 2,449,749, Sept. 21.
- Wheelbarrow, Rocking chair. K. L. Seay. 2,442,552, June 1.
- Wheelbarrow, Self-dumping. J. L. Gokey. 2,448,216, Aug. 31.
- Wheel carrying sprockets in vehicle chain drives, Mechanism for adjusting. T. Carroll. 2,443,723, June 22.
- Wheel chair. F. E. Wood. 2,452,886, Nov. 2.
- Wheel construction. S. Hendrickson. 2,439,340, Apr. 6.
- Wheel construction. E. O. Lonze. 2,434,501, Jan. 13.
- Wheel construction. W. G. Toland. 2,450,100, Sept. 28.
- Wheel construction, Dual. V. G. and E. V. Garnett. 2,446,699, Aug. 10.
- Wheel cover. T. P. Chase. 2,441,008, May 4.
- Wheel cover. G. A. Lyon. 2,433,854-5, Jan. 6.
- Wheel cover. G. A. Lyon. 2,440,638, Apr. 27.
- Wheel cover. G. A. Lyon. 2,443,625-7, June 22.
- Wheel cover. G. A. Lyon. 2,444,051, June 29.
- Wheel cover. G. A. Lyon. 2,447,515-16, Aug. 24.
- Wheel cover. G. A. Lyon. 2,448,536-7, Sept. 7.
- Wheel device, Rotary screw. A. Lysholm. 2,457,314, Dec. 28.
- Wheel dresser, Grinding. G. Munro. 2,435,234, Feb. 3.
- Wheel dressing machine, Compensating abrasive. G. F. Eglinton and D. J. Woodworth. 2,449,372, Sept. 14.
- Wheel dressing mechanism. J. G. Harper and C. W. Hopkins. 2,447,503, Aug. 24.
- Wheel-dressing tool. J. Bakker. 2,443,370, June 15.
- Wheel drive and control for tool carriages, Electric motor powered. R. W. and C. L. Reid. 2,456,444, Dec. 14.
- Wheel drive control, Handle bar tractor. G. Melting. 2,453,999, Nov. 16.
- Wheel drive, Flexible. H. L. Cottingham. 2,456,865, Dec. 21.
- Wheel drive for trenchers, Digging. R. N. Bennett. 2,451,315, Oct. 12.
- Wheel feeding mechanism, Hydraulically operated. C. G. Flygare and C. G. Alvord. 2,448,874, Sept. 7.
- Wheel for agricultural vehicles, Running. G. Hintze. 2,435,783, Feb. 10.
- Wheel for looms, Hand. A. C. Krukoni. 2,448,811, Sept. 7.
- Wheel for vehicles, Resilient. J. D. Garcia. 2,435,625, Feb. 10.
- Wheel for vehicles, Track. O. Singer. 2,437,407, Mar. 9.
- Wheel for vehicles, Track. O. Singer. 2,440,417, Apr. 27.
- Wheel gauge for vehicles. B. Castiglia. 2,438,353, Mar. 23.
- Wheel mechanism, Tail. D. M. Leitch. 2,454,658, Nov. 23.
- Wheel mount for carpet sweepers. B. Thiele. 2,436,460, Feb. 24.
- Wheel mounting. S. Evans. 2,443,900, June 22.
- Wheel mounting holder. W. E. Schultz. 2,455,953, Dec. 14.
- Wheel mounting on a vehicle axle, Steerable dual. D. E. Austin. 2,444,025, June 29.
- Wheel operating means for airplanes. O. A. Brandt and F. G. Ellingsen. 2,454,627, Nov. 23.
- Wheel or roller assembly. G. A. Gurley. 2,443,982, June 22.
- Wheel plate, Dolly. J. L. Brock. 2,450,539, Oct. 5.
- Wheel scraper. N. A. Paluck. 2,454,002, Nov. 16.
- Wheel slip prevention mechanism for locomotives. C. K. Steins. 2,440,124, Apr. 20.
- Wheel springing element. E. H. Piron. 2,439,906, Apr. 20.
- Wheel starter. J. F. Schroeder. 2,454,947, Nov. 30.
- Wheel stop. S. W. Hayes. 2,441,193, May 11.
- Wheel structure. G. A. Lyon. 2,440,804, May 4.
- Wheel structure. G. A. Lyon. 2,444,053, June 29.
- Wheel structure. G. A. Lyon. 2,445,330, July 20.

- Wheel structure, Adjustable. A. W. Braun. 2,454,130, Nov. 16.
- Wheel support. J. A. Laclair. 2,441,638, May 18.
- Wheel supporting structure. W. D. Allison. 2,435,814, Feb. 10.
- Wheel suspension. N. E. Wahlberg and G. V. Hedstrom. 2,437,844, Mar. 16.
- Wheel suspension for tracklaying vehicles, Dual. J. J. Gordon, Jr., and F. L. Haushalter. 2,442,354, June 1.
- Wheel suspension, Vehicle torsion bar individual. H. C. McCaslin. 2,457,583, Dec. 28.
- Wheel traction device. S. Freed. 2,453,426, Nov. 9.
- Wheel trim. E. L. Wood. 2,455,151, Nov. 30.
- Wheel trim ring. G. A. Lyon. 2,444,052, June 29.
- Wheel truing device. F. C. Victory and J. R. Moore. 2,452,509, Oct. 26.
- Wheel truing device, Crush-type grinding. L. F. Polk. 2,446,105, July 27.
- Wheels, Ascertaining actual positioning of automobile. C. I. Fields. 2,434,205, Jan. 6.
- Wheels, Forming and dressing grinding. J. E. Wainwright. 2,442,627, June 1.
- Wheels, Making abrasive cutoff. H. V. Allison. 2,457,516, Dec. 28.
- Wheels, Making sparking. C. A. Barstow. 2,455,348, Dec. 7.
- Whey, Fermenting. E. R. Engle. 2,449,064, Sept. 14.
- Whipper, Cream. E. C. Brull. 2,444,897, July 6.
- Whistle. R. Y. Grant, Jr. 2,437,024, Mar. 2.
- Whistle, Multitone. J. Thompson. 2,454,105, Nov. 16.
- Wig construction. S. J. Goldman. 2,438,005, Mar. 16.
- Winch, Anchor control. D. E. Rice. 2,442,211, May 25.
- Winch and the like. F. Gaye. 2,452,297, Oct. 26.
- Winch, Cable. O. R. and R. A. Peterson. 2,442,510, June 1.
- Winch for towing and the like. A. A. Johnson. 2,436,752, Feb. 24.
- Winch, Trawling. F. W. Rowe. 2,447,280, Aug. 17.
- Windbreaker for parked aircraft. C. E. Bogardus. 2,453,403, Nov. 9.
- Windmill. R. D. Bourne. 2,437,346, Mar. 9.
- Windmill. H. V. Iverson. 2,441,635, May 18.
- Windmill, Air power. D. B. Wood. 2,457,514, Dec. 28.
- Windrotor. S. R. Du Brie. 2,436,747, Feb. 24.
- Wind screen. G. D. Wyble. 2,437,062, Mar. 2.
- Windshield cleaner. S. W. Baldwin. 2,443,976, June 22.
- Windshield cover. R. S. Wyeth. 2,437,845, Mar. 16.
- Windshield structure for use in automotive vehicles employing ant glare light-polarizing illuminating and viewing means. C. J. T. Young. 2,440,133, Apr. 20.
- Windshield wiper. L. Zaiger. 2,449,357, Sept. 14.
- Windshield wiper arm attachment. I. Nesson. 2,443,113, June 8.
- Windshield wiper blade operating mechanism. P. L. Schneider and D. H. Dudderar. 2,452,496, Oct. 26.
- Windshield wiper, Heated. J. W. Childs. 2,443,849, June 22.
- Windshield wiper, Hydraulic. H. E. Rose. 2,446,611, Aug. 10.
- Windshield wiper mechanism. R. B. Bell. 2,455,725, Dec. 7.
- Windshield wiper motor. H. E. Perez. 2,455,089, Nov. 30.
- Windshield wiper motor with shaft operated snap action distributing valve plungers, Reciprocating expansible chamber. J. H. Galley and L. J. Carey. 2,450,653, Oct. 5.
- Winder. B. A. Peterson. 2,449,788, Sept. 21.
- Winder apparatus. J. R. Knoble. 2,449,234, Sept. 14.
- Winder, Automatic. W. Schweiter. 2,449,328, Sept. 14.
- Winder, Coil. A. W. Ferguson. 2,445,109, July 13.
- Winder, Spring. J. A. Gates. 2,446,755, Aug. 10.
- Winder, Yarn. A. E. Winslow. 2,449,682, Sept. 21.
- Winding and welding device, Wire. F. T. May and R. A. Rehberg. 2,451,169, Oct. 12.
- Winding apparatus. R. C. Pierce. 2,436,326, Feb. 17.
- Winding device for cinematograph films and other applications. A. M. B. Charlín. 2,437,997, Mar. 16.
- Winding element, Fluidproof. F. J. Sigmund and W. S. Hlavin. 2,457,740, Dec. 28.
- Winding for electrical apparatus. O. T. Farry. 2,441,804, May 18.
- Winding machine. R. M. Conklin. 2,452,733, Nov. 2.
- Winding machine. E. A. Conner. 2,437,725, Mar. 16.
- Winding machine. I. W. Day. 2,450,187, Sept. 28.
- Winding machine. J. W. Little. 2,443,986, June 22.
- Winding machine, Ball. H. N. Huse. 2,456,944, Dec. 21.
- Winding machine, Coil. D. E. Carpenter. 2,445,937, July 27.
- Winding machine, Helical coil butt ground. C. J. Terrell. 2,456,755, Dec. 21.
- Winding machine, Spring. A. Benjamin. 2,455,549, Dec. 7.
- Winding mechanism. A. J. Bradford. 2,436,418, Feb. 24.
- Winding mechanism. W. J. Elvin and E. R. Stahl. 2,443,231, June 15.
- Winding of yarn. G. L. Boyce. 2,451,468, Oct. 19.
- Window. R. W. Elisinger. 2,437,730, Mar. 16.
- Window, Air-locked. J. B. Liberty. 2,446,375, Aug. 3.
- Window air vane device. J. Wolf. 2,453,561, Nov. 9.
- Window and blind construction. K. W. Browning. 2,434,786, Jan. 20.
- Window assembly and latch therefor. Ventilating. G. M. Lane and H. G. Thunder. 2,445,954, July 27.
- Window assembly, Guarded. J. L. Mayer. 2,450,349, Sept. 28.
- Window bracket. H. E. Ammerman. 2,451,143, Oct. 12.
- Window blind and curtain rod holder. R. R. Ferrenberg. 2,449,597, Sept. 21.
- Window clamp. M. R. Olsen. 2,457,317, Dec. 28.
- Window cleaner. S. Ziskind. 2,446,401, Aug. 3.
- Window cleaning apparatus. S. D. Wilson. 2,435,862, Feb. 10.
- Window cleaning implement, Self-contained. E. R. Sensenbach and E. E. Shaver. 2,436,454, Feb. 24.
- Window closing attachment. H. A. Stukes. 2,441,230, May 11.
- Window construction. R. T. Axe. 2,449,361, Sept. 14.
- Window construction. H. J. Bader and W. C. Daniel. 2,455,462, Dec. 7.
- Window construction. E. Peremi and L. Toth, assignors, by mesne assignments, to Reconstruction Finance Corporation. Re. 23,045, Oct. 19.
- Window construction. C. J. Wagner. 2,452,815, Nov. 2.
- Window construction, Sliding and swinging. A. Hamelin. 2,444,225, June 29.
- Window construction, Swinging. C. G. Nachtrieb. 2,447,421, Aug. 17.
- Window cutting means for envelope machines. L. Hoffman and A. Dalmen. 2,445,831, July 27.
- Window, Double sash sliding and swinging. A. Hamelin. 2,444,226, June 29.
- Window fan. H. Morrison. 2,452,950, Nov. 2.
- Window for cooking range oven doors. M. F. Cotes. 2,438,270, Mar. 23.
- Window frame. H. A. Schiessl. 2,440,918, May 4.
- Window frame and sash. M. Garros. 2,452,119, Oct. 26.
- Window latch. G. A. Houseman. 2,452,377, Oct. 26.
- Window lift and fastener. A. Hoekstra. 2,448,977, Sept. 7.
- Window lock. F. C. Gorham. 2,456,780, Dec. 21.
- Window molding. P. H. Pelley. 2,454,975, Nov. 30.
- Window regulator for automobiles and the like. L. S. Greenmun. 2,448,796, Sept. 7.
- Window regulator mechanism. J. B. Parsons. 2,447,360, Aug. 17.
- Window sash construction. S. I. Baer. 2,455,642, Dec. 7.
- Window sash construction. S. Galuska. 2,439,726, Apr. 13.
- Window sash control. F. D. Grim. 2,439,046, Apr. 6.
- Window sash control. J. A. Swenson. 2,454,619, Nov. 23.
- Window screen. S. J. Gilson. 2,444,288, June 29.
- Window screen alarm. J. T. Dooley. 2,443,533, June 15.
- Window shade spring adjusting bracket. C. H. Wise. 2,448,481, Aug. 31.
- Window, Sliding. F. Mc M. Sawyer. 2,436,020, Feb. 17.
- Window stool air outlet. J. H. Van Alsburg. 2,446,356, Aug. 3.
- Window, Storm. F. J. Wilkinson. 2,449,264, Sept. 14.
- Window structure. F. F. Beil. 2,451,654, Oct. 19.
- Window structure. A. J. McLoughlin. 2,434,859, Jan. 20.
- Window structure, Awning type. S. C. Reynaud. 2,444,311, June 29.
- Window structures. E. P. Jones. 2,442,363, June 1.
- Window, Ventilating. W. Kiesewetter. 2,449,389, Sept. 14.
- Window ventilating and cleanout opening, Storm. H. A. Kaufmann. 2,435,008, Jan. 27.
- Window with revolving sash, Round. G. A. Brinson. 2,448,764, Sept. 7.
- Window device. C. W. Hansen and F. N. G. Kranick. 2,455,122, Nov. 30.
- Windower for balers, Automatic. H. L. Renken. 2,453,384, Nov. 9.
- Wing and stabilizer structure for gliders. L. J. Marhoefer. 2,433,999, Jan. 6.
- Wing and tail-plane elements of an airplane, Controlling the operation of. W. J. Hampshire. 2,448,712, Sept. 7.
- Wing flap actuating mechanism. E. Anderson. 2,434,341, Jan. 13.
- Wing folding arrangement for submersible aircraft. E. Briggs and H. C. Redding. 2,444,332, June 29.
- Wing lift control for aircraft. E. A. Stalker. 2,438,255, Mar. 23.
- Winglock slider for slide fasteners. L. L. Jones. 2,455,178, Nov. 30.
- Wing raising device for floating dry docks. W. H. Jameson and E. L. Durkee. 2,449,780, Sept. 21.
- Wiper assembly for step-by-step switches. V. F. Miller. 2,457,589, Dec. 28.
- Wiper, Oil gauge-line. M. H. Bow. 2,440,571, Apr. 27.
- Wiper or die for use in the coating of wires. H. C. Hoban. 2,438,700, Mar. 30.
- Wiping device for oil gauge rods. B. R. Kreider. 2,439,171, Apr. 6.
- Wire and strip electroprocessing machine, Continuous. C. G. Miller. 2,454,935, Nov. 30.
- Wire-bending machine. J. L. and W. C. Wolf. 2,456,353, Dec. 14.
- Wire connector. H. L. Gordon. 2,438,779, Mar. 30.
- Wire-contacting insulator assembly, Reinforced. R. Case. 2,437,593, Mar. 9.
- Wire core temples, Method and apparatus for molding. M. Albanese. 2,435,567, Feb. 10.
- Wire covering machine, method, and product. C. W. Bechle and J. W. Olson. 2,449,834, Sept. 21.
- Wire curling apparatus and method. F. D. Moran. 2,457,705, Dec. 28.

- Wire cutting and bending press. J. A. Shand. 2,450,920, Oct. 12.
- Wire-cutting apparatus. A. Wennerberg. 2,454,241, Nov. 16.
- Wire cutting machine. J. F. Hidzick. 2,441,541, May 11.
- Wire-cutting machine, Automatic. I. S. Ness and E. Motekewecz. 2,441,837, May 18.
- Wire distributing apparatus. J. W. Wiesmann. 2,445,197, July 13.
- Wire distributing system. J. W. Wiesmann. 2,445,198, July 13.
- Wire drawing block. S. J. Pacht. 2,446,058, July 27.
- Wire drawing die compacts, Lapping machine for. P. Bieberich. 2,441,003, May 4.
- Wire drawing die, Inspecting. R. H. Saviers. 2,435,657, Feb. 10.
- Wire fabric, Fabricating welded. T. H. Wickwire, Jr. 2,448,941, Sept. 7.
- Wire flexure testing apparatus. R. W. Shartle. 2,442,713, June 1.
- Wiper for use in metal plating apparatus. J. J. Baley. 2,435,766, Feb. 10.
- Wire grip for electrical fittings. F. W. Clark. 2,446,262, Aug. 3.
- Wire into ribbon form, Machine for bending. K. E. Queitisch. 2,446,608, Aug. 10.
- Wire, Packaging. J. H. Smith. 2,457,094, Dec. 21.
- Wire pay-off mechanism. M. F. Williams and S. B. Gallt. 2,437,630, Mar. 9.
- Wire pay-off reel. W. V. Lerner. 2,441,639, May 18.
- Wire reel. A. W. Johnson. 2,441,883, May 18.
- Wire rope and manufacturing the same. E. J. Reardon. 2,445,365, July 20.
- Wire stitching feed. J. N. Pagliaruli. 2,453,337, Nov. 9.
- Wire straightener. E. T. Fredrich, W. B. Mitchell, and F. E. Buyken. 2,447,242, Aug. 17.
- Wire-stranding machine. A. J. Roetting. 2,457,402, Dec. 28.
- Wire strapping tool. H. K. Embree and B. L. Watt. 2,442,679, June 1.
- Wire take-up device, Automatic. M. I. Karp and H. L. Peach. 2,440,719, May 4.
- Wire terminal, Electric. R. H. Bentley. 2,451,466, Oct. 19.
- Wire terminal, Electric. S. L. Gookin. 2,442,767, June 8.
- Wire tightener. B. J. Bradley. 2,451,531, Oct. 19.
- Wire-transposing device. R. Case. 2,436,789, Mar. 2.
- Wire transposing device. R. Case. 2,455,227, Nov. 30.
- Wire twisting device. S. G. Blumensadt and F. A. Bielak. 2,450,876, Oct. 12.
- Wire twisting machine, Florist's. T. E. Reynolds and E. Fyfe. 2,438,187, Mar. 23.
- Wire tying mechanism. J. R. West and F. D. Jones. 2,456,476, Dec. 14.
- Wire, Warp stop motion drop. H. F. Weddington. 2,452,004, Oct. 19.
- Wire welding tool. M. V. Lomax. 2,442,423, June 1.
- Wire-winding device. C. N. Maggiacomo. 2,455,377, Dec. 7.
- Wiring channel hanger. R. M. Runge. 2,455,141, Nov. 30.
- Wiring device. S. R. Naysmith. 2,446,240, Aug. 3.
- Wobble plate pump. A. Berteau. 2,457,339, Dec. 28.
- Wood and composition therefor, Impregnating. W. K. Loughborough. 2,455,427, Dec. 7.
- Wood, Dehydrating and impregnating. M. S. Hudson. 2,435,219, Feb. 3.
- Wood finishing apparatus. W. W. Partee and M. Gray. Re. 23,002, May 18.
- Wood peeler, Self-adjusting. C. B. Cameron. 2,452,631, Nov. 2.
- Wood pipe, Producing. L. T. Mart. 2,453,522, Nov. 9.
- Wood product, Composite. C. Roman. 2,446,304, Aug. 3.
- Wood pulp and producing a cellulosic product, Chemically treated. P. H. Schlosser and K. R. Gray. 2,451,558, Oct. 19.
- Wood pulp, Treatment of. C. I. Haney, M. E. Martin, and D. L. Sherck. 2,442,332, June 1.
- Wood splitting machine. C. T. Hanners. 2,446,585, Aug. 10.
- Wood surfaces with resin coatings, Finishing. W. E. Berry and M. M. Wilson. 2,441,953, May 25.
- Wood veneer, Dry expansion of. J. R. Francek. 2,454,787, Nov. 30.
- Wooden lath processing apparatus. E. E. and M. E. Walund. 2,446,147, July 27.
- Wool, Method of and apparatus for scouring. B. Leonard. 2,442,012, May 25.
- Wool, Treatment of. J. B. Rust. 2,447,539, Aug. 24.
- Wool with azo dye chrome complexes and chromic salts, Dyeing. N. M. Mackenzie and M. E. Nestler. 2,434,173, Jan. 6.
- Wool with indigo dyestuffs, Dyeing of. E. Weber. 2,450,773, Oct. 5.
- Woolen treatment and products therefor. J. B. Rust. 2,447,538, Aug. 24.
- Work gauge. E. S. Cornell. 2,449,842, Sept. 21.
- Work gauge support for shears. W. C. Tucker. 2,446,146, July 27.
- Work gauging device for bore grinding machines. P. H. Hutchinson. 2,437,783, Mar. 16.
- Work gloves. R. Steinberg. 2,449,337, Sept. 14.
- Work head, Universal. C. A. Wiken and E. A. Reibig. 2,452,089, Oct. 26.
- Work holder. J. Jesionowski. 2,435,888, Feb. 10.
- Work holder. B. C. Lendo and F. Pizmoht. 2,443,582, June 15.
- Work holder. C. Morrison and J. F. Hoch. 2,443,987, June 22.
- Work holder. H. Yates. 2,452,824, Nov. 2.
- Work holder for lapping lathes. H. H. Silverman. 2,449,791, Sept. 21.
- Work holder for woodworking machines. A. Pedersen. 2,455,189, Nov. 30.
- Work-holding and guiding mechanism for sewing machines. I. Sutker. 2,437,624, Mar. 9.
- Workholding attachment for drill presses. J. T. Betts. 2,445,103, July 13.
- Work-holding device. H. A. Sneekner. 2,449,255, Sept. 14.
- Work holding nest. H. Havstad. 2,438,916, Apr. 6.
- Work indexing attachment for lathes. J. D. Brown. 2,452,988, Nov. 2.
- Work manipulator. H. P. Bentley. 2,445,016, July 13.
- Workpiece feeding device for centerless grinding and like machines. A. Scrivener. 2,439,225, Apr. 6.
- Work positioner. J. Hochwarder. 2,451,733, Oct. 19.
- Work positioning means for heel nailing machines. W. R. Goodwin. 2,456,405, Dec. 14.
- Work-supporting structure and protective means for furnaces and the like. W. A. Morton. 2,435,362, Feb. 3.
- Worktable for belt grinders or the like. H. J. Kingsbury. 2,446,597, Aug. 10.
- Wrapper, Blanket. L. V. Schowalter. 2,449,675, Sept. 21.
- Wrapper, Citrus. J. R. MacRill and R. A. Baum. 2,443,795, June 22.
- Wrapper for frozen confections. S. B. Smith. 2,450,364, Sept. 28.
- Wrapping, banding, and tipping machine. F. A. Risberg. 2,451,175, Oct. 12.
- Wrapping machine, Blade. C. N. Henshaw. 2,457,233, Dec. 28.
- Wrapping paper control mechanism. O. Sandberg. 2,437,560, Mar. 9.
- Wrapping sheet for oil-slushed metal articles. M. W. Forrest. 2,445,945, July 27.
- Wrapping wire on terminals, Method of and device for. F. W. Johnson. 2,457,475, Dec. 28.
- Wrecking bar. W. F. Henderson. 2,457,231, Dec. 28.
- Wrecking crane, Auto. C. N. Ryan. 2,449,146, Sept. 14.
- Wrecking truck boom support. A. F. Heinss. 2,450,798, Oct. 5.
- Wrench: See—
- Adjustable pivoted-shank Power-operated wrench.
 - spanner wrench. Rocking inner-jaw end wrench.
 - Adjustable socket wrench. Screw cover wrench.
 - Helical spring actuated sliding side jaw wrench. Signal type torque indicating wrench.
 - Internal pipe wrench. Tap wrench.
 - Pipe wrench. Torque measuring wrench.
 - Pivotal and slidably mounted outer jaw wrench. Universal speed wrench.
 - Pivoted multiple lever cap gripping wrench.
 - Pivoted outer-jaw pipe wrench.
- Wrench and clamp, Screw and toggle adjusted. H. Alpers. 2,452,625, Nov. 2.
- Wrench and screw-driver, Compound. R. R. and F. R. Gonsett. 2,453,901, Nov. 16.
- Wrench for flanges, Double-acting. D. Baeza. 2,454,027, Nov. 16.
- Wrench for removing the backs of waterproof watches. L. Ghiglieri. 2,435,346, Feb. 3.
- Wrench for screw calks, Adjustable detent. B. Ingram. 2,448,805, Sept. 7.
- Wrench for waterproof watch cases. M. De Vries. 2,442,920, June 8.
- Wrench having a magnetized sectional socket, Ratchet. O. Matson. 2,446,776, Aug. 10.
- Wrench having a pivoted yoke carrying an adjustable jaw, Pipe. L. C. Mead. 2,448,999, Sept. 7.
- Wrench having thread and rack adjustments, Double adjustment. J. C. White. 2,444,686, July 6.
- Wrench provided with cam-actuated self-tightening jaws. R. L. Gregory. 2,441,144, May 11.
- Wrench sockets and the like, Making. H. T. M. Rice. 2,451,511, Oct. 19.
- Wrench with adjustable link pivot, Linked jaw pipe. O. V. Jones. 2,448,221, Aug. 31.
- Wrench with insertable auxiliary socket, Rigid jaw. L. L. Busby. 2,445,905, July 27.
- Wrench with means to grip the inner surface of pulley rims, Spanner. J. J. Sullivan. 2,454,489, Nov. 23.
- Wrench with oppositely-threaded screw adjustment, Sliding jaw. T. L. Mayrath. 2,437,267, Mar. 9.
- Wrench with radially-slotted head and socket, Pivoted pawl ratchet. A. and R. Peterson. 2,456,838, Dec. 21.
- Wrench with safety sleeve, Inserted chuck-actuating. T. J. Willette. 2,442,717, June 1.
- Wrench with slotted fulcrum guide, Pivoted jaw plier. J. P. Gantt. 2,445,480, July 20.
- Wrench with spring closed jaws and handle and pawl feed. O. M. Gross. 2,452,849, Nov. 2.
- Wrench with toggle-actuated pivoted jaw. F. A. Snell. 2,436,497, Feb. 24.

- Wrench with toggle release lever, Toggle operated. G. W. Wells. 2,443,153, June 8.
- Wringer. F. A. Conterman. 2,439,452, Apr. 13.
- Wringer. D. K. Ferris. 2,435,536, Feb. 3.
- Wringer. S. E. Schroeder. 2,442,879, June 8.
- Wringer and the like. W. L. Kauffman, II. 2,446,477, Aug. 3.
- Wringer and wash tubs unit. D. J. Porreca. 2,453,340, Nov. 9.
- Wringer with pressure rollers and carrying bail, Mop. E. Wurdeman. 2,438,087, Mar. 16.
- Wringing machine. F. R. Moffatt and A. E. Goehringer. 2,434,367, Jan. 13.
- Wrinkle finish, Air dry. W. A. Waldie. 2,455,541, Dec. 7.
- Wrinkle finish and making, Flexible. W. A. Waldie. 2,455,540, Dec. 7.
- Wrinkle removing device. G. J. Julian. 2,439,571, Apr. 13.
- Wrist-attached article carrier. C. C. Robinson. 2,449,324, Sept. 14.
- Wrist band or strap for watches. T. Spector. 2,439,274, Apr. 6.
- Wrist watch strap bar. O. A. Starke. 2,446,065, July 27.
- Writing arm for collapsible chairs. W. T. Clawson. 2,452,182, Oct. 26.
- Writing implement. I. Chesler. 2,444,003-4, June 22.
- Writing instrument. F. Heyberger. 2,449,939, Sept. 21.
- Writing instrument. I. D. Tefft. 2,452,504, Oct. 26.
- Writing instrument. R. T. Wing. 2,436,763, Feb. 24.
- Writing instrument, Ball-point. R. W. Randolph. 2,454,086, Nov. 16.
- Wrought gray iron welding rod. R. J. Franklin. 2,435,883, Feb. 10.
- X-ray apparatus. G. Kloos. 2,453,798, Nov. 16.
- X-ray apparatus. I. Ringler. 2,455,522, Dec. 7.
- X-ray apparatus. T. H. Rogers and W. W. Fengler. 2,454,525, Nov. 23.
- X-ray apparatus and method for crystal analysis. H. X-ray apparatus and procedure. W. A. Shurcliff. 2,453,163, Nov. 9.
- X-ray equipment. B. F. Wehmer. 2,456,096, Dec. 14.
- X-ray film viewer. F. J. Cadenas. 2,436,162, Feb. 17.
- X-ray images, Reproducing. B. J. Edwards. 2,442,287, May 25.
- X-ray protective device. A. H. Feibel. 2,451,282, Oct. 12.
- X-ray rectifying mechanism. D. Sussin. 2,450,530, Oct. 5.
- Friedman. 2,452,045, Oct. 26.
- X-ray screen. W. H. Byler and C. C. Carroll. 2,454,499, Nov. 23.
- X-ray tube sighting device. T. R. Hawks. 2,455,928, Dec. 14.
- Xanthopterin, Preparation of. G. H. Hitchings. 2,440,221, Apr. 20.
- Xylidine and preparing same, Stabilized. A. E. Robertson. 2,434,651, Jan. 20.
- Xylophone. L. Okrain. 2,454,402, Nov. 23.
- Xylophone. H. Zimmerman. 2,434,137, Jan. 6.
- Y turnout for trolley systems. R. P. Hanna. 2,442,002, May 25.
- Yarn-advancing reel. A. L. Ewing. 2,435,430, Feb. 3.
- Yarn-advancing reel. A. E. Guenther. 2,452,370, Oct. 26.
- Yarn articles, Making. A. Siefert and J. M. Laiho. 2,450,695, Oct. 5.
- Yarn assembly. D. Tann. 2,455,146, Nov. 30.
- Yarn carrier stop motion. E. Vossen. 2,451,133, Oct. 12.
- Yarn-catching device for spinning frames. A. A. Worth. 2,435,667, Feb. 10.
- Yarn compressing spooler, Warp. E. J. Wilson. 2,452,819, Nov. 2.
- Yarn feed for twisting machines. C. F. Powell. 2,454,405, Nov. 23.
- Yarn, Making stretchable. R. J. Clarkson. 2,451,919, Oct. 19.
- Yarn, Producing improved. P. H. Cannon. 2,451,533, Oct. 19.
- Yarn smoothing apparatus and method. A. A. Wood. 2,438,084, Mar. 16.
- Yarn, Stretching of cellulose ester. C. Dreyfus. 2,447,567, Aug. 24.
- Yarn support. A. W. Keight. 2,450,966, Oct. 12.
- Yarn take-up. J. S. Bradley and N. H. Smith. 2,449,105, Sept. 14.
- Yarn-transfer mechanism. M. J. Rarick. 2,434,964, Jan. 27.
- Yarn-transfer mechanism. E. H. Schmidt. 2,434,963, Jan. 27.
- Yarn treating apparatus. I. V. Hitt. 2,455,173, Nov. 30.
- Yarn winding machine. E. R. Davis and H. W. Doughty, Jr. 2,436,557, Feb. 24.
- Yarn winding machine. F. F. Stange. 2,438,722, Mar. 30.
- Yarn winding mechanism. H. W. Doughty, Jr. 2,436,559, Feb. 24.
- Yarns and the like, Method and apparatus for handling continuous. F. W. Koster. 2,447,982, Aug. 24.
- Yarns or cabled thread and carrying out the said method, Method of making cabled. J. H. Berthier and J. A. Colin. 2,434,384, Jan. 13.
- Yarns or cords comprising cellulose filaments, Treatment of. J. W. Illingworth and L. F. Pickup. 2,453,013, Nov. 2.
- Yeast and of yeast- and vitamin-rich products, Preparation of. G. A. Jeffreys. 2,440,545, Apr. 27.
- Yeast and other products, Symbiotic process for preparing. G. A. Jeffreys. 2,440,546, Apr. 27.
- Yeast, Manufacture of. F. Boinot and J. Boige. 2,446,737, Aug. 10.
- Yeast products, Treatment of liquid. B. Maizel. 2,450,604, Oct. 5.
- Yield of riboflavin in fermentation processes, Improving the. H. L. Pollard, N. E. Rodgers, and R. E. Meade. 2,449,142, Sept. 14.
- Yieldable bogie spring mounting. J. W. Heiney. 2,437,158, Mar. 2.
- Yoke structure, Trolley. W. A. Shearer. 2,446,887, Aug. 10.
- Zeolite softener, Automatic. F. D. Prager. 2,447,477, Aug. 17.
- Zinc dust, Melting. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,553, Dec. 28.
- Zinc, Electrolytic recovery of. J. T. Ellsworth. 2,454,142, Nov. 16.
- Zinc fluoride, Luminescent. F. E. Williams. 2,447,927, Aug. 24.
- Zinc-lined containers, Assembling. A. J. Lampert. 2,444,833, July 6.
- Zinc plating process and electrolyte. A. F. Prust. 2,446,983, Aug. 10.
- Zinc-oxide-bismuth oxide catalyst. H. G. Schneider and V. F. Mistretta. 2,436,733, Feb. 24.
- Zinc propionate, Preparation of. A. G. Weber and C. H. Hamblet. 2,452,003, Oct. 19.
- Zinc smelting, Vertical retort process for. E. C. Handwerk and G. T. Mahler. 2,457,552, Dec. 28.
- Zinc vapor, Condensing. E. C. Handwerk and G. T. Mahler. 2,457,548, Dec. 28.
- Zinc vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,544, Dec. 28.
- Zinc vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,545, Dec. 28.
- Zinc vapor, Condensing. E. C. Handwerk, G. T. Mahler, and H. C. Haupt. 2,457,546, Dec. 28.
- Zinc vapor, Condensing. G. T. Mahler and E. C. Handwerk. 2,457,550, Dec. 28.
- Zinc vapor, Condensing. S. Robson. 2,457,551, Dec. 28.
- Zipper manufacturing machinery. D. Silberman. 2,437,793, Mar. 16.
- Zirconia containing catalysts, Preparation of. G. R. Bond, Jr. 2,444,913, July 13.
- Zirconia gel production equipment, Cleaning dried. T. H. Milliken, Jr. 2,450,439, Oct. 5.
- Zirconia gels in the conversion of hydrocarbons, Preparation and use of. M. M. Marisic and E. M. Griest. 2,442,772, June 8.
- Zirconia opacifiers and making. L. C. Hurd, A. J. Vander Weyden, and J. D. Stroupe. 2,455,123, Nov. 30.
- Zirconium chloride, Producing. W. J. Kroll and F. E. Bacon. 2,443,253, June 15.
- Zirconium lakes and making same. E. Wainer and H. L. Van Mater. 2,452,616, Nov. 2.

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LIST OF DESIGN INVENTIONS

- Abacus. C. Mooney. 149,083, Mar. 23.
 Accessory lamp for a cook stove. B. N. Trombley. 152,177, Dec. 21.
 Accessory unit for cooking stoves, Splash panel. R. I. Felver. 151,339, Oct. 12.
 Advertising device. W. L. Stensgaard. 149,387, Apr. 20.
 Advertising device or the like. J. J. Reinhold. 150,656, Aug. 17.
 Aerial toy. N. B. Ruczynski. 151,412, Oct. 12.
 Air circulator and diffuser, Combined. G. B. Herbster. 150,357, July 27.
 Air compressing unit. H. R. Gamble and D. J. Peeps. 149,545, May 11.
 Air conditioning control. E. W. La Barre. 150,016, June 22.
 Aircraft engine, Turbine jet. M. U. Clauser and A. N. Hatch. 151,219, Oct. 5.
 Aircraft, Rotary winged. F. J. Knack. 152,161, Dec. 21.
 Air distribution outlet. W. W. Kennedy. 149,949, June 15.
 Air filter. N. H. F. Olsen. 151,464, Oct. 19.
 Airplane. P. M. Acosta. 151,948, Dec. 7.
 Airplane. F. C. Albright. 150,190, July 13.
 Airplane. D. A. Beck. 150,672, Aug. 24.
 Airplane. D. A. Beck. 151,583, Nov. 2.
 Airplane. C. A. Bigelow. 149,929, June 15.
 Airplane. J. C. Boyes. 148,673, Feb. 17.
 Airplane. W. J. Clark. 152,063, Dec. 14.
 Airplane. R. C. Coates. 151,327, Oct. 12.
 Airplane. C. S. Glasgow and C. C. Wood. 150,692, Aug. 24.
 Airplane. T. P. Hall. 149,812, June 1.
 Airplane. E. H. Heinemann and L. J. Devlin. 150,137, July 6.
 Airplane. E. H. Heinemann and L. J. Devlin. 151,346, Oct. 12.
 Airplane. F. B. Lane. 149,823, June 1.
 Airplane. K. F. Lovejoy and D. B. Peat. 150,434, Aug. 3.
 Airplane. W. A. Pulver and A. E. Flock. 151,713, Nov. 9.
 Airplane. I. Rogers. 148,578, Feb. 3.
 Airplane. F. I. Steele. 150,736, Aug. 24.
 Airplane. A. J. Thieblot. 148,595, Feb. 3.
 Airplane. M. Wibault. 150,181, July 6.
 Airplane. D. E. Zongker. 149,994, June 15.
 Airplane, All-wing. J. K. Northrop and I. L. Ashkenas. 149,666, May 18.
 Airplane hanger. D. R. Younger. 151,114, Sept. 21.
 Airplane, Miniature. V. W. Russell. 149,447, Apr. 27.
 Airplane toy. A. Halvas. 152,152, Dec. 21.
 Air travel bag and cosmetic case, Combined. E. N. Graham. 151,981, Dec. 7.
 Alphabet. N. Kalnitz. 148,791, Feb. 24.
 Alphabet for forming monograms or similar article. V. T. Howard. 151,993-4, Dec. 7.
 Alphabet for forming monograms or the like. M. Chernow. 148,910, Mar. 9.
 Alphabet for forming monograms or the like. M. Chernow. 149,250, Apr. 13.
 Alphabet for forming monograms or the like. M. Chernow. 149,998, June 22.
 Alphabet for forming monograms or the like. M. Chernow. 151,736-7, Nov. 16.
 Alphabet for forming monograms or the like. J. Weisman. 151,306, Oct. 5.
 Altar, Portable. R. T. Gudell and G. A. Feeny. 151,041, Sept. 21.
 Amusement apparatus. C. G. Meyer. 149,509, May 4.
 Analysis machine, Photographic color-transparency. I. Eachus and N. Macbeth, Jr. 151,615, Nov. 2.
 Anchor, earth. O. F. Tallman. Re. 23,036, Aug. 31.
 Andiron. W. E. Atkinson. 148,270-1, Jan. 6.
 Andiron. J. W. Rahfuss. 149,970, June 15.
 Andiron or similar article. O. P. Kurrle. 150,631-2, Aug. 17.
 Antirattler for window sashes. V. S. Meteyer and F. D. Kamb. 150,802, Aug. 31.
 Apparatus for printing and notching. R. Connor. Re. 23,026, Aug. 17.
 Applicator, Cosmetic. M. S. Landsman. 150,635, Aug. 17.
 Applicator for lip rouge or the like. R. E. Kruck. 149,952, June 15.
 Applicator, Lip rouge. Z. Melnikoff. 149,899, June 8.
 Applicator or similar article for beauty and health treatments. D. M. Ackerman. 149,159, Apr. 6.
 Applicator or the like, Lip rouge. R. E. Kruck. 149,953-5, June 15.
 Applicator, Perfume. J. Biro. 149,791, June 1.
 Apron. M. J. Kraft. 151,518, Oct. 26.
 Aquarium and coffee table, Combined. A. D. Bullock. 148,608, Feb. 10.
 Arch-stream offset combination faucet structure. A. G. Smolensky. 149,386, Apr. 20.
 Arm rest and door pull, Combined. E. G. Wettlauffer. 148,968, Mar. 9.
 Ash tray. C. T. Armus. 151,671-2, Nov. 9.
 Ash tray. B. Blecher. 149,611, May 18.
 Ash tray. A. L. Duckwall, Jr. 151,334, Oct. 12.
 Ash tray. W. Forthman. 152,194, Dec. 28.
 Ash tray. G. M. Jackson. 150,361-4, July 27.
 Ash tray. J. Melillo. 152,114, Dec. 14.
 Ash tray. P. Narey. 150,369, July 27.
 Ash tray. R. W. Raine and G. T. Derby. 151,557, Oct. 26.
 Ash tray. L. A. Revell. 152,022, Dec. 7.
 Ash tray. P. Reynolds. 150,159, July 6.
 Ash tray. J. B. Stier. 150,168, July 6.
 Ash tray and cigarette holder, Combined. L. Sanchez and T. E. Lord. 151,413, Oct. 12.
 Ash tray and cigarette snuffer, Combination. G. B. Welton. 152,231, Dec. 28.
 Ash tray and desk unit, Combination. G. B. Wisecarver. 152,234, Dec. 28.
 Ash tray and glass holder, Combined. R. M. Stafford. 149,232, Apr. 6.
 Ashtray and light, Combination. G. D. Amato. 148,971, Mar. 16.
 Ash tray and pipe smoker's accessory, Combined. P. S. Harper. 150,294, July 20.
 Ash tray and receptacle or similar article, Combined. N. E. Graven. 150,565, Aug. 17.
 Ash tray, cigarette lighter, and book end, Combined. L. Grey. 149,633, May 18.
 Ashtray, glass and poker chip holder, Combined. M. Buehren. 151,217, Oct. 5.
 Ash tray or article of similar nature. A. J. Dreitzer. 148,918, Mar. 9.
 Ash tray or similar article. C. Potts. 152,212-14, Dec. 28.
 Ash tray or the like. L. H. Rezos. 149,588, May 11.
 Astrolabe. C. O. Rothweller. 151,942, Nov. 30.
 Atomizer. K. K. Miller. 150,436, Aug. 3.
 Atomizer. V. R. Schlesinger. 149,309, Apr. 13.
 Atomizer. A. Schmutz. 148,394, Jan. 13.
 Atomizer or the like. C. E. McNutt. 149,289, Apr. 13.
 Atomizer, Portable. H. C. Yaeger. 148,899, Mar. 2.
 Atomizer spray attachment for a container. S. Gimelli. 148,411, Jan. 20.
 Automobile. F. Brogan. 148,516, Feb. 3.
 Automobile. B. J. Brown. 149,539, May 11.
 Automobile. K. Henrichsen. 150,571, Aug. 17.
 Automobile. G. S. Lawson. 149,824, June 1.
 Automobile. G. C. Sullivan. 151,796, Nov. 16.
 Automobile. R. A. Walker. 148,832, Feb. 24.
 Automobile and airplane, Combination. T. R. Burns. 149,404, Apr. 27.
 Automobile body. J. W. J. Ackermans. 148,346, Jan. 13.
 Automobile grille and bumper assembly or similar article, Combined. E. Macauley. 152,010, Dec. 7.
 Automobile or similar article. E. J. Kasnicka. 150,578, Aug. 17.
 Awning or the like. W. C. Allison. 151,484, Oct. 26.
 Awning, Sun-bathing. O. D. Koski. 151,155, Sept. 28.
 Badge or similar article. W. J. Brooking. 149,857, June 8.
 Badge or similar article, Lapel and pocket. R. J. Neller. 148,558, Feb. 3.
 Badge or similar article, Lapel and pocket. R. J. Neller. 149,436, Apr. 27.
 Bag-grasping device. A. M. Palmer and F. W. Rodgers. 149,375, Apr. 20.
 Bag or similar article, Cosmetic. L. Malmstead. 148,811, Feb. 24.
 Bait, Artificial. W. L. Raschke. 151,002, Sept. 14.
 Baker. E. S. Zeisel. 149,720, May 18.
 Baking dish, griddle, and dutch oven, Combination. C. A. Ovenshire. 148,948, Mar. 9.
 Band for watch bracelet or analogous article, Extensible. H. J. Duester. 150,682, Aug. 24.
 Band, Watch. P. E. Babin. 149,396, Apr. 27.
 Bank, Child's. K. H. Stovner. 150,896, Sept. 7.
 Bank, Mechanical. J. J. Weintraub. 149,463, Apr. 27.
 Bank, Money. J. F. Lenhart. 149,825, June 1.
 Bar, Folding, portable. H. J. Barrett. 150,194, July 13.
 Barbecue roaster or similar article, Electric. J. Nisen-son. 149,664, May 18.
 Barrel, Fountain pen. W. Green and P. Schladermundt. 150,224, July 13.
 Base for a lipstick holder. R. C. Jones. 150,863, Sept. 7.
 Base, Illuminable statue. M. Dominick. 148,679, Feb. 17.
 Base, Lamp. W. E. Wagner. 149,033, Mar. 16.

- Base, Trophy. D. K. Williams. 150,744, Aug. 24.
 Basket, Magazine. E. J. Spence. 150,379, July 27.
 Bat. B. M. Pauly. 150,805, Aug. 31.
 Bathing device, Baby. I. Brecher. 149,403, Apr. 27.
 Bathing suit. M. A. De Wesse. 151,331-2, Oct. 12.
 Bathing suit. J. N. Hamilton. 151,885, Nov. 30.
 Bathing suit. R. M. Reid. 151,714, Nov. 9.
 Bathing suit. M. Solomon. 151,415, Oct. 12.
 Bathroom ensemble. J. Stanitz. 151,294, Oct. 5.
 Bathroom unit, Combination. N. Valentino. 150,100, June 29.
 Bathtub. C. J. Rodman. 148,648, Feb. 10.
 Bathtub. P. Schladermundt and W. B. Green. 148,393, Jan. 13.
 Battery charging machine or similar article. A. C. Blevins. 151,117, Sept. 28.
 Battery cover, Storage. R. M. Raney. 152,169, Dec. 21.
 Battery vent plug and hydrometer, Combined. G. C. Appel. 150,328, July 27.
 Beach bag. E. N. Graham. 151,040, Sept. 21.
 Bear, Stuffed koala. C. B. Tomaszewski. 149,595, May 11.
 Beater, Egg. J. E. Davis. 148,770, Feb. 24.
 Beater or the like, Egg. W. F. Owens. 149,011, Mar. 16.
 Beauty tray and comb holder, Covered combined. G. A. and E. L. Lemke. 150,143, July 6.
 Bed. A. J. Buckner. 151,961, Dec. 7.
 Bed, Baby. F. P. Davis. 151,969, Dec. 7.
 Bed lamp bracket. M. H. Kruger. 150,142, July 6.
 Bed unit, Nursery. A. M. Bleich. 150,822, Sept. 7.
 Bell, Diving. R. H. Bird. 150,198, July 13.
 Bell, Electric. J. L. Riffkin. 149,907, June 8.
 Belt. J. S. Ashdowne. 148,903, Mar. 9.
 Belt. D. M. Scott and E. Steinberg. 151,560, Oct. 26.
 Belt. A. Unger. 150,524, Aug. 10.
 Belt, shell pocket and game carrier, Combined hunter's. M. Keim. 150,305, July 20.
 Belt, Short dress. L. R. Baggett. 150,533, Aug. 17.
 Belt, Supporting. J. J. Goldstein. 151,039, Sept. 21.
 Bench. E. W. Discher. 148,289, Jan. 6.
 Bench. C. A. Thomson. 150,272, July 13.
 Bench, Radio service. C. A. Brown and H. Faber. 149,044, Mar. 23.
 Beverage producer, Automatic. H. Richards. 149,146, Mar. 30.
 Bib. J. Seidenbaum. 149,092, Mar. 23.
 Bib, Multiple. I. Shelton. 151,290, Oct. 5.
 Bicycle. R. J. Fuhs. 149,408, Apr. 27.
 Bicycle. H. Harman, C. F. McGirl, and H. K. Greenlaw. 150,765, Aug. 31.
 Bicycle. F. C. Jaye. 149,556, May 11.
 Bicycle. L. J. Simon. 148,584, Feb. 3.
 Bicycle. O. A. Trnka. 149,322, Apr. 13.
 Bicycle and automobile jewel and support. H. Golden. 150,763, Aug. 31.
 Bicycle sidicar. H. H. Lockman. 150,433, Aug. 3.
 Bier-pin. E. L. Schofield. 148,961, Mar. 9.
 Bike, Motor. L. C. Oertle and T. Rostan. 149,968, June 15.
 Billfold. J. P. Reis. 148,483, Jan. 27.
 Billfold and coin purse, Combined. J. P. Reis. 148,955, Mar. 9.
 Billfold, coin holder, and key case, Combined. A. A. Seamon. 149,450, Apr. 27.
 Billfold or similar article, Flexible pocket. R. H. Rolfs. 149,520, May 4.
 Billfold, purse, and memorandum pad holder, Combined. H. A. Bauman. 152,134, Dec. 21.
 Bit, Bridle. P. M. Kelly. 151,625, Nov. 2.
 Blender, Powder. J. R. Clarke. 151,683, Nov. 9.
 Block, Multiple clothespin. W. T. Christmas. 149,110, Mar. 30.
 Blouse. V. McKelvey. 149,369, Apr. 20.
 Blower for cleaning, drying, and spraying purposes, Motor driven. E. W. Vose. 150,177, July 6.
 Blowtorch, Hand. B. F. Burnham. 152,187, Dec. 28.
 Boat. J. E. Jones. 151,242, Oct. 5.
 Boat. W. B. Quigley. 149,839, June 1.
 Boat. E. S. Swenson. 149,983, June 15.
 Boat, Collapsible utility. T. A. Potts and H. V. Waskiewicz. 151,467, Oct. 19.
 Bobsled. R. Warrender. 148,967, Mar. 9.
 Body, Automobile. C. S. Lupinski. 149,430, Apr. 27.
 Body for trailer vehicles. J. Stephen. 149,454, Apr. 27.
 Body, Truck. R. Loewy. 148,550, Feb. 3.
 Body, Vehicle. J. H. Holan, Jr., and H. J. Troche. 148,541, Feb. 3.
 Boiler section. R. C. Cross. 150,212, July 13.
 Bolster cover for pillows or similar article. G. L. Such. 151,721, Nov. 9.
 Book-end. O. E. Berg. 148,603, Feb. 10.
 Book-end. B. Blecher. 148,748, Feb. 24.
 Book-end. A. S. Leitner. 148,802, Feb. 24.
 Book-end. A. Leva. 148,371-2, Jan. 13.
 Book-end. A. Leva. 149,280-3, Apr. 13.
 Book-end. J. F. Oberwinder. 150,724-5, Aug. 24.
 Book-end. A. W. McGowen. 152,112, Dec. 14.
 Book-end. D. Rego. 152,019, Dec. 7.
 Book-end or similar article. A. G. Giegold, Jr. 149,409, Apr. 27.
 Book-end or similar article. W. H. Miller. 149,082, Mar. 23.
 Bookkeeping machine. J. Streng. 150,271, July 13.
 Boom, Camera. A. Crot. 151,966, Dec. 7.
 Boot or similar article, Child's. H. E. Rosen. 151,071, Sept. 21.
 Boot, Overshoe. A. E. Shaffer. 149,977, June 15.
 Bootee. P. F. Eberle and L. E. Sans. 151,685, Nov. 9.
 Bootee. K. R. Strauss. 151,099, Sept. 21.
 Bottle. R. Bigar. 148,604, Feb. 10.
 Bottle. W. Blitzstein. 151,028, Sept. 21.
 Bottle. G. B. Brown. 150,490, Aug. 10.
 Bottle. M. Chalom. 149,616, May 18.
 Bottle. L. J. Colwell. 151,507, Oct. 26.
 Bottle. T. D. D'Addario. 149,618, May 18.
 Bottle. M. C. D'Hennerly. 149,938, June 15.
 Bottle. M. C. D'Hennerly. 150,062, June 29.
 Bottle. H. Genske. 149,178, Apr. 6.
 Bottle. C. J. Howel. 148,301, Jan. 6.
 Bottle. B. Lewis. 148,880, Mar. 2.
 Bottle. B. Lewis. 152,005, Dec. 7.
 Bottle. J. Mayfield. 140,506, May 4.
 Bottle. J. B. Mayfield. 151,460, Oct. 19.
 Bottle. L. Medgyes. 151,909, Nov. 30.
 Bottle. J. von Miklos. 151,862, Nov. 23.
 Bottle. J. B. Platt. 152,211, Dec. 28.
 Bottle. H. Rubin. 150,810, Aug. 31.
 Bottle. H. Rubin. 150,890-1, Sept. 7.
 Bottle. A. Simpson. 149,593, May 11.
 Bottle. A. Simpson. 150,037, June 22.
 Bottle and jar opener and can perforator, Combination. H. C. Sundstrom and O. Landy. 149,706, May 18.
 Bottle and stand therefor, Combined. J. Heim. 150,499, Aug. 10.
 Bottle and stopper, Combined. B. B. Klebanoff. 149,950, June 15.
 Bottle cap. E. J. B. Miller. 151,283, Oct. 5.
 Bottle closure. L. E. Perkins. 149,834, June 1.
 Bottle opener. W. A. Kropp. 150,629, Aug. 17.
 Bottle opener and cork remover, Combined. F. Kahlen and P. P. Jordan. 150,957, Sept. 14.
 Bottle opener, ice pick, ice cracker, and muddler, Combination. F. McLaughlin and J. E. Roberson. 148,714, Feb. 17.
 Bottle or article of similar nature. J. S. Allen. 149,394, Apr. 27.
 Bottle or similar article. G. Baud. 149,789, June 1.
 Bottle or similar article, Perfume. C. B. Johnson. 148,704, Feb. 17.
 Bottle or similar container. R. R. and J. Bachinsky. 149,996, June 22.
 Bottle or the like. F. McIntosh. 149,507, May 4.
 Bottle, Perfume. L. de Lescinski. 150,406, Aug. 3.
 Bottle, Perfume. J. K. Liello. 151,520, Oct. 26.
 Bottle, Perfume. B. A. Shapiro. 149,313-16, Apr. 13.
 Bottle stopper or similar article, Perfume. J. Herbst. 149,062-5, Mar. 23.
 Bottle stopper or similar article, Perfume. J. Herbst. 149,353, Apr. 20.
 Bottle stopper or similar article, Perfume. J. Herbst. 150,068, June 29.
 Bottle, Wine. H. C. Berkowitz. 151,807, Nov. 23.
 Bow, Archery. P. V. Leivo and A. J. Herek. 148,309, Jan. 6.
 Bowl. L. F. McCarty. 149,963, June 15.
 Bowl for stock, Water. V. R. Berg. 150,917, Sept. 14.
 Bowl or the like. E. S. Zeisel. 149,719, May 13.
 Bowling game device and ash tray, Combined. J. D. Nagel and W. Lang. 151,385, Oct. 12.
 Box. C. F. Cruze and R. H. Killoran. 151,433, Oct. 19.
 Box. M. C. D'Hennerly. 149,742, May 25.
 Box. M. C. D'Hennerly. 150,063, June 29.
 Box. S. X. Shore. 150,036, June 22.
 Box. E. Westall. 150,043, June 22.
 Box, Cosmetic display. E. N. Graham. 148,692, Feb. 17.
 Box, File. G. S. Underwood. 149,461, Apr. 27.
 Box, Fly. K. D. Richards. 149,218, Apr. 6.
 Box for bottle or similar article. G. Baud. 149,788, June 1.
 Box for cosmetics or the like. G. Baud. 151,956, Dec. 7.
 Box, Mail. H. W. Robinette. 148,958, Mar. 9.
 Box, Music. K. C. Shyers. 149,846, June 1.
 Box, Music. E. Wedemeyer. 150,277, July 13.
 Box, Novelty. G. H. Jolley. 149,184, Apr. 6.
 Box or similar article, Musical cigarette. E. Jaye. 149,501, May 4.
 Box or similar article, Ring. E. Groos. 148,295-6, Jan. 6.
 Box or similar article, Ring. E. Groos. 149,058, Mar. 23.
 Box or the like, Jewel. H. Jacobson. 148,991-2, Mar. 16.
 Box, Parts. G. C. Montague. 152,167, Dec. 21.
 Box, Ring. M. Hollis. 149,813, June 1.
 Box, Sewing. H. Jahn and C. S. Zarembo. 149,414, Apr. 27.
 Box, Switch. A. J. Lippold. 150,240, July 13.
 Box, Utility. Z. E. Marvin, Jr. 151,061, Sept. 21.
 Box, Watch. S. Ackerman. 150,283, July 20.
 Box, Watch and jewelry display. S. Braun and M. Crystal. 149,792, June 1.
 Brace. W. B. Ruger. 151,719, Nov. 9.
 Bracelet. E. Demmler. 151,603, Nov. 2.
 Bracelet. C. D. Hamilton. 148,351, Jan. 13.
 Bracelet. E. J. Ostheimer. 148,433, Jan. 20.
 Bracelet. E. J. Ostheimer. 148,559-60, Feb. 3.
 Bracelet. T. F. Strub. 150,738, Aug. 24.
 Bracelet. A. P. Wand and H. W. Tennyson. 150,276, July 13.

- Bracelet and spoon, Combined. J. O. Reinecke. 150,655, Aug. 17.
- Bracelet and watch case, Combined wrist watch. H. Pommier. 150,653, Aug. 17.
- Bracelet, Charm. R. W. Grefe. 150,566, Aug. 17.
- Bracelet, Expansible. F. S. Rice. 148,888, Mar. 2.
- Bracelet, Expansible watch. A. Albanese. 150,530, Aug. 17.
- Bracelet, Link. H. Bogoff. 149,468-70, May 4.
- Bracelet, Link. H. Bogoff. 150,675, Aug. 24.
- Bracelet, Link. I. and H. Stern. 151,087, Sept. 21.
- Bracelet or similar article. O. R. Angell. 149,924, June 15.
- Bracelet or similar article. C. Arpels. 151,866, Nov. 30.
- Bracelet or similar article. M. Chernow. 149,472, May 4.
- Bracelet or similar article. E. E. Fachon. 151,747, Nov. 16.
- Bracelet or similar article. G. E. Fournier. 149,345, Apr. 20.
- Bracelet or similar article. W. W. Hobé. 152,078-9, Dec. 14.
- Bracelet or similar article. W. W. Hobé. 152,081, Dec. 14.
- Bracelet or similar article. A. Katz. 148,865, Mar. 2.
- Bracelet or similar article. A. Katz. 148,867, Mar. 2.
- Bracelet or similar article. A. Katz. 149,128, Mar. 30.
- Bracelet or similar article. A. Katz. 150,591, Aug. 17.
- Bracelet or similar article. A. Katz. 150,595, Aug. 17.
- Bracelet or similar article. A. Katz. 150,605, Aug. 17.
- Bracelet or similar article. A. Katz. 150,607-8, Aug. 17.
- Bracelet or similar article. A. Katz. 150,614, Aug. 17.
- Bracelet or similar article. A. Katz. 150,701, Aug. 24.
- Bracelet or similar article. A. Katz. 150,706, Aug. 24.
- Bracelet or similar article. A. Katz. 150,708-9, Aug. 24.
- Bracelet or similar article. A. Katz. 150,711, Aug. 24.
- Bracelet or similar article. A. Katz. 150,712-13, Aug. 24.
- Bracelet or similar article. A. Katz. 150,790, Aug. 31.
- Bracelet or similar article. A. Katz. 150,793, Aug. 31.
- Bracelet or similar article. A. Katz. 150,864, Sept. 7.
- Bracelet or similar article. A. Katz. 150,959, Sept. 14.
- Bracelet or similar article. A. Katz. 150,982-3, Sept. 14.
- Bracelet or similar article. A. Katz. 151,252, Oct. 5.
- Bracelet or similar article. A. Katz. 151,361-3, Oct. 12.
- Bracelet or similar article. A. Katz. 151,367, Oct. 12.
- Bracelet or similar article. A. Katz. 151,454, Oct. 19.
- Bracelet or similar article. A. Katz. 151,843, Nov. 23.
- Bracelet or similar article. A. Katz. 151,849-51, Nov. 23.
- Bracelet or similar article. A. Katz. 151,903-4, Nov. 30.
- Bracelet or similar article. A. Philippe. 149,210, Apr. 6.
- Bracelet or similar article. A. Philippe. 149,297-8, Apr. 13.
- Bracelet or similar article. A. Philippe. 150,449, Aug. 3.
- Bracelet or similar article. A. Philippe. 150,651, Aug. 17.
- Bracelet or similar article. A. Philippe. 151,186, Sept. 28.
- Bracelet or similar article. A. Philippe. 151,465, Oct. 19.
- Bracelet or similar article. A. Philippe. 151,537, Oct. 26.
- Bracelet or similar article. A. Philippe. 151,542, Oct. 26.
- Bracelet or similar article. A. Philippe. 151,546, Oct. 26.
- Bracelet or similar article. A. Philippe. 151,550, Oct. 26.
- Bracelet or similar article. A. Philippe. 152,127, Dec. 14.
- Bracelet or similar article. J. G. Siska. 148,585, Feb. 3.
- Bracelet or similar article, Expansible watch. A. Albanese. 150,746, Aug. 31.
- Bracelet or similar article, Picture-containing. W. E. Meierowitz. 150,801, Aug. 31.
- Bracelet or the like. K. C. Augenstein. 149,605, May 18.
- Bracelet or the like. K. C. Augenstein. 149,927, June 15.
- Bracelet, Wrist watch. H. Miller. 149,661, May 18.
- Bracket for an electrical fixture, Mounting. C. D. McCann. 151,161, Sept. 28.
- Bracket for over-bed table, Support. F. J. Burst. 149,793, June 1.
- Bracket, Lamp. R. J. Falk. 149,624, May 18.
- Bracket, Wall. J. Bozoti. 150,751, Aug. 31.
- Bracket, Wall. J. Lucchesi. 149,078, Mar. 23.
- Braid. L. Beer and H. Stern. 149,246, Apr. 13.
- Brassière. P. Amyot. 149,102, Mar. 30.
- Brassière. J. A. Coleman. 152,064, Dec. 14.
- Brassière. L. Dache. 151,742, Nov. 16.
- Brassière. L. Hunau. 151,760, Nov. 16.
- Brassière. E. Keller. 149,561-2, May 11.
- Brassière. H. M. Plehn. 151,934, Nov. 30.
- Brassière. S. J. Reiner. 151,937, Nov. 30.
- Brassière. W. Rosenthal. 149,680, May 18.
- Brassière. J. Schaefer and H. G. Imon. 150,033, June 22.
- Brassière. J. Selcow. 151,720, Nov. 9.
- Brassière. K. Van Leuven, Jr. 150,383, July 27.
- Brassière, Adjustable. J. Cohn. 151,593, Nov. 2.
- Brick, Child's. B. M. Hickman. 148,930, Mar. 9.
- Bridge for eyeglasses. J. A. Lauber. 150,367, July 27.
- Broiler. J. M. Majewski, Jr., and E. F. Whitfill. 149,895, June 8.
- Broiler. J. Meksins. 149,892, June 8.
- Broiler. M. Samburg. 148,445, Jan. 20.
- Broiler. H. J. Talge. 149,918, June 8.
- Broiler base. H. J. Talge. 152,043, Dec. 7.
- Brooch. A. Aquilino. 149,925, June 15.
- Brooch. J. Cicerchia. 148,456, Jan. 27.
- Brooch. L. Goldsmith. 148,534, Feb. 3.
- Brooch. H. J. A. Skipp. 149,914, June 8.
- Brooch. A. Zborovszky. 149,718, May 18.
- Brooch and lipstick holder, Combined. J. J. Quethera. 152,216, Dec. 28.
- Brooch and locket, Combined. A. Katz. 152,102-6, Dec. 14.
- Brooch and watch, Combined. O. Pennino. 151,529, Oct. 26.
- Brooch or similar article. H. Armao. 149,241, Apr. 13.
- Brooch or similar article. C. Arpels. 150,050, June 29.
- Brooch or similar article. C. Arpels. 150,393, Aug. 3.
- Brooch or similar article. C. Arpels. 151,805, Nov. 23.
- Brooch or similar article. C. Arpels. 151,864-5, Nov. 30.
- Brooch or similar article. N. Barbieri. 148,403, Jan. 20.
- Brooch or similar article. N. Barbieri. 148,840, Mar. 2.
- Brooch or similar article. N. Barbieri. 149,242, Apr. 13.
- Brooch or similar article. N. Barbieri. 149,334, Apr. 20.
- Brooch or similar article. O. Blake. 151,731, Nov. 16.
- Brooch or similar article. H. Bogoff. 151,868, Nov. 30.
- Brooch or similar article. M. Boucher. 151,029, Sept. 21.
- Brooch or similar article. M. Boucher. 151,490-8, Oct. 26.
- Brooch or similar article. M. Boucher. 151,500-5, Oct. 26.
- Brooch or similar article. M. Duvalet. 151,335, Oct. 12.
- Brooch or similar article. M. Duvalet. 151,684, Nov. 9.
- Brooch or similar article. B. Glass. 148,613-18, Feb. 10.
- Brooch or similar article. B. Glass. 148,689, Feb. 17.
- Brooch or similar article. B. Glass. 148,849-855, Mar. 2.
- Brooch or similar article. B. Glass. 149,546, May 11.
- Brooch or similar article. N. Gross. 148,414, Jan. 20.
- Brooch or similar article. W. W. Hobé. 151,990-1, Dec. 7.
- Brooch or similar article. W. W. Hobé. 152,071-3, Dec. 14.
- Brooch or similar article. W. W. Hobé. 152,075-7, Dec. 14.
- Brooch or similar article. W. W. Hobé. 152,080, Dec. 14.
- Brooch or similar article. W. W. Hobé. 152,082, Dec. 14.
- Brooch or similar article. E. Hoffschmidt. 150,767, Aug. 31.
- Brooch or similar article. N. E. Jansen. 149,183, Apr. 6.
- Brooch or similar article. A. Katz. 148,305-6, Jan. 6.
- Brooch or similar article. A. Katz. 148,362-4, Jan. 13.
- Brooch or similar article. A. Katz. 148,423, Jan. 20.
- Brooch or similar article. A. Katz. 148,428, Jan. 20.
- Brooch or similar article. A. Katz. 148,471, Jan. 27.
- Brooch or similar article. A. Katz. 148,545-8, Feb. 3.
- Brooch or similar article. A. Katz. 148,792-3, Feb. 24.
- Brooch or similar article. A. Katz. 148,864, Mar. 2.
- Brooch or similar article. A. Katz. 148,866, Mar. 2.
- Brooch or similar article. A. Katz. 148,868, Mar. 2.
- Brooch or similar article. A. Katz. 148,872, Mar. 2.
- Brooch or similar article. A. Katz. 148,994-5, Mar. 16.
- Brooch or similar article. A. Katz. 148,997, Mar. 16.
- Brooch or similar article. A. Katz. 148,999, Mar. 16.
- Brooch or similar article. A. Katz. 149,067-8, Mar. 23.
- Brooch or similar article. A. Katz. 149,186, Apr. 6.
- Brooch or similar article. A. Katz. 149,358-60, Apr. 20.
- Brooch or similar article. A. Katz. 149,761, May 25.
- Brooch or similar article. A. Katz. 149,880-2, June 8.
- Brooch or similar article. A. Katz. 149,884, June 8.
- Brooch or similar article. A. Katz. 149,948, June 15.
- Brooch or similar article. A. Katz. 150,234-5, July 13.
- Brooch or similar article. A. Katz. 150,302, July 20.
- Brooch or similar article. A. Katz. 150,418-29, Aug. 3.
- Brooch or similar article. A. Katz. 150,579-83, Aug. 17.
- Brooch or similar article. A. Katz. 150,588-9, Aug. 17.
- Brooch or similar article. A. Katz. 150,593, Aug. 17.
- Brooch or similar article. A. Katz. 150,598-602, Aug. 17.
- Brooch or similar article. A. Katz. 150,604, Aug. 17.
- Brooch or similar article. A. Katz. 150,611-12, Aug. 17.
- Brooch or similar article. A. Katz. 150,615, Aug. 17.
- Brooch or similar article. A. Katz. 150,620-5, Aug. 17.
- Brooch or similar article. A. Katz. 150,777, Aug. 31.
- Brooch or similar article. A. Katz. 150,781-5, Aug. 31.
- Brooch or similar article. A. Katz. 150,787, Aug. 31.
- Brooch or similar article. A. Katz. 150,789, Aug. 31.
- Brooch or similar article. A. Katz. 150,791, Aug. 31.
- Brooch or similar article. A. Katz. 150,865-6, Sept. 7.
- Brooch or similar article. A. Katz. 150,868-9, Sept. 7.
- Brooch or similar article. A. Katz. 150,960, Sept. 14.
- Brooch or similar article. A. Katz. 150,962-75, Sept. 14.
- Brooch or similar article. A. Katz. 150,977-8, Sept. 14.
- Brooch or similar article. A. Katz. 150,981, Sept. 14.
- Brooch or similar article. A. Katz. 150,985, Sept. 14.
- Brooch or similar article. A. Katz. 151,133, Sept. 28.
- Brooch or similar article. A. Katz. 151,137, Sept. 28.
- Brooch or similar article. A. Katz. 151,140, Sept. 28.
- Brooch or similar article. A. Katz. 151,142, Sept. 28.
- Brooch or similar article. A. Katz. 151,144, Sept. 28.
- Brooch or similar article. A. Katz. 151,146-7, Sept. 28.
- Brooch or similar article. A. Katz. 151,149, Sept. 28.
- Brooch or similar article. A. Katz. 151,260-1, Oct. 5.
- Brooch or similar article. A. Katz. 151,267, Oct. 5.
- Brooch or similar article. A. Katz. 151,358-60, Oct. 12.
- Brooch or similar article. A. Katz. 151,365-6, Oct. 12.
- Brooch or similar article. A. Katz. 151,694, Nov. 9.
- Brooch or similar article. A. Katz. 151,763-5, Nov. 16.
- Brooch or similar article. A. Katz. 151,767-9, Nov. 16.
- Brooch or similar article. A. Katz. 151,824-9, Nov. 23.
- Brooch or similar article. A. Katz. 151,831-4, Nov. 23.
- Brooch or similar article. A. Katz. 151,888-9, Nov. 30.
- Brooch or similar article. A. Katz. 152,092-7, Dec. 14.
- Brooch or similar article. A. Katz. 152,100, Dec. 14.
- Brooch or similar article. G. J. Lederer. 149,275-9, Apr. 13.
- Brooch or similar article. G. Norato. 150,027, June 22.

- Brooch or similar article. O. Pennino. 149,832-3, June 1.
 Brooch or similar article. O. Pennino. 151,163, Sept. 28.
 Brooch or similar article. A. Philippe. 148,387-8, Jan. 13.
 Brooch or similar article. A. Philippe. 148,390, Jan. 13.
 Brooch or similar article. A. Philippe. 148,436, Jan. 20.
 Brooch or similar article. A. Philippe. 148,438-9, Jan. 20.
 Brooch or similar article. A. Philippe. 148,562-6, Feb. 3.
 Brooch or similar article. A. Philippe. 148,568-72, Feb. 3.
 Brooch or similar article. A. Philippe. 148,953, Mar. 9.
 Brooch or similar article. A. Philippe. 149,015-17, Mar. 16.
 Brooch or similar article. A. Philippe. 149,020, Mar. 16.
 Brooch or similar article. A. Philippe. 149,087, Mar. 23.
 Brooch or similar article. A. Philippe. 149,212-14, Apr. 6.
 Brooch or similar article. A. Philippe. 149,295, Apr. 13.
 Brooch or similar article. A. Philippe. 149,582, May 11.
 Brooch or similar article. A. Philippe. 149,584-7, May 11.
 Brooch or similar article. A. Philippe. 149,673, May 18.
 Brooch or similar article. A. Philippe. 149,770, May 25.
 Brooch or similar article. A. Philippe. 149,836, June 1.
 Brooch or similar article. A. Philippe. 150,446-7, Aug. 3.
 Brooch or similar article. A. Philippe. 150,450-5, Aug. 3.
 Brooch or similar article. A. Philippe. 150,515, Aug. 10.
 Brooch or similar article. A. Philippe. 150,648, Aug. 17.
 Brooch or similar article. A. Philippe. 150,884, Sept. 7.
 Brooch or similar article. A. Philippe. 151,169-74, Sept. 28.
 Brooch or similar article. A. Philippe. 151,177-81, Sept. 28.
 Brooch or similar article. A. Philippe. 151,389-91, Oct. 12.
 Brooch or similar article. A. Philippe. 151,393-9, Oct. 12.
 Brooch or similar article. A. Philippe. 151,538, Oct. 26.
 Brooch or similar article. A. Philippe. 151,544-5, Oct. 26.
 Brooch or similar article. A. Philippe. 151,548, Oct. 26.
 Brooch or similar article. A. Philippe. 151,551-5, Oct. 26.
 Brooch or similar article. A. Philippe. 151,914-17, Nov. 30.
 Brooch or similar article. A. Philippe. 151,924, Nov. 30.
 Brooch or similar article. A. Philippe. 151,926-33, Nov. 30.
 Brooch or similar article. R. Pomatti. 151,401, Oct. 12.
 Brooch or similar article. H. M. Rogers. 151,409, Oct. 12.
 Brooch or similar article. A. Rose. 151,940, Nov. 30.
 Brooch or similar article. W. G. Schreiber. 149,311, Apr. 13.
 Brooch or similar article. H. Schreiner. 150,733, Aug. 24.
 Brooch or similar article. V. Silson. 152,031, Dec. 7.
 Brooch or similar article. J. Toussaint. 150,273, July 13.
 Brooch or similar article. J. Wolf. 149,716-17, May 18.
 Brooch or similar article, Chatelaine. A. Katz. 149,270, Apr. 13.
 Brooch or similar article, Separable. A. Katz. 148,875-7, Mar. 2.
 Brooch or similar article, Separable. A. Katz. 148,998, Mar. 16.
 Brooch or similar article, Separable. A. Katz. 149,069, Mar. 23.
 Brooch or similar article, Separable. A. Katz. 149,187, Apr. 6.
 Brooch or similar article, Separable. A. Katz. 149,189, Apr. 6.
 Brooch or similar article, Separable. A. Katz. 149,363, Apr. 20.
 Brooch or similar article, Separable. A. Katz. 151,151, Sept. 28.
 Brooch or similar article, Separable. A. Katz. 151,258-9, Oct. 5.
 Brooch or similar article, Separable. A. Katz. 151,262, Oct. 5.
 Brooch or similar article, Separable. A. Katz. 151,264-6, Oct. 5.
 Brooch or similar article, Separable. A. Katz. 151,364, Oct. 12.
 Brooch or similar article, Separable. A. Katz. 151,902, Nov. 30.
 Brooch, Revolving, or similar article. A. Katz. 151,995, Dec. 7.
 Brooch, Separable, or similar article. A. Katz. 151,996-9, Dec. 7.
 Brooch or the like. A. Casciano. 151,031, Sept. 21.
 Brooch or the like. T. J. Manry. 150,880, Sept. 7.
 Brooch or the like. M. Marcello. 148,432, Jan. 20.
 Brooch or the like. M. Slater. 149,095, Mar. 23.
 Brooch or the like, Clip. H. Graeter. 149,811, June 1.
 Brooch pin or similar article. S. Hobe. 150,359, July 27.
 Brooch pin or similar article. S. Hobe. 150,855-9, Sept. 7.
 Brooch, Separable. A. Katz. 150,616, Aug. 17.
 Brush and casing therefor, Combined rouge. I. Gold. 148,294, Jan. 6.
 Brush and nozzle, Combined. H. Dreyfuss. 149,478, May 4.
 Brush attachment for vacuum cleaners. E. E. Harvuot. 149,060, Mar. 23.
 Brush, Denture. P. B. Brandt. 151,319, Oct. 12.
 Brush, Floor. A. L. Le Febvre. 149,134, Mar. 30.
 Brush for camera lens and container for cleaning fluid, Combined. R. F. Matthews. 149,201, Apr. 6.
 Brush, Hand and nail. F. Wagner. 150,913, Sept. 7.
 Brush, Palate plate. R. F. Taylor. 151,570, Oct. 26.
 Brush receptacle, Toilet bowl. M. Karagozian. 151,762, Nov. 16.
 Bubbling device or the like, Illuminable. J. Petry. 148,950, Mar. 9.
 Buckle, Belt. W. A. Nelson. 148,634-44, Feb. 10.
 Buckle, Belt. H. J. Shepherd. 149,028, Mar. 16.
 Buckle, Wrist watch strap. C. B. Greenberg. 150,009, June 22.
 Building. J. L. Gordon. 148,466, Jan. 27.
 Building. A. Kratochvil. 149,887, June 8.
 Building. R. Loewy. 149,076-7, Mar. 23.
 Building. A. T. Moore. 149,292, Apr. 13.
 Building. H. W. Sachs. 151,559, Oct. 26.
 Building block, Hollow glass. J. H. Sutter. 151,797-9, Nov. 16.
 Building front. H. B. Barrett. 148,743, Feb. 24.
 Building unit. P. L. Schluttig. 150,519, Aug. 10.
 Bumper engaging member for an automobile jack. R. Gambardella. 151,974, Dec. 7.
 Bundling and binding means. L. E. Delson. Re. 23,029, Aug. 24.
 Bunting or similar article, Infant's. H. H. Segerman. 149,696-7, May 18.
 Burial-casket. J. M. Beach. 150,197, July 13.
 Burner assembly for gas cookstoves, Top. H. M. Reeves. 148,646, Feb. 10.
 Burner, Incense. R. J. Howard. 148,418, Jan. 20.
 Burner knob for gas stoves. R. I. Felver. 150,346, July 27.
 Button for electric iron, Control. J. N. Polivka. 150,652, Aug. 17.
 Button or similar article. W. Drell. 151,606-13, Nov. 2.
 Button or similar article. W. Drell. 152,192, Dec. 28.
 Cab, Crane. E. W. Taylor. 149,707, May 18.
 Cap, Electrical plug. W. Huppert. 150,069, June 29.
 Cab, Motor vehicle. C. S. Ash. 151,580, Nov. 2.
 Cab, Tractor. R. H. Hill. 148,417, Jan. 20.
 Cabinet. A. J. Buckner. 150,548, Aug. 17.
 Cabinet. A. J. Buckner. 151,963, Dec. 7.
 Cabinet. H. H. Hopkins. 148,789, Feb. 24.
 Cabinet. J. E. Moberg. 149,434, Apr. 27.
 Cabinet. R. W. Neville. 150,722, Aug. 24.
 Cabinet. E. J. Spence. 148,826, Feb. 24.
 Cabinet, Alarm. R. E. Young. 152,132, Dec. 14.
 Cabinet and bench, Combined storage. F. F. Smead. 151,662, Nov. 2.
 Cabinet and douche tank, Combined. C. L. Wolfe. 151,667, Nov. 2.
 Cabinet casing, Organ tone. V. I. Zuck. 150,668-9, Aug. 17.
 Cabinet, Combination radio and television. V. Trad. 149,459, Apr. 27.
 Cabinet, Combination refrigerator and cooler. T. H. Koeber. 152,001, Dec. 7.
 Cabinet, Corner wall. C. S. Motter. 148,940, Mar. 9.
 Cabinet, Display. E. H. Brunmark. 150,053, June 29.
 Cabinet, Display. J. G. Graef. 148,691, Feb. 17.
 Cabinet, Drink dispenser. R. E. Harvuot. 149,942, June 15.
 Cabinet for a film projection unit constituting visual training and mechanical game device. J. Tjaarda. 149,458, Apr. 27.
 Cabinet for a radio-phonograph. J. D. Portanova. 148,325, Jan. 6.
 Cabinet for automatic photographic apparatus. P. S. Allen. 148,740, Feb. 24.
 Cabinet for automatic phonographs. N. A. Miller. 148,316, Jan. 6.
 Cabinet for bottle vending machine. W. L. Martling, Jr. 152,110, Dec. 14.
 Cabinet for greeting cards, Display. H. J. Loosley. 151,637, Nov. 2.
 Cabinet for intercommunicating system. R. L. Whyte. 148,343-4, Jan. 6.
 Cabinet for lubricating equipment. R. P. Field. 152,148, Dec. 21.
 Cabinet for radio-phonograph combination. W. Schier and D. L. Doggett. 151,859, Nov. 23.
 Cabinet for radio-phonograph combination, Console. W. Schier and D. L. Doggett. 151,787, Nov. 16.
 Cabinet for radio transmitter. L. Knip, Jr. 150,141, July 6.
 Cabinet for shoe shining machines. C. E. Danielson. 151,968, Dec. 7.
 Cabinet for sound receiving and transmitting apparatus. F. L. Meagher. 150,998, Sept. 14.
 Cabinet for sound reproducing apparatus. D. C. Rockola. 149,589, May 11.
 Cabinet for sound reproducing devices. G. Kende. 149,131-2, Mar. 30.
 Cabinet for space heaters or the like. C. S. Greer, Jr. 150,846-50, Sept. 7.
 Cabinet, Freezer chest. T. H. Koeber. 152,000, Dec. 7.
 Cabinet, Frozen food storage and display. J. W. P. Fleming. 151,035-6, Sept. 21.
 Cabinet grille, Organ tone. V. I. Zuck. 150,667, Aug. 17.
 Cabinet, Kitchen. N. Lewis. 151,636, Nov. 2.
 Cabinet, Music. S. F. Grabowski and J. M. Sawaya. 151,620, Nov. 2.

- Cabinet, Nursery. W. H. Baker. 150,192, July 13.
 Cabinet, Oil burner. C. E. Schinman. 149,844, June 1.
 Cabinet, Open type self-service frosted food display. A. A. Paley. 148,717, Feb. 17.
 Cabinet or similar article. A. J. Buckner. 151,214-16, Oct. 5.
 Cabinet or similar article, radio. J. F. Radebaugh. 148,818, Feb. 24.
 Cabinet or similar article, Television. J. W. Pettigrew. 150,251, July 13.
 Cabinet or similar article, Vending machine. H. G. Nissen. 151,386, Oct. 12.
 Cabinet or the like, Dispenser. A. C. Swygard. 148,398, Jan. 13.
 Cabinet or the like, Radio. F. C. Burton. 148,675, Feb. 17.
 Cabinet or the like, Radio. F. C. Burton. 148,907, Mar. 9.
 Cabinet, or the like, Radio. F. C. Burton. 150,108, July 6.
 Cabinet or the like, Radio. J. B. Platt. 149,216, Apr. 6.
 Cabinet or the like, Radio. J. B. Platt. 150,252, July 13.
 Cabinet, Phonograph. R. L. Ardner. 149,785, June 1.
 Cabinet, Phonograph. J. O. Reinecke. 148,576, Feb. 3.
 Cabinet, Phonograph. E. F. Thomson. 149,849, June 1.
 Cabinet, Radio. R. D. Budlong. 148,518, Feb. 3.
 Cabinet, Radio. J. D. Portanova. 148,324, Jan. 6.
 Cabinet, Radio. J. D. Portanova. 148,574, Feb. 3.
 Cabinet, Radio. W. Schier and D. L. Doggett. 151,785, Nov. 16.
 Cabinet, Radio. B. T. Setchell. 150,660, Aug. 17.
 Cabinet, Radio. U. Tecca. 149,457, Apr. 27.
 Cabinet, Radio and phonograph. L. W. Hardell. 148,297, Jan. 6.
 Cabinet, Radio phonograph. J. D. Portanova. 148,326, Jan. 6.
 Cabinet, Radio phonograph. L. G. Stone. 149,847, June 1.
 Cabinet, Radio phonograph. L. G. Stone. 151,296-7, Oct. 5.
 Cabinet, Radio receiver. A. L. Jenks. 151,241, Oct. 5.
 Cabinet, Radio receiver. J. O. Reinecke. 151,406, Oct. 12.
 Cabinet, Radio receiver. W. Schier and D. L. Doggett. 151,786, Nov. 16.
 Cabinet, Refrigerator. J. M. Little. 151,277, Oct. 5.
 Cabinet, Refrigerator. C. W. Sundberg and M. Ferar. 150,382, July 27.
 Cabinet, Sewing. E. J. Spence. 151,013, Sept. 14.
 Cabinet, Sewing machine. W. J. Peets. 148,949, Mar. 9.
 Cabinet, Utility. R. C. Ingersoll. 151,624, Nov. 2.
 Cabinet, Vending machine. M. Caruso. 149,794, June 1.
 Cabinet, Wall. E. J. Spence. 150,377, July 27.
 Cabinet, X-ray shoe fitting. J. O. Reinecke. 149,088, Mar. 23.
 Calculating machine. A. B. Machado. 151,521, Oct. 26.
 Calculating machine. R. L. Muller. Re. 23,031, Aug. 24.
 Calculator, Pay roll. E. B. Minor. 150,803, Aug. 31.
 Calendar, Desk. E. Kottle. 149,424, Apr. 27.
 Call light, Hospital patient's. G. H. Kress. 151,626, Nov. 2.
 Camera. J. Briskin and J. J. Golick. 148,975, Mar. 16.
 Camera. J. Briskin and J. J. Golick. 148,977, Mar. 16.
 Camera. G. Fassin. 148,983, Mar. 16.
 Camera. J. E. Harvey. 150,228, July 13.
 Camera. D. F. Hawkins and W. A. Moore. 150,135, July 6.
 Camera. F. W. Hertzler. 150,230, July 13.
 Camera. M. Kaplowitz. 148,544, Feb. 3.
 Camera. W. L. Lawson. 148,801, Feb. 24.
 Camera. S. I. Rochwhite. 150,517, Aug. 10.
 Camera. D. C. Whitaker. 152,232, Dec. 28.
 Camera, Box. A. H. Crapsey, Jr. 150,289, July 20.
 Camera, Box. A. H. Crapsey, Jr. 151,965, Dec. 7.
 Camera cover. C. E. Main. 151,059, Sept. 21.
 Camera, Folding. T. G. Clement. 148,765, Feb. 24.
 Camera, Motion picture. W. H. Bach. 149,536, May 11.
 Camera or similar article. M. N. Fairbank. 151,748-9, Nov. 16.
 Camera or similar article. E. H. Land. 151,775, Nov. 16.
 Camera or similar article. W. D. Teague. 149,233, Apr. 6.
 Camera or similar article. S. B. Whittier. 151,802-3, Nov. 16.
 Camera or similar article. O. E. Wolff. 151,804, Nov. 16.
 Camera or similar article, Photographic. W. D. Teague, R. H. Ensign, H. R. Beal, and M. N. Fairbank. 152,229, Dec. 28.
 Camera, Photographic. J. O. Reinecke. 152,021, Dec. 7.
 Camera, Photographic film. J. A. Henne. 149,267, Apr. 13.
 Camp trailer. J. M. Poche. 151,400, Oct. 12.
 Can punch. W. A. Campion. 152,060, Dec. 14.
 Can, Waste. B. F. Hamilton. 151,986, Dec. 7.
 Candelabrum and flower vase, Combined. A. E. Thienhaus. 148,965, Mar. 9.
 Candelabrum or similar article. W. L. Orme. 151,067, Sept. 21.
 Candle. A. Donahue. 150,407, Aug. 3.
 Candle. P. A. Williams. 150,280-1, July 13.
 Candle. P. A. Williams. 150,388, July 27.
 Candle. P. A. Williams. 150,389-90, July 27.
 Candleholder. R. W. Meldrum. 152,204, Dec. 28.
 Candle, Personalized birthday. L. Lion. 150,879, Sept. 7.
 Candlestick. M. Vozzella. 148,667, Feb. 10.
 Candlestick. M. Vozzella. 149,032, Mar. 16.
 Candlestick. W. H. Wilson. 149,599, May 11.
 Canopy for use with children's furniture. A. E. Puls. 149,905-6, June 8.
 Cap. W. E. Schuessler. 151,010-11, Sept. 14.
 Cap and clip for a fountain pen or similar article, Combined. A. S. Weston. 151,307, Oct. 5.
 Cap, Container. L. Baron. 152,184, Dec. 28.
 Cap for a twin lipstick. W. S. Jackson. 150,139, July 6.
 Cap, Lady's emblematic. B. J. Johnson. 150,773, Aug. 31.
 Car body, Railway. F. L. Murphy and J. E. Candlin, Jr. 152,119, Dec. 14.
 Car, Coaster. T. B. Brickson. 150,401, Aug. 3.
 Car, Kiddie. J. L. Schilling. 150,732, Aug. 24.
 Car, Motor. J. Rose. 149,446, Apr. 27.
 Car, Motor. R. L. J.-B. Sanmori. 150,161, July 6.
 Car, Railway. O. A. Kuhler. 148,308, Jan. 6.
 Car, Rocket. J. Carmody. 148,761, Feb. 24.
 Card for artificial teeth or similar article. S. Myerson. 150,509, Aug. 10.
 Card, Playing. G. J. O'Donnell. 148,946, Mar. 9.
 Carriage, Baby. E. Reinhold. 150,256, July 13.
 Carrier, Bottle. G. M. Acton. 149,034, Mar. 23.
 Carrier, Bottle. A. L. Barnes. 152,053, Dec. 14.
 Carrier, Bottle. R. G. Stigler. 150,815, Aug. 31.
 Carrier, Feed. S. A. Halls. 151,985, Dec. 7.
 Carrier for an automobile, Luggage. W. E. Martin. 150,087, June 29.
 Carrier for golf clubs. A. H. Jessen. 149,557, May 11.
 Carrier, Golf bag. C. T. Rycraft. 151,008, Sept. 14.
 Carrier or similar article, Bottle. J. A. Lamprecht. 150,017, June 22.
 Cart, Bucket. A. C. Rapp. 148,575, Feb. 3.
 Cart, Child's. J. H. Bates. 151,582, Nov. 2.
 Cart, Child's. G. Renzelman. 148,441, Jan. 20.
 Cart, Golf bag. T. A. Hutsell. 150,572, Aug. 17.
 Cart, Household utility. F. P. Fletcher. 148,684, Feb. 17.
 Cart, Milk. R. J. Swenson. 150,475, Aug. 3.
 Cart or similar article, Vending. S. Goodman. 148,412, Jan. 20.
 Carton. C. S. Smith. 150,814, Aug. 31.
 Carving aid. V. I. Mason. 149,961, June 15.
 Case and lighter, Combined cigarette. A. F. Fukal. 151,341, Oct. 12.
 Case and lipstick holder, Combined vanity. L. Medgyes. 148,478, Jan. 27.
 Case and mirror compartment or the like, Combined twin lipstick. E. N. Graham. 151,980, Dec. 7.
 Case, Bottle vending machine. E. F. Thomson. 148,399, Jan. 13.
 Case, Bowling ball. M. L. Haney. 149,869, June 8.
 Case, Clock. L. H. Gustafson and L. J. Halberstadt. 149,868, June 8.
 Case, Clock. J. F. Punzak and A. Levy. 149,021, Mar. 16.
 Case, Combined eye shadow and rouge. E. N. Graham. 151,234, Oct. 5.
 Case, Display. M. Beck. 148,274, Jan. 6.
 Case, Display. A. M. Travis. 149,708, May 18.
 Case, Eyeglass. A. Karp. 150,577, Aug. 17.
 Case for a cigarette package, Leakproof. E. A. Abbatiello. 148,402, Jan. 20.
 Case for bottles and the like, Holding. D. P. Reynolds. 149,519, May 4.
 Case, Hearing aid. W. D. Penn. 148,320, Jan. 6.
 Case, Jewel. D. J. Slater. 148,586, Feb. 3.
 Case, Lipstick. G. Flaxman. 150,004, June 22.
 Case, Lipstick. L. Medgyes. 149,508, May 4.
 Case, Molded bottle carrying. H. Richards. 150,031, June 22.
 Case, Movie projector carrying. J. Briskin. 149,856, June 8.
 Case or similar article, Lipstick. W. H. Leavin. 151,697, Nov. 9.
 Case or similar article, Lipstick. W. H. Leavin. 152,003, Dec. 7.
 Case, Speaker. L. G. Stine. 151,795, Nov. 16.
 Case, Spectacle. G. Swikart. 151,477, Oct. 19.
 Case, Viewer. E. Gordon and H. Sanders. 148,690, Feb. 17.
 Casing and minute glass unit, Thermometer. M. Graboi. 151,633, Nov. 2.
 Casing and stand for pipe-cleaning apparatus, Combined. J. V. O'Brien. 150,096, June 29.
 Casing, Carpet sweeper. M. and J. de Kad. 148,773, Feb. 24.
 Casing, Circulating heater. C. G. Bjorncrantz. 149,610, May 18.
 Casing, Clock. F. Lux. 149,079, Mar. 23.
 Casing, Coffee-making apparatus. M. Blickman. 148,347, Jan. 13.
 Casing, Electric drier. E. S. Hewitt. 151,515, Oct. 26.
 Casing, Electric heater. W. W. Chatfield. 152,062, Dec. 14.
 Casing for a beverage dispenser. R. A. Nicholson. 150,026, June 22.
 Casing for a fan or the like. H. W. Eckles. 150,559, Aug. 17.
 Casing for a piano or similar article. J. Barofsky. 151,581, Nov. 2.
 Casing for a recorder or the like. G. H. Kress and C. W. Sundberg. 148,709, Feb. 17.

- Casing for a space heater. A. W. Becker. 150,673-4, Aug. 24.
- Casing for an electrical timer. J. W. Speaker. 148,336, Jan. 6.
- Casing for chronometric record device. A. E. Grant. 149,485, May 4.
- Casing for heater fan unit. R. R. Hutcheson. 150,360, July 27.
- Casing for service station dispensing apparatus. A. P. Hoppe. 151,759, Nov. 16.
- Casing for shower valve. H. H. Logan. 152,007, Dec. 7.
- Casing for vacuum cleaner. W. J. Russell. 148,329, Jan. 6.
- Casing for washing machine or the like. R. K. Kinoshita. 150,140, July 6.
- Casing, Heater. R. M. Pyle. 151,935, Nov. 30.
- Casing, Lamp. C. M. Cruze. 148,982, Mar. 16.
- Casing, Loud speaker. J. B. Doblin. 149,800-1, June 1.
- Casing, Microfilm-reader. N. S. Stern. 151,474, Oct. 19.
- Casing or the like, Recorder. G. H. Kress and C. W. Sundberg. 148,708, Feb. 17.
- Casing, Remote controller. L. Martling, Jr. 151,522, Oct. 26.
- Casing, Space heater. C. G. Bjornerantz. 151,487-8, Oct. 26.
- Casing, Space heater. J. O. Reinecke. 149,300-2, Apr. 13.
- Casing, Stove. E. F. Wilks. 148,739, Feb. 17.
- Casing, Suction cleaner. H. Dreyfuss. 149,477, May 4.
- Casing, Suction cleaner. H. Dreyfuss. 149,479, May 4.
- Casing, Suction cleaner. J. H. Muffer and L. H. Latta. 148,945, Mar. 9.
- Casing, Vacuum cleaner. H. S. Barnhart. 152,183, Dec. 28.
- Casing, Vacuum cleaner. A. G. Geistert. 150,220, July 13.
- Casing, Vacuum cleaner. J. G. Lippincott. 148,312, Jan. 6.
- Casing, Water heater. D. L. Raymond. 151,936, Nov. 30.
- Casket, Burial. A. T. Thygeson and P. Schladermundt. 151,421, Oct. 12.
- Casserole or the like. E. S. Zeisel. 149,722, May 18.
- Chafing dish. D. C. O'Connell. 150,157, July 6.
- Chain for a bracelet or similar article. M. Chernow. 151,682, Nov. 9.
- Chain for a bracelet or similar article, Expandable. A. W. Koppell. 150,505, Aug. 10.
- Chain for a bracelet or similar article, Expandable link. E. E. Fachon. 151,034, Sept. 21.
- Chain for a bracelet or similar article, Expandable link. E. E. Fachon. 151,230, Oct. 5.
- Chain for a bracelet or similar article, Flexible. V. A. Mazurk. 150,021, June 22.
- Chain for a bracelet or similar article, Link. P. Bardach. 150,332-6, July 27.
- Chain for a bracelet or similar article, Link. M. Chernow. 150,337-8, July 27.
- Chain for a bracelet or the like, Link. M. Chernow. 148,763, Feb. 24.
- Chain for a bracelet or the like, Link. M. Chernow. 149,473, May 4.
- Chain, Lingerie. O. E. Scarborough. 149,777, May 25.
- Chain link, Antiskid. C. H. Sloan. 149,096, Mar. 23.
- Chair. C. N. Alexander. 149,329-31, Apr. 20.
- Chair. J. D. Barber. 149,038, Mar. 23.
- Chair. S. Barille. 150,537, Aug. 17.
- Chair. H. S. Beall. 149,399, Apr. 27.
- Chair. R. A. Cramer. 148,286, Jan. 6.
- Chair. R. W. Crawford. 149,798, June 1.
- Chair. J. B. Cunningham. 150,339, July 27.
- Chair. J. B. Cunningham. 151,967, Dec. 7.
- Chair. W. C. Dinges. 150,759, Aug. 31.
- Chair. C. Eames. 150,683, Aug. 24.
- Chair. C. Eames. 150,685, Aug. 24.
- Chair. H. L. Logan. 150,076, June 29.
- Chair. W. C. Ross. 150,886, Sept. 7.
- Chair. J. C. Sanford. 152,129, Dec. 14.
- Chair. H. Sebel. 149,845, June 1.
- Chair. H. Sebel. 151,788, Nov. 16.
- Chair. E. J. Spence. 149,980, June 15.
- Chair. C. W. Sundberg. 149,982, June 15.
- Chair, Adjustable lounge. F. J. Luketa. 149,959, June 15.
- Chair and chest, Combination. H. P. Bennett. 148,744, Feb. 24.
- Chair, Baby. H. V. Noel. 148,380, Jan. 13.
- Chair back. C. J. Barecki. 150,535, Aug. 17.
- Chair, Bathroom vanity. E. J. Lux. 149,197, Apr. 6.
- Chair, Child's. D. O. Benson. 151,317, Oct. 12.
- Chair, Child's. H. C. Debo. 148,462, Jan. 27.
- Chair, Collapsible. A. H. Arndt. 149,926, June 15.
- Chair, Corner. R. Young. 148,511, Jan. 27.
- Chair end standard. W. H. Bond, Jr. 149,855, June 8.
- Chair end standard or the like, Opera. R. I. Anderson and B. Hoeker. 148,598, Feb. 10.
- Chair, Folding. W. H. Bond, Jr. 149,161, Apr. 6.
- Chair, Folding. W. E. Nordmark. 149,665, May 18.
- Chair, High. B. H. Hayes and R. G. Pierson, Jr. 149,637, May 18.
- Chair, Kitchen. E. Klipp. 149,652, May 18.
- Chair, Lawn. N. and F. Plourde. 148,391, Jan. 13.
- Chair, Lounge. F. J. Luketa. 149,658, May 18.
- Chair or similar article, Child's training. A. B. Sawyer. 148,960, Mar. 9.
- Chair or the like. R. Feraud. 151,617, Nov. 2.
- Chair, Rocking. E. Bird. 151,675, Nov. 9.
- Chair standard. W. H. Bond, Jr. 151,210, Oct. 5.
- Chair, Tilt-back. C. Eames. 150,684, Aug. 24.
- Chair, Tubular. H. J. Vetter. 148,504, Jan. 27.
- Chair, Upholstered. J. J. Modarelli. 150,721, Aug. 24.
- Chaise longue. A. Roth. 150,461, Aug. 8.
- Chaise longue. W. W. Vincent, Jr. 148,666, Feb. 10.
- Chaise longue. W. W. Vincent, Jr. 150,176, July 6.
- Charm or similar article. D. Gordon. 148,465, Jan. 27.
- Change purse and wallet, Combined. J. Rosenfeld. 150,658, Aug. 17.
- Check, Game. W. W. Taylor and L. McMenemy. 150,099, June 29.
- Chest and desk, Combined. D. B. and A. A. Allen. 151,949, Dec. 7.
- Chest for storing and displaying surgical instruments. A. Haller. 151,622, Nov. 2.
- Chest or similar article. A. J. Buckner. 150,823, Sept. 7.
- Chest or similar article, Portable storage. S. M. Meyer. 151,281, Oct. 5.
- Chicken fryer. E. O. Mehline. 151,854, Nov. 23.
- Chopper, Food. F. P. Hess and H. A. Wormeck. 151,514, Oct. 26.
- Chopper or similar article, Food. W. R. Amstutz. 149,603, May 18.
- Christmas tree ornament. V. P. O'Brien. 149,967, June 15.
- Churn. J. P. Dazey. 150,115, July 6.
- Cigarette and cigar case. S. J. Glowiak. 150,354, July 27.
- Cigarette case and lighter, Combined. J. P. Partlow. 151,912, Nov. 30.
- Cigarette container and lamp, Combined. C. J. Zahn. 150,528, Aug. 10.
- Cigarette humidor or the like. P. B. Walters. 150,179, July 6.
- Cigarette lighter. R. Wolanske. 151,202, Sept. 28.
- Cigarette lighter and case, Combined. R. W. Snodgrass. 148,650, Feb. 10.
- Cigarette pack and match holder, Combined. J. L. Mack, Sr. 152,201, Dec. 28.
- Circuit interrupter. H. L. Rawlings and J. M. Wallace. Re. 23,033, Aug. 31.
- Circular hassock and coffee table, Combination. G. C. Guertin. 151,984, Dec. 7.
- Circulator, Air. J. W. Kisling. 149,133, Mar. 30.
- Clamp, I-beam. W. T. Graham. 150,131, July 6.
- Clasp. H. C. Rood. 149,023, Mar. 16.
- Clasp for handbag frame or the like. R. T. Sporman. 148,489-95, Jan. 27.
- Claw, Milking machine. G. A. Anderson. 150,047, June 29.
- Claw, Milking machine. E. Rawson. 151,003, Sept. 14.
- Cleaner, Spark plug. F. A. Vogel. 150,740, Aug. 24.
- Cleaner, Vacuum. G. W. Florian. 150,690, Aug. 24.
- Cleaner, Vacuum. H. C. Lilly. 148,311, Jan. 6.
- Cleaner, Vacuum. E. P. Turner and C. F. Neagle. 149,528, May 4.
- Clip and pencil, Combined tie. R. B. Maxwell. 149,288, Apr. 13.
- Clip for mirrors or glass panels. E. W. Clark. 151,597, Nov. 2.
- Clip, Fountain pen. J. Wallace. 148,966, Mar. 9.
- Clip, Hair. B. D'Alberto. 148,461, Jan. 27.
- Clip or similar article. M. Boucher. 151,734-5, Nov. 16.
- Clip or similar article. A. Katz. 150,976, Sept. 14.
- Clip or similar article. A. Katz. 151,245, Oct. 5.
- Clip or similar article. A. Philippe. 151,176, Sept. 28.
- Clip or similar article. A. Philippe. 151,392, Oct. 12.
- Clip or similar article, Pin. A. Philippe. 148,389, Jan. 13.
- Clip or similar article, Pin. A. Philippe. 148,435, Jan. 20.
- Clip or similar article, Pin. A. Philippe. 148,567, Feb. 3.
- Clip, Watch band. G. M. Elleson. 152,147, Dec. 21.
- Clock. W. A. Clarke, Jr. 148,284, Jan. 6.
- Clock. T. D. Di Addario. 150,555-6, Aug. 17.
- Clock. E. M. Fenenbock. 150,832, Sept. 7.
- Clock. J. A. C. Keane. 148,307, Jan. 6.
- Clock. B. Lerman. 149,003-6, Mar. 16.
- Clock. B. Lerman. 152,004, Dec. 7.
- Clock. C. E. Murphy. 150,089-91, June 29.
- Clock. A. J. Nelson. 150,804, Aug. 31.
- Clock. M. E. Schlenker. 149,091, Mar. 23.
- Clock. W. F. Thompson. 151,300, Oct. 5.
- Clock, Advertising wall. M. Smole and L. Berg. 149,703, May 18.
- Clock and plant receptacle, Combined mantel. N. H. Abrams. 148,597, Feb. 10.
- Clock and supporting easel therefor, Combined. S. J. Kaufman. 150,987, Sept. 14.
- Clock case and picture frame, Combined. F. P. Mandel. 150,081, June 29.
- Clock dial or similar article. J. Hanna. 151,634, Nov. 2.
- Clock, Electric. A. J. Nelson. 149,767, May 25.
- Clock or similar article. J. M. Janes. 150,574, Aug. 17.
- Clock, radio, and lamp, Combination. A. I. Shapiro. 151,660, Nov. 2.
- Clock, telephone stand, and calendar, Combined illuminable. M. J. Brusseau. 150,676, Aug. 24.
- Clock thermostat. C. G. Kronmiller. 151,905, Nov. 30.
- Clock, Wall. G. W. Florian. 148,923, Mar. 9.
- Closure for bung holes or the like. J. Levine. 149,074, Mar. 23.
- Clothes hanger. L. S. Keefer. 151,372, Oct. 12.

- Clothespin. W. H. Coble. 149,111, Mar. 30.
 Clothespin. H. A. Fauteux, Jr. 148,526, Feb. 3.
 Clothespin. V. J. Jacobsen. 149,755, May 25.
 Clothespin. O. V. Johnson. 149,877, June 8.
 Clothespin. F. F. Renzi. 148,328, Jan. 6.
 Club, Golf. A. and S. N. Liohich. 148,805, Feb. 24.
 Coaster. G. H. Wright-Clark. 150,103, June 29.
 Coaster and ash tray, Combined. W. E. Jenkins. 151,449, Oct. 19.
 Coaster or similar article. H. A. Ganser. 148,925, Mar. 9.
 Coat. D. Bellsey. 149,732, May 25.
 Coat. S. Cohen. 150,209, July 13.
 Coat. H. Goldberg. 150,945, Sept. 14.
 Coat. H. Goldberg. 151,818-20, Nov. 23.
 Coat. H. Redman. 150,253, July 13.
 Coat. G. Reiter. 151,190, Sept. 28.
 Coat. J. F. Strassner. 150,322, July 20.
 Coat. J. F. Strassner. 150,909, Sept. 7.
 Coat. J. F. Strassner. 151,083, Sept. 21.
 Coat, Fur. J. Weckstein. 151,573, Oct. 26.
 Coat, Work. H. C. Cookman. 148,912, Mar. 9.
 Coffee maker, Vacuum. H. Wohl. 150,482, Aug. 3.
 Coffee mill. R. L. Schuhmann. 150,734, Aug. 24.
 Coffeepot or the like. E. S. Zeisel. 148,901, Mar. 2.
 Coffee table and bar, Combination. G. Douglas. 149,862, June 8.
 Coffee table and bar, Combination. G. Douglas. 152,143, Dec. 21.
 Coffee table or similar article. D. R. Johnson. 150,365, July 27.
 Coin bank or similar article. S. L. Seymour. 149,093, Mar. 23.
 Coin head. J. W. Nimitz. 152,121, Dec. 14.
 Collar or similar article, Bead. J. Harber. 151,512, Oct. 26.
 Collar or similar article, Embroidered lace. W. Kohn. 149,421-3, Apr. 27.
 Comb. J. Frickel. 151,753, Nov. 16.
 Comb. C. C. Holden. 150,231, July 13.
 Comb. E. J. Lux. 148,713, Feb. 17.
 Comb. L. T. Sawyer. 150,319, July 20.
 Comb. J. Simon and P. Klein. 150,375, July 7.
 Comb and nail file container or the like, Combined. J. S. McHugh. 150,309, July 20.
 Comb and receptacle, Combined. J. Oriolo and M. Shull. 148,382, Jan. 13.
 Comb, Hair. A. Bresn. 151,427, Oct. 19.
 Comb holder and wall cabinet, Combined. S. Strick. 152,039, Dec. 7.
 Comb, Measuring. R. Wheeler and R. F. Cozad. 149,393, Apr. 20.
 Comb, Transparent. L. S. Utley. 150,039, June 22.
 Combined bracelet and watch casing. M. Geduldig. 150,127-9, July 6.
 Combined handle and teething ring or similar article. M. Davis. 150,114, July 6.
 Commemorative novelty. A. G. Lorimer. 150,078, June 29.
 Commode. A. J. Buckner. 151,962, Dec. 7.
 Commode. A. J. Buckner. 151,964, Dec. 7.
 Commode. J. G. Leslie and L. N. Robinson. 149,957, June 15.
 Communicating unit and accounting device, Combined inter-office. M. E. Harris. 149,635, May 18.
 Communications unit or the like. L. J. Hruska and W. W. Garbutt. 150,861, Sept. 7.
 Communion set, Dual cross. D. Goudreau. 148,467, Jan. 27.
 Compact and lipstick holder, Combined. A. Olevin. 148,815, Feb. 24.
 Compact and scent spray, Combined. R. Bugbee. 150,826, Sept. 7.
 Compact or similar article. W. H. Leavin. 150,075, June 29.
 Comparator, Color. M. Resnick. 149,840, June 1.
 Compartment for airplanes or similar device, Cargo. H. L. Hibbard. 149,555, May 11.
 Compass, Auto. B. E. Sherrill. 148,962, Mar. 9.
 Compass, protractor, and ruler, Combination. W. E. Owen, Jr. 148,434, Jan. 20.
 Compressor. W. P. Peterson. 149,207, Apr. 6.
 Condiment and clock unit for cooking stoves. R. I. Felver. 150,344, July 27.
 Connector, Adjustable line. E. H. Karleen. 148,933, Mar. 9.
 Container and wrench set unit, Combined. D. Kane. 148,422, Jan. 20.
 Container, Articulate poker chip. B. J. Bratt. 149,930, June 15.
 Container, Boxlike. W. A. Eaton. 149,174, Apr. 6.
 Container, Cargo. M. B. Crawford and E. C. Mitchell. 152,140-1, Dec. 21.
 Container, Cigarette. J. B. Stier. 150,268, July 13.
 Container, Cigarette. R. Webber. 149,597, May 11.
 Container closure or similar article. M. H. Conman. 149,617, May 18.
 Container, Combined cigarette and jewelry. M. Giannillo. 150,292, July 20.
 Container, Combination cigarette and match. H. E. Larson. 152,164, Dec. 21.
 Container, Condiment. J. E. Davis. 149,049, Mar. 23.
 Container, Cosmetic. P. L. Schluttig. 152,026-7, Dec. 7.
 Container, Display. F. P. Holden. 150,500, Aug. 10.
 Container, Egg. F. K. Lewis and E. Trout. 148,804, Feb. 24.
 Container for a perfume bottle or the like. G. Baud. 151,729, Nov. 16.
 Container for a perfume bottle or the like. E. N. Graham. 148,619, Feb. 10.
 Container for adhesive tape or the like. H. I. Salsbury. 150,160, July 6.
 Container for carving implements. J. E. and W. J. Case. 149,540, May 11.
 Container for liquid cosmetics. M. Herrera, Jr. 150,854, Sept. 7.
 Container for pens and pencils. V. Civita. 148,457, Jan. 27.
 Container for perfume bottle or similar article. L. Lelong. 148,310, Jan. 6.
 Container for perfume bottles or the like. G. Baud. 151,730, Nov. 16.
 Container for perfumed bath tablets or the like. E. N. Graham. 151,884, Nov. 30.
 Container for poker chips. J. Foier. 148,685, Feb. 17.
 Container for toys and the like. T. B. Hodge. 148,700, Feb. 17.
 Container, Lipstick. J. von Miklos. 149,711, May 18.
 Container or similar article, Plant. U. Solstone. 149,979, June 15.
 Container or the like, Luminous plant. V. Sherry and H. A. and G. F. Plocky. 149,384-5, Apr. 20.
 Container or the like, Perfume. A. Levy. 149,504, May 4.
 Container or the like, Refrigerator. H. S. Zaikaner. 150,045, June 22.
 Control column. R. E. Bingman. 150,748, Aug. 31.
 Control unit. C. J. Daubenberger. 148,914, Mar. 9.
 Control unit for return of condensate to boiler, Steam system. L. Tiller. 152,044, Dec. 7.
 Cooker, Barbecue. D. Nassif. 148,943, Mar. 9.
 Cooker, Pressure. H. E. Brannon. 148,605-6, Feb. 10.
 Cooker, Pressure. E. W. La Barre. 151,458, Oct. 19.
 Cooker, Pressure. S. E. Richeson and J. A. Allegro. 148,442, Jan. 20.
 Cooker, Pressure. W. A. Welden. 148,833, Feb. 24.
 Cooker, Wiener. R. W. Hays. 150,012, June 22.
 Cooking appliance, Electric. C. Karstadt. 152,090-1, Dec. 14.
 Cookstove, Gas. M. Ferar. 150,688, Aug. 24.
 Cookstove, Gas. H. M. Reeves and M. Ferar. 150,516, Aug. 10.
 Cookstove, Gas. H. M. Reeves and M. Ferar. 150,728, Aug. 24.
 Cooky. W. O. Forrer. 150,834-45, Sept. 7.
 Cooky jar. R. J. Falk. 151,810, Nov. 23.
 Cooler casing, Evaporative. O. C. Palmer. 150,440, Aug. 3.
 Cooler or similar article, Water. J. J. Corey. 149,257, Apr. 13.
 Cork screw. M. T. McDowell. 148,810, Feb. 24.
 Corkscrew and bottle opener, Combination. P. Wyler. 148,345, Jan. 6.
 Cornice or similar article, Window. S. G. Cline. 150,554, Aug. 17.
 Costumer or the like. L. S. Crain. 151,220, Oct. 5.
 Counter, Stockroom. E. W. Moseley. 149,512, May 4.
 Coupler for towing vehicles. A. Denney. 151,604, Nov. 2.
 Cover, Book. P. M. Brown. 148,674, Feb. 17.
 Cover for a suction cleaner casing or similar article, End. H. Dreyfuss. 149,475-6, May 4.
 Cover for a suction cleaner casing or similar article, End. H. Dreyfuss. 149,480-1, May 4.
 Cover for the serving bowl of a coffee maker. D. Chapman. 148,677, Feb. 17.
 Cover or similar article, Automobile seat. I. Herman. 148,352-3, Jan. 13.
 Cover or similar article, Wheel. G. A. Lyon. 148,937, Mar. 9.
 Cover or the like, Wheel. G. A. Lyon. 149,576, May 11.
 Cover plate, Electrical push button. W. Huppert. 152,087, Dec. 14.
 Cradle. F. E. Kabase. 150,956, Sept. 14.
 Cradle for telephone handset, Auxiliary. H. B. Stofer. 149,455, Apr. 27.
 Crane, Bridge. F. M. Gustafson and J. M. Little. 152,197, Dec. 28.
 Crate and carrier, Molded bottle. McC. Shank. 148,488, Jan. 27.
 Creamer. E. S. Zeisel. 149,724, May 18.
 Crèche. W. Niederhausen and C. D. Hamilton. 148,319, Jan. 6.
 Credenza or similar article. A. J. Buckner. 150,824-5, Sept. 7.
 Creeper, Utility, with illuminator or the like. S. J. Lucas. 152,008, Dec. 7.
 Crib and bureau, Combined. J. Staartjes. 152,130, Dec. 14.
 Crib, Collapsible. A. W. Kunz. 152,002, Dec. 7.
 Cribbage board. R. O. Evans. 149,863, June 8.
 Cuff link or similar article. I. M. Lang. 151,459, Oct. 19.
 Cup and saucer display stand, Combined. J. P. Faeder. 150,686, Aug. 24.
 Cup, Child's metal drinking. K. A. Dingeldein. 149,799, June 1.
 Cup or similar article. V. Ross. 148,580, Feb. 3.
 Cupboard, table and benches, Combination. H. H. Twente. 148,449, Jan. 20.

- Curio shelf. E. J. Spence. 150,376, July 27.
 Curler and comb, Combined hair. M. Petitta. 149,769, May 25.
 Curler, Hair. J. H. Atwood. 150,105, July 6.
 Curtain ring, Shower. C. E. Stephenson and H. D. Schmidt. 150,380, July 27.
 Cushion seat for toilet cover. F. H. Fielding. 149,626, May 18.
 Cuspidor unit, Dental. E. J. Wester. 148,834, Feb. 24.
 Cutter, Combined biscuit, doughnut, and pastry. E. J. Kilgore. 151,049, Sept. 21.
 Cutter, Vegetable. C. B. and C. T. Ingram. 148,703, Feb. 17.
 Darnier. R. J. Falk. 149,625, May 18.
 Decalcomania sheet for aquarium tank. S. Stern. 149,917, June 8.
 Decanter or the like. E. S. Rixson. 149,089, Mar. 23.
 Decorative unit or the like, Counter. H. A. Bahr. 151,424, Oct. 19.
 Decoy, Molded pulp. R. T. Williams. 148,507-8, Jan. 27.
 Deflector for infant's toilet seat. S. G. Zuckerman. 148,512, Jan. 27.
 Desk. J. Barofsky. 151,425, Oct. 19.
 Desk. B. L. Fay. 148,774-5, Feb. 24.
 Desk. C. E. Jones. 149,416-18, Apr. 27.
 Desk and bookcase, Combined. P. L. Peterson. 150,883, Sept. 7.
 Desk, Child's. P. P. Cameron. 151,218, Oct. 5.
 Desk, Control. L. Knip. Jr. 149,885, June 8.
 Desk for use with dictating machine transcribing devices, Typewriter. J. S. Burdick and C. S. Fairbank. Re. 23,025, Aug. 17.
 Desk unit. B. T. Bowers. 151,959, Dec. 7.
 Desk unit, Combination. C. H. Beatty. 149,335, Apr. 20.
 Desk unit, Combination. H. I. Salsbury. 149,228, Apr. 6.
 Desk unit, Multiple. B. L. Fay. 148,776, Feb. 24.
 Desk, Wall. E. G. Fossum and S. J. Ziellinski. 149,627, May 18.
 Desk with external shelves. F. P. Fletcher. 149,804, June 1.
 Developing tank, or similar article, Photographic film. T. G. W. Nevell. 148,814, Feb. 24.
 Device for dispensing liquid in sprayed or gaseous form. H. R. Stagner. 151,293, Oct. 5.
 Device for releasing snagged fishing lures or baits. E. F. McDonald, Jr. 148,809, Feb. 24.
 Dial and hands for a clock, Combined. W. C. Jenkins. 152,199, Dec. 28.
 Dial, Watch. A. Goodkind. 150,628, Aug. 17.
 Dice game device. E. E. Southwell. 151,562, Oct. 26.
 Dicing machine, Steak. J. Lovse. 150,079, June 29.
 Dictating machine. C. W. Dann, G. F. Braun, and R. M. Somers. 152,142, Dec. 21.
 Dining table and writing desk, Combined. M. Sanders. 151,287, Oct. 5.
 Dish. A. L. Suman. 148,891, Mar. 2.
 Dish, Baby. D. Chapman and W. Ramsay. 150,288, July 20.
 Dish or similar article. G. A. Baker. 149,606, May 18.
 Dish, Soap. J. Bozoti. 150,750, Aug. 31.
 Dish, Soap. A. M. Gardner. 150,761, Aug. 31.
 Dish, Soap. L. Sahley. 149,908, June 8.
 Dishier, Ice cream. L. Myers. 149,766, May 25.
 Dishwashing appliance. L. L. Anderson and R. F. Heferan. 150,915, Sept. 14.
 Dispenser. W. C. Stauffer. 150,265, July 13.
 Dispenser, Beverage. A. R. Burgess. 150,827, Sept. 7.
 Dispenser, Beverage. R. A. Doyle and S. V. Dawson. 148,409, Jan. 20.
 Dispenser, Beverage. P. M. Fuller. 148,463, Jan. 27.
 Dispenser, Beverage. C. W. Lloyd. 151,779, Nov. 16.
 Dispenser, Beverage. R. Loewy. 149,656, May 18.
 Dispenser, Beverage. A. Naiden. 148,942, Mar. 9.
 Dispenser, Beverage. A. Naiden. 151,650, Nov. 2.
 Dispenser cabinet for paper cups or the like. A. A. Perelman. 152,210, Dec. 28.
 Dispenser, Cigarette. W. Abrams. 149,328, Apr. 20.
 Dispenser, Cigarette. D. W. Dunberg. 150,495, Aug. 10.
 Dispenser, Cigarette. C. Kutik. 151,376, Oct. 12.
 Dispenser, Cigarette. D. Nusbaum. 149,371, Apr. 20.
 Dispenser, Cigarette. M. Satloff. 148,581, Feb. 3.
 Dispenser, Cigarette. D. Volpe. 152,047, Dec. 7.
 Dispenser, Condiment. C. A. Kurrash. 149,425, Apr. 27.
 Dispenser for canned liquids. F. J. Strodel. 152,040, Dec. 7.
 Dispenser, Match book. H. W. Burge. 149,733, May 25.
 Dispenser, Napkin. A. E. Coffrin and S. N. Hope. 148,285, Jan. 6.
 Dispenser or similar article, Coffee. C. Stern. 148,448, Jan. 20.
 Dispenser or the like, Powdered soap. B. B. Gilmore. 150,353, July 27.
 Dispenser, Perfume. L. J. Biro. 149,400, Apr. 27.
 Dispenser, Salad. M. E. Ryan. 148,959, Mar. 9.
 Dispenser, Salt and pepper. F. P. Hamrah. 148,988, Mar. 16.
 Dispenser set, Condiment. W. E. Ballard. 148,452, Jan. 27.
 Dispenser, Toilet tissue. B. C. Roche. 148,484, Jan. 27.
 Dispenser, Toothpick. C. Koenig. 151,773, Nov. 16.
 Dispensing device for collapsible tube. W. E. Richardson. 150,885, Sept. 7.
 Dispensing device for dog biscuits or the like. F. E. Welsh. 151,722, Nov. 9.
 Dispensing head for a butane system. S. L. Pitzer. 150,459, Aug. 3.
 Dispensing head or the like. F. P. Pla. 148,482, Jan. 27.
 Dispensing implement, Ice cream. A. H. Petersen. 149,671, May 18.
 Dispensing machine, Beverage. L. Arnett. 150,916, Sept. 14.
 Dispensing machine, Popcorn. F. P. Emerson. 151,033, Sept. 21.
 Dispensing unit, Dental. F. J. Hayman. 151,988, Dec. 7.
 Dispensing unit, Ice cream. W. M. Harris. 149,872, June 8.
 Display box, Watch and jewelry. S. Braun. 151,679, Nov. 9.
 Display carton. J. G. Fettingier. 152,069, Dec. 14.
 Display case. A. M. Travis. 149,990-1, June 15.
 Display case, Cutlery. H. M. Schick. 152,219, Dec. 28.
 Display case for bottles or the like. L. Fine. 151,971.
 Display case, Merchandise. H. P. Glass. 151,342, Oct. 12.
 Display case, Self-service refrigerated. E. F. Brill. 151,681, Nov. 9.
 Display device. H. W. Broadbent. 148,607, Feb. 10.
 Display device. H. Scaman. 150,162, July 6.
 Display device or similar article, Merchandise. E. P. Price, Jr. 149,376, Apr. 20.
 Display dispenser. R. G. Jones. 151,048, Sept. 21.
 Display figure. A. Osborne. 150,028, June 22.
 Display fixture, Bottle. W. I. Carr. 152,061, Dec. 14, Dec. 7.
 Display lamp, Merchandising counter. C. S. Rosenberg. 151,411, Oct. 12.
 Display rack, Merchandise. M. E. Haney. 149,941, June 15.
 Display sign. E. C. Uihlein. 151,105, Sept. 21.
 Display stand. P. M. Rensinger. 150,030, June 22.
 Display stand and perfume bottles, Combined. V. Civita. 149,251, Apr. 13.
 Display stand for watch bracelets and bands. C. A. Mealy. 151,462, Oct. 19.
 Display stand or similar article. R. Epstein. 151,435, Oct. 19.
 Display stand or similar article. L. Martling, Jr. 152,111, Dec. 14.
 Display stand or similar article. M. H. Newman. 149,294, Apr. 13.
 Display stand or similar article. M. H. Newman. 149,966, June 15.
 Display stand, Overhead counter. S. Malkin. 149,080, Mar. 23.
 Display stand unit, Sectional. N. S. Irwin. 150,954, Sept. 14.
 Display unit, Refrigerated. J. V. Avila. 149,036, Mar. 23.
 Divider for a milk bottle case or the like. E. R. Erickson. 150,496, Aug. 10.
 Dog bed or similar article. P. E. Shoemaker and L. L. Lewis. 151,291, Oct. 5.
 Doll. E. E. Brandenburg. 149,402, Apr. 27.
 Doll. R. De Vries. 149,172, Apr. 6.
 Doll. A. Fine. 152,149, Dec. 21.
 Doll. A. S. Hammerly. 150,227, July 13.
 Doll. F. B. Salter. 152,123, Dec. 14.
 Doll, Child's. H. R. Farnam and B. S. Wheeler. 151,338, Oct. 12.
 Doll or similar article. L. G. McDonald. 150,638, Aug. 17.
 Doll or similar article. C. R. White. 149,530, May 4.
 Doll, Roly-poly. I. Cohn. 149,935, June 15.
 Dolly, Camera. H. W. Houston. 149,412, Apr. 27.
 Dolly for transporting airplanes or the like. M. C. Snyder. 150,264, July 13.
 Doily or similar article, Rubber. J. E. Flaker. 148,609, Feb. 10.
 Doily or the like, Crocheted. M. R. Craig. 150,828, Sept. 7.
 Dome light for automotive vehicles, External. M. J. Kately and E. M. Peckwas. 151,351, Oct. 12.
 Door handle or similar article for an automobile vehicle, Outside. G. M. Haviland. 151,345, Oct. 12.
 Door handle or similar article for an automotive vehicle, Outside. C. M. MacKichan. 151,379, Oct. 12.
 Door knocker. H. Cohn. 151,873, Nov. 30.
 Door knocker. E. T. Fraim, II. 151,443, Oct. 19.
 Door panel or similar article, Adjustable screen. A. A. Klingbiel. 151,852, Nov. 23.
 Door pull. L. L. Kadleck. 151,131, Sept. 28.
 Dough extrusion device or like article. S. Cenci. 151,322, Oct. 12.
 Doughnut machine, Automatic. E. J. Roth. 152,170, Dec. 21.
 Drainer, Bottle. H. Roe. 151,192, Sept. 28.
 Drawer pull. R. W. Gane. 151,689, Nov. 9.
 Drawer pull. W. A. Kendall. 151,373-4, Oct. 12.
 Drawer pull. E. B. Lee. 150,307, July 20.
 Drawer pull and label holder, Combined. G. S. Underwood. 150,912, Sept. 7.
 Dress. J. L. Asteroff. 151,316, Oct. 12.
 Dress. G. Constantine. 151,329, Oct. 12.
 Dress. B. Cooper and S. S. Bickel. 149,048, Mar. 23.
 Dress. J. Frazita. 148,779, Feb. 24.
 Dress. I. Glickman. 148,781, Feb. 24.

- Dress. L. Hoshafian. 150,768, Aug. 31.
 Dress. B. Hurwitz. 148,857, Mar. 2.
 Dress. B. Hurwitz. 148,990, Mar. 16.
 Dress. M. Macpherson. 148,628-30, Feb. 10.
 Dress. M. Macpherson. 151,057-8, Sept. 21.
 Dress. M. Macpherson. 151,702, Nov. 9.
 Dress. R. Malluk. 149,286-7, Apr. 13.
 Dress. K. Rost. 148,649, Feb. 10.
 Dress. K. Rost. 149,774, May 25.
 Dress. K. Rost. 150,518, Aug. 10.
 Dress. M. Satin. 150,811-2, Aug. 31.
 Dress. J. F. Strassner. 148,590-3, Feb. 3.
 Dress. J. F. Strassner. 148,653-62, Feb. 10.
 Dress. J. F. Strassner. 148,890, Mar. 2.
 Dress. J. F. Strassner. 150,267, July 13.
 Dress. J. F. Strassner. 150,321, July 20.
 Dress. J. F. Strassner. 150,897-908, Sept. 7.
 Dress. J. F. Strassner. 151,094-96, Sept. 21.
 Dress. J. F. Strassner. 151,093, Sept. 21.
 Dress. J. F. Strassner. 151,563, Oct. 26.
 Dress. J. F. Strassner. 151,565-6, Oct. 26.
 Dress. J. F. Strassner. 151,568, Oct. 26.
 Dress. V. Tomshinsky. 151,104, Sept. 21.
 Dress. A. Waite. 150,741, Aug. 24.
 Dress. J. Walker. 148,505, Jan. 27.
 Dress. J. Walker. 150,525, Aug. 10.
 Dress ensemble. J. Kipness. 149,272, Apr. 13.
 Dress ensemble. J. F. Strassner. 150,737, Aug. 24.
 Dress ensemble. J. F. Strassner. 150,910, Sept. 7.
 Dress ensemble. J. F. Strassner. 151,097, Sept. 21.
 Dress ensemble. J. F. Strassner. 151,197, Sept. 28.
 Dress ensemble. J. F. Strassner. 151,564, Oct. 26.
 Dress ensemble. J. F. Strassner. 151,567, Oct. 26.
 Dresser. A. J. Buckner. 151,589, Nov. 2.
 Drier or similar article, Clothes. H. W. Miller. 150,022, June 22.
 Dry cleaning machine. C. F. Dinley. 150,558, Aug. 17.
 Drill, Hand. W. B. Ruger. 149,843, June 1.
 Drill or similar article, Hand. J. W. Rundt. 149,776, May 25.
 Drinking fountain or similar article. R. H. Tull. 151,800, Nov. 16.
 Duplicating machine. A. H. Geib. 151,975, Dec. 7.
 Duster, Household. D. Heller. 151,623, Nov. 2.
 Ear clip finding. K. F. Hoeckele. 151,130, Sept. 28.
 Earring. H. Bogoff. 148,278-80, Jan. 6.
 Earring. H. Bogoff. 148,406, Jan. 20.
 Earring. H. Bogoff. 151,867, Nov. 30.
 Earring. M. Boucher. 150,546, Aug. 17.
 Earring. A. Katz. 148,360, Jan. 13.
 Earring. A. Katz. 149,883, June 8.
 Earring. G. Leary. 149,367, Apr. 20.
 Earring. A. R. Lo Curto. 150,018, June 22.
 Earring and barrette, Combined. A. Wrazlowsky. 150,185, July 6.
 Earring or similar article. L. G. Arpin. 148,599-600, Feb. 10.
 Earring or similar article. L. G. Arpin. 151,673-4, Nov. 9.
 Earring or similar article. M. Boucher. 151,808, Nov. 23.
 Earring or similar article. M. Chernow. 149,167-8, Apr. 6.
 Earring or similar article. M. Chernow. 150,054-7, June 29.
 Earring or similar article. M. Chernow. 150,109, July 6.
 Earring or similar article. M. Chernow. 150,204, July 13.
 Earring or similar article. M. Chernow. 150,549-50, Aug. 17.
 Earring or similar article. M. Chernow. 150,553, Aug. 17.
 Earring or similar article. M. Chernow. 150,678, Aug. 24.
 Earring or similar article. M. Chernow. 150,756, Aug. 31.
 Earring or similar article. M. Chernow. 150,927-32, Sept. 14.
 Earring or similar article. G. E. Fearn. 148,410, Jan. 20.
 Earring or similar article. S. Hobe. 149,494, May 4.
 Earring or similar article. A. Katz. 148,304, Jan. 6.
 Earring or similar article. A. Katz. 148,361, Jan. 13.
 Earring or similar article. A. Katz. 148,424-7, Jan. 20.
 Earring or similar article. A. Katz. 148,429, Jan. 20.
 Earring or similar article. A. Katz. 148,472, Jan. 27.
 Earring or similar article. A. Katz. 148,869-71, Mar. 2.
 Earring or similar article. A. Katz. 148,873-4, Mar. 2.
 Earring or similar article. A. Katz. 149,000, Mar. 16.
 Earring or similar article. A. Katz. 149,762, May 25.
 Earring or similar article. A. Katz. 149,879, June 8.
 Earring or similar article. A. Katz. 150,300, July 20.
 Earring or similar article. A. Katz. 150,304, July 20.
 Earring or similar article. A. Katz. 150,430, Aug. 3.
 Earring or similar article. A. Katz. 150,584, Aug. 17.
 Earring or similar article. A. Katz. 150,586, Aug. 17.
 Earring or similar article. A. Katz. 150,590, Aug. 17.
 Earring or similar article. A. Katz. 150,594, Aug. 17.
 Earring or similar article. A. Katz. 150,597, Aug. 17.
 Earring or similar article. A. Katz. 150,610, Aug. 17.
 Earring or similar article. A. Katz. 150,617, Aug. 17.
 Earring or similar article. A. Katz. 150,700, Aug. 24.
 Earring or similar article. A. Katz. 150,702-5, Aug. 24.
 Earring or similar article. A. Katz. 150,707, Aug. 24.
 Earring or similar article. A. Katz. 150,710, Aug. 24.
 Earring or similar article. A. Katz. 150,775-6, Aug. 31.
 Earring or similar article. A. Katz. 150,779-80, Aug. 31.
 Earring or similar article. A. Katz. 150,786, Aug. 31.
 Earring or similar article. A. Katz. 150,979-80, Sept. 14.
 Earring or similar article. A. Katz. 150,984, Sept. 14.
 Earring or similar article. A. Katz. 150,986, Sept. 14.
 Earring or similar article. A. Katz. 151,132, Sept. 28.
 Earring or similar article. A. Katz. 151,134-6, Sept. 28.
 Earring or similar article. A. Katz. 151,138-9, Sept. 28.
 Earring or similar article. A. Katz. 151,141, Sept. 28.
 Earring or similar article. A. Katz. 151,143, Sept. 28.
 Earring or similar article. A. Katz. 151,145, Sept. 28.
 Earring or similar article. A. Katz. 151,148, Sept. 28.
 Earring or similar article. A. Katz. 151,150, Sept. 28.
 Earring or similar article. A. Katz. 151,152-4, Sept. 28.
 Earring or similar article. A. Katz. 151,263, Oct. 5.
 Earring or similar article. A. Katz. 151,516-17, Oct. 26.
 Earring or similar article. A. Katz. 151,766, Nov. 16.
 Earring or similar article. A. Katz. 151,900, Nov. 30.
 Earring or similar article. A. Katz. 152,098-9, Dec. 14.
 Earring or similar article. A. Katz. 152,101, Dec. 14.
 Earring or similar article. A. Katz. 152,107, Dec. 14.
 Earring or similar article. P. Kaufman. 149,560, May 11.
 Earring or similar article. A. Philippe. 148,386, Jan. 13.
 Earring or similar article. A. Philippe. 148,437, Jan. 20.
 Earring or similar article. A. Philippe. 148,885, Mar. 2.
 Earring or similar article. A. Philippe. 149,014, Mar. 16.
 Earring or similar article. A. Philippe. 149,018-19, Mar. 16.
 Earring or similar article. A. Philippe. 149,211, Apr. 6.
 Earring or similar article. A. Philippe. 149,583, May 11.
 Earring or similar article. A. Philippe. 150,443-5, Aug. 3.
 Earring or similar article. A. Philippe. 150,448, Aug. 3.
 Earring or similar article. A. Philippe. 150,514, Aug. 10.
 Earring or similar article. A. Philippe. 150,649, Aug. 17.
 Earring or similar article. A. Philippe. 151,069, Sept. 21.
 Earring or similar article. A. Philippe. 151,164-8, Sept. 28.
 Earring or similar article. A. Philippe. 151,175, Sept. 28.
 Earring or similar article. A. Philippe. 151,182, Sept. 28.
 Earring or similar article. A. Philippe. 151,184, Sept. 28.
 Earring or similar article. A. Philippe. 151,187, Sept. 28.
 Earring or similar article. A. Philippe. 151,387-8, Oct. 12.
 Earring or similar article. A. Philippe. 151,531-4, Oct. 26.
 Earring or similar article. A. Philippe. 151,539, Oct. 26.
 Earring or similar article. A. Philippe. 151,543, Oct. 26.
 Earring or similar article. A. Philippe. 151,547, Oct. 26.
 Earring or similar article. A. Philippe. 151,918-19, Nov. 30.
 Earring or similar article. A. Philippe. 151,925, Nov. 30.
 Earring or similar article. J. G. Post. 150,029, June 22.
 Earring or similar article. H. Zweig. 148,513, Jan. 27.
 Earring or the like. M. Chernow. 149,169-70, Apr. 6.
 Earring or the like. M. Chernow. 150,203, July 13.
 Earring or the like. M. Chernow. 150,551-2, Aug. 17.
 Earring or the like. M. Chernow. 151,325-6, Oct. 12.
 Educational appliance. E. Berman. 149,106, Mar. 30.
 Educational cards, Set of. S. Kaufer. 148,705, Feb. 17.
 Educational device. W. R. Holt. Re. 23,030, Aug. 24.
 Egg opener and divider or similar article. V. E. Murray. 150,438, Aug. 3.
 Egg tray or the like. H. C. Gulley. 150,414, Aug. 3.
 Ejector pump and strainer base plate, Combined. W. B. Harris. 151,757, Nov. 16.
 Electric irradiation device of the like. J. Radinsky. 149,299, Apr. 13.
 Electric rectifier, Portable. D. Chapman. 149,166, Apr. 6.
 Electric stove, Portable. M. J. Auer and T. E. Grade. 150,881, July 27.
 Electric switch housing. P. A. Celander. 149,109, Mar. 30.
 Electroacoustic transducer. F. Massa. 149,826, June 1.
 Emblem or similar article, Applique. A. G. Lorimer. 150,077, June 29.
 Embossed leather or similar article. S. B. Freedman. 149,805, June 1.
 Embroidered trimming. M. S. Loeb. 150,144, July 6.
 Engagement ring and wedding ring, Combined. M. E. Untermeyer. 149,709, May 18.
 Engine, Portable internal-combustion. W. J. Oehrlein. L. J. Lechtenberg, and C. B. Stevens. 148,381, Jan. 13.
 Engraving machine. P. J. Brohawn. 151,212, Oct. 5.
 Envelope or similar article. H. S. Davis. 150,494, Aug. 10.
 Escutcheon for door bell push buttons. P. Hillman. 148,622, Feb. 10.
 Extractor, Juice. A. M. Travis. 149,319-21, Apr. 13.
 Eye shield cups for sun bathing, Pair of. O. W. Lindgren, Jr. 151,051, Sept. 21.
 Eyseshield or similar article. W. A. Mendelsohn. 150,508, Aug. 10.
 Fabric or similar article, Textile. J. P. Arcuni. 149,035, Mar. 23.

- Fabric or similar article, Textile. H. W. Lewine. 148,475-7, Jan. 27.
- Fabric, Plastic. F. Hollstein. 149,354-5, Apr. 20.
- Fabric, Textile. W. Mitschke. 150,641-3, Aug. 17.
- Fabric, Textile. E. M. Patterson. 150,442, Aug. 3.
- Fabric, Textile. E. M. Patterson. 150,645-6, Aug. 17.
- Fabric, Textile. E. Ralphaels. 150,654, Aug. 17.
- Fabric, Textile. M. Witsenburg. 148,668, Feb. 10.
- Fabric, Woven plastic. G. Backer. 149,037, Mar. 23.
- Fan, Electric. E. W. Fruit. 150,938, Sept. 14.
- Fan, Exhaust. H. Zeiler and A. H. Herter. 151,311, Oct. 5.
- Fan, Floor. J. T. Roffy. 149,678, May 18.
- Fastener setting device, Flier type. R. E. Peterson. 148,481, Jan. 27.
- Faucet, C. W. Bauberger. 149,398, Apr. 27.
- Faucet, L. S. Sayre. 149,379, Apr. 20.
- Faucet attachment. C. E. Lehman. 150,996, Sept. 14.
- Faucet or similar article. W. W. Cushman. 150,112, July 6.
- Faucet or similar article. I. W. Stratmore. 149,388, Apr. 20.
- Faucet unit. J. M. Little and A. L. Thomssen. 149,196, Apr. 6.
- Faucet unit. C. L. Otto. 149,206, Apr. 6.
- Faucet, Water. E. H. Fitter. 149,344, Apr. 20.
- Feeder, Animal. R. C. Stahler. 151,473, Oct. 19.
- Fence panel, Concrete. W. Ashenfelter. 150,532, Aug. 17.
- Fence post top member. W. A. Webster. 150,742, Aug. 24.
- Figure, Mechanical toy bird. H. Herzog. 148,354, Jan. 13.
- Figure or similar article, Bird. C. Brooks. 148,517, Feb. 3.
- Figurine. A. Bancroft and D. Bennett. 149,467, May 4.
- Figurine. A. Bancroft and D. Bennett. 150,534, Aug. 17.
- Figurine. L. C. Danz. 149,260, Apr. 13.
- Figurine. E. Lanning. 150,636, Aug. 17.
- Fish lure. J. S. Kuslich. 150,431, Aug. 3.
- Figurine, Advertising. E. C. Bishop. 151,426, Oct. 19.
- Figurine and beverage set, Combination. Z. C. Gifford. 151,977, Dec. 7.
- File, Revolving. O. Decker. 148,915, Mar. 9.
- Film splicer or the like. B. Eisenberg and O. B. Schwarz. 150,002, June 22.
- Film viewer. F. Gilbert. 149,348, Apr. 20.
- Film viewer, Photographic. I. J. Grey. 149,123, Mar. 30.
- Filter and cooler, Combination oil. H. W. Schaefer. 149,380, Apr. 20.
- Filter for coffee makers. W. R. Becher. 148,601, Feb. 10.
- Finding or similar article, Jewelry. A. Katz. 151,268, Oct. 5.
- Finishing machine, Rotary disc surface. K. C. Atkin. 148,514, Feb. 3.
- Fire extinguisher or similar article. S. Boal. 148,276, Jan. 6.
- Fire extinguisher unit or similar device, Motor propelled. H. R. Harper. 148,416, Jan. 20.
- Fire extinguishing unit or similar device, Wheeled. H. R. Harper. 148,415, Jan. 20.
- Fire grate. F. W. Goodwin. 152,151, Dec. 21.
- Fireplace screen and fender, Combined. H. C. Packard. 151,525, Oct. 26.
- Fish lure. W. J. Biernat. 149,790, June 1.
- Fish lure. J. M. Cole. 150,110, July 6.
- Fish lure. A. C. Kinard. 150,988, Sept. 14.
- Fish lure. H. Lamb. 151,276, Oct. 5.
- Fish lure. B. M. Potter. 152,168, Dec. 21.
- Fish lure. K. D. Richards. 149,217, Apr. 6.
- Fish lure. A. Sisco. 152,176, Dec. 21.
- Fish lure. E. A. Vaughn. 151,106-7, Sept. 21.
- Fish lure, Artificial. E. P. Vaars. 149,238, Apr. 6.
- Fishing lure. J. R. Moore. 149,136, Mar. 30.
- Fishing lure. O. C. Schaefer. 151,659, Nov. 2.
- Fishing reel. L. S. Elsinger. 151,120, Sept. 28.
- Fishing rod. J. Carlson. 150,402, Aug. 3.
- Fishing rod and reel, Combined. W. L. Raschke. 149,772, May 25.
- Fishing rod handle and reel, Combined. C. E. Hill. 150,951, Sept. 14.
- Fixture, Adjustable fluorescent lighting. C. Nitardy. 151,855, Nov. 23.
- Fixture, Bathroom. J. A. Iskyan. 150,771, Aug. 31.
- Fixture, Display. H. M. Schick. 149,381, Apr. 20.
- Fixture, Electric lighting. M. W. Schwartz and M. J. Marks. 149,026-7, Mar. 16.
- Fixture, Electric lighting. M. W. Schwartz and M. J. Marks. 149,448-9, Apr. 27.
- Fixture, Electric wall lamp. G. F. Gluff. 149,631, May 18.
- Fixture, Fluorescent lighting. S. E. Lindahl. 149,427, Apr. 27.
- Fixture, Lamp. I. I. Gotliffe. 150,946, Sept. 14.
- Fixture, Lamp. F. Schwartz. 151,012, Sept. 14.
- Fixture, Lighting. A. L. Arenberg and E. C. Zimmerman. 150,104, July 6.
- Fixture, Lighting. C. A. Duepner. 150,830-1, Sept. 7.
- Fixture, Lighting. E. F. Guth and E. C. Koegel. 148,695, Feb. 17.
- Fixture, Lighting. E. F. Guth and E. C. Koegel. 150,853, Sept. 7.
- Fixture, Lighting. E. C. Koegel. 148,369, Jan. 13.
- Fixture, Lighting. E. C. Koegel. 148,707, Feb. 17.
- Fixture, Sink. J. M. Little. 149,195, Apr. 6.
- Fixture, Sink. A. L. Thomssen and J. M. Little. 149,234, Apr. 6.
- Fixture, Store back. M. Ketchum, Jr., F. X. Gina, and J. S. Sharp. 149,763, May 25.
- Fixture, Store display. E. C. Dimling. 148,678, Feb. 17.
- Fixture, Tube lamp. A. O. Boutelle and R. C. Kuder. 150,923, Sept. 14.
- Flag. G. N. Bonzani. 149,612, May 18.
- Flag and staff therefor, Combined. M. L. Helehan. 149,639, May 18.
- Flap for bicycles, Fender. H. Golden. 150,764, Aug. 31.
- Flashlight. E. H. Phillips. 149,672, May 18.
- Flashlight and compact, Combination. J. N. Graef. 149,810, June 1.
- Flashlight housing. W. R. Amstutz. 149,726, May 25.
- Flashlight or like article. F. Schlotterbeck. 148,582, Feb. 3.
- Flashlight or like article. F. Schlotterbeck. 149,230, Apr. 6.
- Flashlight or similar article. S. Bersudsky. 152,137, Dec. 21.
- Flashlight, Oval pocket. M. J. Kelly. 148,879, Mar. 2.
- Platiron cradle. N. N. Skaredoff. 150,164, July 6.
- Float for bar soap or the like. F. A. Hilenski. 150,766, Aug. 31.
- Floor polisher, Electric. K. C. Atkin. 151,207, Oct. 5.
- Flower pot or similar article. F. H. Ehrhardt. 150,066, June 29.
- Fluorescent and flood light fixture, Combined. S. E. Lindahl. 149,655, May 18.
- Font of keyboard symbols. L. Yutang. 148,970, Mar. 9.
- Font of type. M. Bloch. 151,677, Nov. 9.
- Font of type or similar article. B. Goldsmith, Jr. 149,057, Mar. 23.
- Food chopper and grinder. H. J. Kline. 150,989, Sept. 14.
- Food mincer. M. A. Besozzi. 151,026, Sept. 21.
- Food warmer and server. C. B. Stevens. 151,082, Sept. 21.
- Food warmer and service plate, Child's combined. R. E. Zipser. 151,115, Sept. 21.
- Fork for bicycles and velocipedes. E. D. Martin. 148,939, Mar. 9.
- Fork or analogous article. H. E. Nock. 149,768, May 25.
- Fork, or other article of flatware. I. A. Lipman. 149,958, June 15.
- Fork or similar article of flatware. M. Weeber. 150,479, Aug. 3.
- Fork, Stripper. A. L. Luhn. 148,430, Jan. 20.
- Fork, Table. J. G. Fenety. 148,984, Mar. 16.
- Fountain pen, Ball point. M. E. Hirsch. 151,989, Dec. 7.
- Fountain pen clip or similar article. F. Ferber. 149,263, Apr. 13.
- Fountain pen or similar article, Ball pointed. J. Pearl. 150,647, Aug. 17.
- Fountain, Portable electric. L. P. Weil. 151,423, Oct. 12.
- Fountain, Wash. C. B. Stevens. 150,521-2, Aug. 10.
- Frame and calendar holder or similar article, Combined picture. D. Stec. 148,588, Feb. 3.
- Frame and stand or similar article, Display. M. J. Schless. 149,382, Apr. 20.
- Frame, Automobile. C. P. Nelson. 149,830, June 1.
- Frame, Bicycle. F. P. Fletcher. 148,531, Feb. 3.
- Frame, Bicycle. W. H. Walker. 151,110, Sept. 21.
- Frame, Ditching machine. G. A. Vaughn. 149,031, Mar. 16.
- Frame, Eyeglass. G. D. Smart. 152,222-3, Dec. 28.
- Frame for wheeled stroller vehicle. B. G. Harley. 149,411, Apr. 27.
- Frame, Gantry end. R. E. Smith and L. H. Workman. 149,522, May 4.
- Frame, Handbag. A. Wirklich. 149,781-2, May 25.
- Frame or similar article, Bag. B. Blacher. 150,107, July 6.
- Frame or similar article, Clock. K. A. Van Dyck. 150,663, Aug. 17.
- Frame or similar article, Handbag. S. Giordano. 150,007-8, June 22.
- Frame or similar article, Spectacle. N. Buckley. 151,030, Sept. 21.
- Frame, Picture. G. R. Arons. 151,315, Oct. 12.
- Frame, Picture. A. G. Golden. 149,120-1, Mar. 30.
- Frame, Picture. P. L. Hartnett. 148,929, Mar. 9.
- Frame, Picture. W. K. Huffman. 149,944, June 15.
- Frame, Picture. R. A. Martin. 149,960, June 15.
- Frame, Picture. S. Maugham. 149,202, Apr. 6.
- Frame, Picture. A. Tummiello. 150,477, Aug. 3.
- Frame, Sewing machine. M. McCann. 150,882, Sept. 7.
- Frame, Spectacle. G. Bolle. 148,974, Mar. 16.
- Frame, Spectacle. A. Coen. 149,999, June 22.
- Frame, Spectacle. L. Jacobson. 151,693, Nov. 9.
- Frame, Spectacle. M. B. Levoy. 151,698, Nov. 9.
- Frame, Spectacle. G. Lewis. 149,007, Mar. 16.
- Frame, Spectacle. V. Salerno. 150,464, Aug. 3.
- Frame, Spectacle. V. Tanasso. 150,911, Sept. 7.
- Frame, Swing end. W. I. Smith. 151,196, Sept. 28.
- Frame, Tape dispenser. C. J. Hazelton. 150,498, Aug. 10.
- Frame, Trenching machine. G. A. Vaughn. 149,030, Mar. 16.
- Freezer, Ice-cream. E. J. Spence. 148,395, Jan. 13.
- Front for a refrigerated dispensing cabinet. J. Le R. Remco. 150,257, July 13.
- Front panel for music boxes or cabinets. R. P. Miller. 150,640, Aug. 17.

- Front Store. N. Sharaf. 149,231, Apr. 6.
 Fruit juicer. H. J. Talge and E. F. Whitfall. 151,103, Sept. 21.
 Fruit reamer and strainer, Combined. C. G. Krieger. 150,990, Sept. 14.
 Frying pan. W. Hallgarth. 151,448, Oct. 19.
 Furnace. W. B. Green. 148,784-6, Feb. 24.
 Furniture base or similar article. G. H. Mildwoff. 152,013, Dec. 7.
 Game apparatus. W. H. Meiller and W. D. and A. J. Wolff. 150,243, July 13.
 Game board. G. G. Allenbaugh. 150,191, July 13.
 Game board. E. E. Almy. 149,923, June 15.
 Game board. W. G. Batchelder. 151,486, Oct. 26.
 Game board. S. Binder. 149,336, Apr. 20.
 Game board. M. Bruck. 149,931, June 15.
 Game board. R. D. Davis. 149,621, May 18.
 Game board. C. V. De Mattio. 151,602, Nov. 2.
 Game board. R. O. Dock. 150,065, June 29.
 Game board. H. M. Fisher and M. A. Barnett. 148,847, Mar. 2.
 Game board. J. E. Funderburg. 151,231, Oct. 5.
 Game board. H. R. Hoskins and F. M. Small. 150,295, July 20.
 Game board. D. L. Kreider. 151,050, Sept. 21.
 Game board. W. R. Mabry. 151,641, Nov. 2.
 Game board. D. Perlman. 149,374, Apr. 20.
 Game board. J. Scarne. 151,193, Sept. 28.
 Game board. M. H. Silverman. 152,174-5, Dec. 21.
 Game board. L. Smith and W. J. Mueckler. 148,727-8, Feb. 17.
 Game board, Bowling. H. M. Wescott. 151,200, Sept. 28.
 Game board, Hockey. A. Parrilla and I. Pinsker. 150,249, July 13.
 Game board, Puzzle. L. D. Gallegos and H. J. Byrnes. 149,118, Mar. 30.
 Game counting board. L. F. Stewart. 150,895, Sept. 7.
 Game implement. J. W. Harvey. 148,298, Jan. 6.
 Game of skill. A. H. Knieser. 150,236, July 13.
 Game piece set. R. R. Hart. 151,758, Nov. 16.
 Garden tool, Combination. C. H. Fleming. 150,067, June 29.
 Garment connector. P. Sanford. 149,976, June 15.
 Gas cookstove. M. Ferar. 150,348-9, July 27.
 Gas stove. R. I. Felver. 150,561, Aug. 17.
 Gate. C. Baca. 150,394, Aug. 3.
 Gauge, Height measuring. J. E. Sonnhalter. 149,318, Apr. 13.
 Gauge, Inner race. J. J. Neff. 150,246, July 13.
 Gauge, Internal length comparator. W. K. Dow. 151,743, Nov. 16.
 Gauging device, Pneumatic. F. L. Rupley. 149,974-5, June 15.
 Gauging device, Pneumatic. F. L. Rupley. 150,032, June 22.
 Generator, Electric motor. E. J. Petry. 151,903, Nov. 30.
 Girdle. H. M. Colby. 151,740, Nov. 16.
 Girdle, Panty. L. P. Keller. 149,822, June 1.
 Glass and toothbrush holder, Combined drinking. J. Bozotti. 150,752, Aug. 31.
 Glass or similar article, Lipped. B. Cooper, A. F. Hohmann, and A. Bach. 151,431, Oct. 19.
 Glasses, Sun. L. M. Flagg. 150,833, Sept. 7.
 Glider. H. S. Nagin and E. Werner. 150,094, June 29.
 Slider swing. M. L. Drewniak. 152,144, Dec. 21.
 Globe, Illuminator. I. Levin. 150,718, Aug. 24.
 Glockenspiel. R. Emanuel. 148,291, Jan. 6.
 Glove. C. V. Perrin. 149,515-16, May 4.
 Glove. H. Woller-Duff. 149,101, Mar. 23.
 Glove. H. Woller-Duff. 149,783, May 25.
 Goggle or the like, Sun. H. C. Richards. 148,577, Feb. 3.
 Goggles, Front for. N. H. Welwang. 149,713, May 18.
 Golf club head. F. W. Matzie. 148,555, Feb. 3.
 Golf tee. L. Reifman. 152,218, Dec. 28.
 Golf tee or similar article. J. W. Tutt. 149,237, Apr. 6.
 Grater. E. H. Daniels. 149,259, Apr. 13.
 Grater. H. Lataner. 149,956, June 15.
 Grid, Baking iron. M. Severson and D. Kraske. 151,077-8, Sept. 21.
 Grill, Barbecue. W. R. Hathaway. 151,344, Oct. 12.
 Grill guard for automobile radiators. H. Phillips. 150,153, July 6.
 Grill guard for automobile radiators. E. A. Rehrmann. 151,405, Oct. 12.
 Grille and enclosure structure, Radiator. H. Dreyfuss. 150,760, Aug. 31.
 Grille for an electric fan and the like. R. R. Hutcheson. 148,542, Feb. 3.
 Grille guard for automobile radiators. H. Phillips. 151,652-4, Nov. 2.
 Grip, Hand protecting. L. T. Jones. 152,157, Dec. 21.
 Guard, Automobile radiator. L. Bustin. 148,752-60, Feb. 24.
 Guard, Automobile radiator. L. Bustin. 148,978-80, Mar. 16.
 Guard, Automobile radiator. L. Bustin. 151,596, Nov. 2.
 Guard, Automotive vehicle. J. Sterkel. 148,729, Feb. 17.
 Guard, Finger. W. Meyer. 149,510, May 4.
 Guard for motor vehicles, Grille. L. Bustin. 152,058-9, Dec. 14.
 Guard, Lamp. I. E. Wright. 150,527, Aug. 10.
 Guard or similar article, Instrument key. W. G. Johnson. 150,299, July 20.
 Guard, Trouble light. M. Meltzer. 150,720, Aug. 24.
 Guitar. L. L. Lademann. 149,426, Apr. 27.
 Gynecologic instruments. E. H. Edwards. Re. 23,022, Aug. 3.
 Hairbrush. J. W. Mayer. 152,203, Dec. 28.
 Hairbrush. P. Muller-Munk. 149,964-5, June 15.
 Hair brush or the like, Electrically operated. A. R. Botham. 150,201, July 13.
 Hair curling device. M. Pettita. 148,719, Feb. 17.
 Hair ornament, Carded two-piece. J. Jackson. 150,862, Sept. 7.
 Hairpin or similar article. L. T. Sawyer. 149,025, Mar. 16.
 Hair trimmer. C. P. Zurlinden. 150,189, July 6.
 Hammer and pounding toy, Combined. P. Miller. 150,437, Aug. 3.
 Hammer head. W. L. Ludwick. 151,853, Nov. 23.
 Hammer, Insulator applying and removing. H. W. Edwards. 151,876, Nov. 30.
 Hammer, Metal straightening. N. Leskin. 151,378, Oct. 12.
 Hamper. V. Giambone and C. L. Abate. 149,867, June 8.
 Handbag. S. Epstein. 149,802, June 1.
 Handbag. C. Feigl. 151,750-2, Nov. 16.
 Handbag. J. L. Friedman. 151,754, Nov. 16.
 Handbag. M. Holzman. 149,640, May 18.
 Handbag. J. I. Horner. 150,860, Sept. 7.
 Handbag. L. Kaufman. 149,649, May 18.
 Handbag. M. J. Kruger and S. B. Megdall. 149,564, May 11.
 Handbag. A. Lamel. 150,633-4, Aug. 17.
 Handbag. L. E. Meadow. 151,461, Oct. 19.
 Handbag. L. E. Meadow. 151,523-4, Oct. 26.
 Handbag. C. N. Munn. 151,782, Nov. 16.
 Handbag. C. K. Oxenfeld. 148,561, Feb. 3.
 Handbag. I. Pichel. 148,720, Feb. 17.
 Handbag. F. H. Rath. 151,656, Nov. 2.
 Handbag. R. D. Singel. 148,726, Feb. 17.
 Handbag and compact, Combined. F. H. Rath. 151,858, Nov. 23.
 Handbag, Lady's. A. Konelsky. 150,878, Sept. 7.
 Handbag or similar article. R. Ewing. 151,436-9, Oct. 19.
 Handbag or similar article. F. Kuhlman. 148,474, Jan. 27.
 Handbag or similar article. H. Morris. 149,293, Apr. 13.
 Handbag or similar article. I. Pichel. 148,321-3, Jan. 6.
 Handbag or similar article. D. M. Scott and E. Steinberg. 151,075-6, Sept. 21.
 Handbag or similar article. J. S. Singer. 150,893, Sept. 7.
 Handbag or the like. G. Murphy. 152,120, Dec. 14.
 Handkerchief, Lady's. M. Morenstein. 150,244, July 13.
 Handle bar grip. G. A. Willey. 149,714, May 18.
 Handle, Combined frankfurter sandwich and stick. G. E. Mitzel. 149,511, May 4.
 Handle, Door. S. C. Brull. 152,056, Dec. 14.
 Handle, Drawer. A. S. Rummelsburg. 149,378, Apr. 20.
 Handle, Electric switch. R. B. Kerr and W. G. Waggoner. 149,651, May 18.
 Handle, Electric switch. W. G. Waggoner and R. B. Kerr. 149,712, May 18.
 Handle for a sanding pad. S. A. Crosby. 148,913, Mar. 9.
 Handle for cookstove oven doors. M. Ferar. 150,937, Sept. 14.
 Handle for cooking utensils or the like. B. H. Adler. 149,464, May 4.
 Handle for kitchen utensils or similar articles. W. A. Beck. 149,607, May 18.
 Handle for kitchen utensils or similar articles. B. D. Hatcher. 149,636, May 18.
 Handle for kitchen utensils or similar articles. J. L. Hvale. 149,641-4, May 18.
 Handle for kitchen utensils or similar articles. W. C. Lueneburg. 151,700, Nov. 9.
 Handle for kitchen utensils or similar articles. G. H. Roblin. 149,676-7, May 18.
 Handle for kitchen utensils or similar articles. G. H. Roblin. 149,842, June 1.
 Handle for kitchen utensils or similar articles. M. J. Zimmer. 149,725, May 18.
 Handle for knives and forks and similar articles. J. L. Hvale and R. A. Murray. 149,814, June 1.
 Handle for line controlled model aircraft, Control. V. Stanzel. 149,453, Apr. 27.
 Handle for oven doors and the like. R. I. Felver. 150,342-3, July 27.
 Handle, Luggage. A. C. Weiss. 149,598, May 11.
 Handle or similar article for an automotive vehicle, Outside door. M. Hulyk. 150,769-70, Aug. 31.
 Handle or similar article for an automotive vehicle, Outside door. H. D. Lauve. 150,994, Sept. 14.
 Handle or the like, Door. H. I. Strnard and W. J. Myers. 148,497, Jan. 27.
 Handle, Pea shelter. A. O. Hagen. 149,487, May 4.
 Handle, Tool. O. N. Tucker. 149,992, June 15.
 Handle, Toothbrush. W. F. Alderson. 151,483, Oct. 26.
 Handle, Utensil. E. M. Oster. 151,704, Nov. 9.
 Handler, Change. N. J. Blum. 150,199, July 13.
 Handling and loading apparatus, Material. R. J. Nadherny. 150,092, June 29.
 Hangar, Aeroplane. J. J. Maggi. 149,505, May 4.
 Hangar, Airplane. D. R. Younger. 150,187-8, July 6.
 Hanger, Clothes. W. J. Cleary. 148,407, Jan. 20.
 Hanger, Coat. J. M. Cless. 148,981, Mar. 16.

- Hanger, Collapsible garment. H. C. Brown. 149,858, June 8.
- Hanger, Drapery. W. F. Binsack. 150,921, Sept. 14.
- Hanger, Film developing. A. H. Atkinson. 150,330, July 27.
- Hanger, Garment. M. A. Glavies. 151,978, Dec. 7.
- Hanger, Garment. B. T. Petty. 149,902, June 8.
- Hanger, Garment. J. Read. 149,517, May 4.
- Hanger, Garment. H. B. Young. 149,327, Apr. 13.
- Hanger or similar article. J. Read. 151,404, Oct. 12.
- Hanger or the like, Garment. R. Sklaar. 150,813, Aug. 31.
- Harmonica, Fish type. S. Freimauer and J. Skoloff. 151,972, Dec. 7.
- Hasscock and coffee table, Combination. G. C. Guertin. 151,983, Dec. 7.
- Hat. G. H. Hodge. 151,127-9, Sept. 28.
- Hat. T. Leser. 148,803, Feb. 24.
- Hat. E. Sawtell. 151,009, Sept. 14.
- Hat. C. Silberman. 149,521, May 4.
- Hat and coat rack, Combined. G. Thompson. 148,663, Feb. 10.
- Hat and radio or similar article, Combined. O. Mumford. 150,245, July 13.
- Hat blocking machine. W. Wilson. 149,853, June 1.
- Hat or similar article. M. Friedman. 151,882-3, Nov. 30.
- Hat tree, Pin-up. B. Judd. 150,697, Aug. 24.
- Hatchet, Double-headed. M. W. Lewis. 149,075, Mar. 23.
- Hatch covering, Protective. B. J. Boeringer. 151,957, Dec. 7.
- Head for a portable sewing machine. S. R. Bell. 151,584, Nov. 2.
- Head for railroad water hydrants and similar articles. T. E. Bart. 151,208, Oct. 5.
- Head, Golf club. L. J. Weatherington. 149,156, Mar. 30.
- Headlight, Bicycle. O. F. Ingle. 149,182, Apr. 6.
- Head, Sewing machine. W. F. Nessen. 149,137, Mar. 30.
- Head, Sewing machine. J. O. Reinecke. 149,145, Mar. 30.
- Hearing aid. H. E. Haines. 148,697, Feb. 17.
- Heat and sun lamp, Combined. F. C. Winkler and D. T. Beggs. 149,993, June 15.
- Heat applicator for human use. J. W. Gardner. 150,125, July 6.
- Heater. C. A. Fowler. 149,115, Mar. 30.
- Heater. T. L. Hand. 148,536, Feb. 3.
- Heater. F. D. Hart. 150,949-50, Sept. 14.
- Heater. R. E. Kruck. 151,156-8, Sept. 28.
- Heater. D. H. Wyatt. 148,341-2, Jan. 6.
- Heater casing or the like, Automobile. J. O. Reinecke. 151,469, Oct. 19.
- Heater, Electric. R. L. Fitch. 149,264, Apr. 13.
- Heater, Electric. W. Geller. 148,293, Jan. 6.
- Heater, Electric. J. G. Lippincott. 149,284, Apr. 13.
- Heater, Electric. W. H. Seymour. 150,470, Aug. 3.
- Heater, Electric. C. W. Sundberg and M. Ferar. 148,594, Feb. 3.
- Heater, Gas. C. P. Price. 150,727, Aug. 24.
- Heater or similar article. L. O. Morin, Jr., and S. Warner. 148,318, Jan. 6.
- Heater. Oscillating electric fan type. S. A. Witte. 151,309, Oct. 5.
- Heater, Portable electric. H. L. Stiles. 151,015, Sept. 14.
- Heater, Portable electric space. W. A. Gustafson. 149,266, Apr. 13.
- Heater, Portable electric space. G. Steingruber. 148,652, Feb. 10.
- Heater, Space. M. Ferar. 150,562, Aug. 17.
- Heater, Space. D. La Barre and T. Ornas. 151,906, Nov. 30.
- Heater, Space. H. E. and C. J. Winkler. 151,726, Nov. 9.
- Heater, Stock tank. J. K. Newhall. 149,138, Mar. 30.
- Heater, Water. L. Guild. 150,225, July 13.
- Heater, Water. J. W. Hauser. 151,987, Dec. 7.
- Heater, Water. B. E. Mustee. 149,765, May 25.
- Heel, Shoe. R. D. Bunn and B. L. Hayes. 151,591, Nov. 2.
- Heel, Shoe. H. Laybolt. 149,889, June 8.
- Helicopter. W. J. Davis. 148,772, Feb. 24.
- Helicopter. W. S. Hoover. 151,347, Oct. 12.
- Helicopter. E. F. Katzenberger and M. E. Gluhareff. 149,130, Mar. 30.
- Helicopter. I. I. Sikorsky. 150,263, July 13.
- Helicopter. I. I. Sikorsky and M. E. Gluhareff. 149,452, Apr. 27.
- Helicopter. F. L. Sutton. 151,298, Oct. 5.
- Helicopter. A. M. Young. 150,186, July 6.
- Helicopter. A. M. Young and M. H. Gleason. 150,483, Aug. 3.
- Helicopter. A. M. Young and M. H. Gleason. 150,665, Aug. 17.
- High chair and baby walker, Combined. J. D. Sverdlik. 151,417, Oct. 12.
- Hitch, Trailer. R. W. Askins. 148,269, Jan. 6.
- Hobby horse. C. B. Dobson. 151,333, Oct. 12.
- Hobbyhorse. H. J. Hiller. 149,269, Apr. 13.
- Hobbyhorse. G. St. John. 151,080, Sept. 21.
- Hobby horse. R. C. Swengel. 151,299, Oct. 5.
- Hobby horse, Vehicle. J. G. McCoy. 149,577, May 11.
- Hoist, Gasoline. C. F. Peterson. 149,013, Mar. 16.
- Hoist, Puller. H. F. Parker. 152,123-4, Dec. 14.
- Holder and card-case, Combined poker chip. J. Foler. 148,686, Feb. 17.
- Holder and carver's aid, Meat. P. Betten and M. Lehrhaupt. 148,453, Jan. 27.
- Holder and containers for perfumery, Combined. G. Baud. 151,209, Oct. 5.
- Holder and support therefor, Adjustable vise-jaw. H. E. Clauss. 151,429, Oct. 19.
- Holder and support therefor, Vise-jaw. H. E. Clauss. 151,428, Oct. 19.
- Holder attachment for telephones, Spectacle. G. H. Yost. 149,602, May 11.
- Holder, Baby bottle. L. Breslow. 149,108, Mar. 30.
- Holder, Bobby pin and hairpin. L. W. Blouin. 151,678, Nov. 9.
- Holder, Bow tie. L. L. Ullmann. 149,919, June 8.
- Holder, Candle. L. L. Cohen. 150,000, June 22.
- Holder, Candle. D. Kaplan. 148,932, Mar. 9.
- Holder, Candlestick. R. Minervini. 148,378, Jan. 13.
- Holder, Cigarette. L. Reis. 148,819, Feb. 24.
- Holder, Cigarette package. A. P. Leiserowitz. 148,711, Feb. 17.
- Holder, Comb. H. E. Dahlen. 151,032, Sept. 21.
- Holder, Comb. A. J. Gurczak. 150,852, Sept. 7.
- Holder, Comb. E. M. Hanrahan. 149,059, Mar. 23.
- Holder, Combined cigar, cigarette, and match. F. J. Hayman. 151,513, Oct. 26.
- Holder, Combined shaving bowl and styptic pencil. E. L. H. Cosby. 149,797, June 1.
- Holder, Combined tray and comb. L. M. Lund. 148,431, Jan. 20.
- Holder, Condiment. A. J. Flauder. 148,530, Feb. 3.
- Holder, Flash lamp. J. W. Barnes. 151,025, Sept. 21.
- Holder, Flower. O. T. Dixon. 148,290, Jan. 6.
- Holder for a bottle. R. N. Sellon. 149,911, June 8.
- Holder for a coffee maker. R. C. Tackenberg and K. C. Applegate. 148,734, Feb. 17.
- Holder for a cylindrical fire extinguisher or similar article. A. De Mott. 149,261, Apr. 13.
- Holder for a safety razor and blades. R. W. Schnell. 149,778, May 25.
- Holder for bottles or the like, Dispensing. E. F. Bushman. 149,933, June 15.
- Holder for paper napkins or similar articles. A. P. Cary. 148,676, Feb. 17.
- Holder for picture and perfume containers, Combined. J. Joelson. 148,359, Jan. 13.
- Holder for playing cards. B. J. Bratt. 149,538, May 11.
- Holder, Fruit. M. J. Manca. 151,160, Sept. 28.
- Holder, Jewelry. M. C. Davis. 150,059, June 29.
- Holder, Knife. B. W. Coltman. 148,836-7, Feb. 24.
- Holder, Knife. J. V. Vevrit. 151,478, Oct. 19.
- Holder, Lipstick. S. I. Sohmer. 149,916, June 8.
- Holder, Match book. J. H. Sutton. 151,569, Oct. 26.
- Holder, Match box. C. E. Stockton. 150,169, July 6.
- Holder, Meat. E. S. Morfesi. 152,117, Dec. 14.
- Holder, Napkin. B. Katshen, Sr. 149,185, Apr. 6.
- Holder or similar article, Cigarette package. H. J. Tunstall. 149,460, Apr. 27.
- Holder or similar article, Knife. B. W. Rich. 149,674, May 18.
- Holder or similar article, Paper roll. F. Bletzing, Sr. 151,676, Nov. 9.
- Holder or similar article, Perfume bottle. L. Cotnareanu. 151,601, Nov. 2.
- Holder or similar article, Picture. A. G. Giegold, Jr. 150,221, July 13.
- Holder or similar article, Scarf. M. Chernow. 151,738, Nov. 16.
- Holder or the like, Napkin. B. Ulvad. 148,664, Feb. 10.
- Holder, Paper. W. Marcus. 148,631, Feb. 10.
- Holder, Photographic lamp. H. T. Lorenz. 148,806, Feb. 24.
- Holder, Platter. P. Sampson. 149,682, May 18.
- Holder, Razor and blade. H. H. Hopkins. 148,931, Mar. 9.
- Holder, Roll tissue. R. E. James. 150,417, Aug. 3.
- Holder, Safety razor. K. S. McEntire. 150,507, Aug. 10.
- Holder, Scouring pad. A. C. Weiss. 152,048, Dec. 7.
- Holder, Soap cake. R. R. Ward. 149,100, Mar. 23.
- Holder, Straw. H. E. Kelley, Jr. 151,695, Nov. 9.
- Holder, Telephone. R. B. Bianchi. 150,821, Sept. 7.
- Holder, Telephone. H. H. Webb. 150,664, Aug. 17.
- Holder, Tire. A. L. Henkel. 148,538, Feb. 3.
- Holder, Toothbrush. O. Morningstar. 148,633, Feb. 10.
- Holder, Tube and toothbrush. J. W. Doucette. 150,829, Sept. 7.
- Holder, Twine. J. Lucchesi. 151,278, Oct. 5.
- Holder unit, Memorandum. W. Le Blanc. 150,506, Aug. 10.
- Holder, Welding electrode. C. W. Taber. 151,101, Sept. 21.
- Holder, Work. K. P. Friese. 150,291, July 20.
- Holder, Zone check ticket. A. Main. 150,241, July 13.
- Holding pin. B. Elkins. 150,116, July 6.
- Hood for a power rotary mower. P. Belden. 149,731, May 25.
- Horological instrument or similar article, Illuminable. R. Doolin. 149,262, Apr. 13.
- Hourglass frame or similar article. C. Fischett. 150,124, July 6.
- House, E. O. Klemm. 148,365-8, Jan. 13.
- House. G. M. Marrow. 151,646-8, Nov. 2.
- Houseboat. B. H. O'Connor. 149,667, May 18.
- Housing, Electric heater. G. H. Wisting and R. R. Conners, Jr. 149,715, May 18.

- Housing, Electrical connecting plug. A. R. Nagy. 148,379, Jan. 13.
- Housing for a motion-picture projector or similar article. E. Boecking. 149,247, Apr. 13.
- Housing for a space heater. H. J. Clark. 150,933, Sept. 14.
- Housing for air conditioning apparatus or the like. G. I. Carter. 148,520, Feb. 3.
- Housing for an internal-combustion engine, Blower. C. B. Stevens, W. J. Oehrlein, and L. J. Lechtenberg. 148,396, Jan. 13.
- Housing for refrigerator coils. G. K. Bently. 149,608, May 18.
- Housing for thermostatic control. C. G. Bjornerantz and J. W. Hauser. 148,404, Jan. 20.
- Housing, Lawn mower. V. N. Haglund. 150,226, July 13.
- Housing, Leash reel. M. R. Grandon. 150,947, Sept. 14.
- Housing, Rotary mower. W. H. Huff. 151,045-6, Sept. 21.
- Humidor, Tobacco. M. Pendriss. 150,512, Aug. 10.
- Ice bucket. M. S. Ziskin. 151,863, Nov. 23.
- Ice crusher. H. J. Talge and A. M. Travis. 151,102, Sept. 21.
- Implement, Pastry. P. R. Gruber. 149,551, May 11.
- Ink container or similar article. F. Richman. 150,316, July 20.
- Inkwell, Desk set. R. A. May and H. E. Steinberg. 150,881, Sept. 7.
- Instrument for aircraft, Navigation. J. C. Wilson. 148,339, Jan. 6.
- Inverter. P. F. Scofield and A. R. Keistman. 148,332, Jan. 6.
- Iron, Electric. F. W. Busch. 151,321, Oct. 12.
- Iron, Electric. J. O. Reinecke. 148,887, Mar. 2.
- Iron, Electric. A. E. Ross. 151,470, Oct. 19.
- Iron, Electric. A. Troy. 149,163, Mar. 30.
- Iron rest and cord take-up, Combined. L. W. Jones. 149,647, May 18.
- Ironer, Portable automatic. J. Tjaarda. 148,828, Feb. 24.
- Jack, Hydraulic bumper. H. W. Darr. 148,460, Jan. 27.
- Jacket. S. Etkin. 148,682-3, Feb. 17.
- Jacket. S. Etkin. 150,560, Aug. 17.
- Jacket. N. Finkelstein. 148,845-6, Mar. 2.
- Jacket. N. Finkelstein. 151,440-1, Oct. 19.
- Jacket. J. Freedman. 150,409, Aug. 3.
- Jacket. J. Freedman. 151,813-14, Nov. 23.
- Jacket. H. Goldberg. 150,941-4, Sept. 14.
- Jacket. H. Goldberg. 151,444, Oct. 19.
- Jacket. H. Goldberg. 151,690, Nov. 9.
- Jacket. J. F. Strassner. 148,730-1, Feb. 17.
- Jacket. J. F. Strassner. 150,268-70, July 13.
- Jacket. J. F. Strassner. 151,475, Oct. 19.
- Jacket or similar article. S. Scheidlinger. 148,330, Jan. 6.
- Jacket or the like. S. W. White. 150,278, July 13.
- Jar. F. Smith. 151,945, Nov. 30.
- Jar and dispensing cover, Combined. M. S. Wright. 148,509, Jan. 27.
- Jar for a paper milk carton, Protecting. W. J. Fry. 149,866, June 8.
- Jar, Glass. H. C. Gessler. 151,976, Dec. 7.
- Jar or similar container. A. A. Baldocchi. 151,954, Dec. 7.
- Jewelry charm. C. and G. Kiashek. 151,696, Nov. 9.
- Jewelry component. C. D. B. Arcularius. 151,024, Sept. 21.
- Jewelry component. B. Patek. 151,528, Oct. 26.
- Jewelry component. L. Schorr. 149,779-80, May 25.
- Jewelry component. L. Schorr. 151,472, Oct. 19.
- Jewelry finding. P. Bardach. 150,193, July 13.
- Jewelry finding. M. Chernow. 150,202, July 13.
- Jewelry finding. A. Katz. 150,796, Aug. 31.
- Jewelry finding. A. Katz. 150,876, Sept. 7.
- Jewelry finding. M. Rahthus. 149,442, Apr. 27.
- Jewelry finding. L. Richards. 149,841, June 1.
- Jig-saw puzzle. R. B. Morris. 151,284, Oct. 5.
- Journal box lid for railway cars. D. S. Barrows. 151,955, Dec. 7.
- Jug. E. S. Zeisel. 149,723, May 18.
- Juice. O. E. Hammers. 151,822, Nov. 23.
- Juice collector, Sanitary. O. E. Hammers. 151,823, Nov. 23.
- Juicer, Fruit. D. Bergen and D. Cohl. 150,398, Aug. 3.
- Juicer, Fruit. D. M. Kitterman. 148,626, Feb. 10.
- Juicer, Fruit. A. L. Lynne. 149,199, Apr. 6.
- Kayak boat, Collapsible. T. A. Potts and H. V. Waskiewicz. 151,468, Oct. 19.
- Kettle, Water. P. Schlumbohm. 149,310, Apr. 13.
- Keyboard for calculating machines or similar articles. H. L. Clary and R. E. Boyden. 148,458, Jan. 27.
- Key holder and bottle opener, Combination. A. R. Glidden. 152,196, Dec. 28.
- Key or the like. W. F. Rothe. 150,887-9, Sept. 7.
- Kicking tee. M. M. Barton. 150,195, July 13.
- Kit, Accessory. S. G. Anderson. 151,950, Dec. 7.
- Kit, Cooking. C. Rendler. 149,518, May 4.
- Kit, Dental supply. K. G. Van Dyk. 151,020, Sept. 14.
- Kit, Manicurist's. B. B. Gaitskill. 149,808, June 1.
- Kit, Sewing. T. P. Heider. 149,638, May 18.
- Kit, Toilet. C. Sims. 149,029, Mar. 16.
- Kitchen and laundry unit, Combination. L. Keller. 151,455, Oct. 19.
- Kitchen unit, Combination. J. M. Little. 148,373, Jan. 13.
- Kite. S. Lang. 149,001-2, Mar. 16.
- Kite. W. H. Schroeder. Re. 23,034, Aug. 31.
- Kite. G. E. Shackelford. 151,944, Nov. 30.
- Knife. G. N. Allen and W. Gerth. 149,332, Apr. 20.
- Knife. H. L. Fischer. 150,689, Aug. 24.
- Knife and glass cutter, Combined putty. W. R. Amstutz. 150,488, Aug. 10.
- Knife, fork, and spool, Combination. A. L. Kuhlman. 150,630, Aug. 17.
- Knife holder and towel rack, Combined. J. T. Generale. 149,177, Apr. 6.
- Knife or similar article. V. Hingelberg. 149,489, May 4.
- Knife, Paring. L. A. Heintzelman. 151,238, Oct. 5.
- Knife, Safety. H. E. Crum. 150,111, July 6.
- Knife, Shrimp. R. W. Nelson. 149,084, Mar. 23.
- Knob for kitchen utensils. R. F. Krause. 149,191, Apr. 6.
- Knob or similar article, Control. L. D. Johnson. 149,415, Apr. 27.
- Knob, Steering wheel. E. S. Mungen. 149,829, June 1.
- Knocker, Door. J. F. Williams. 151,574, Oct. 26.
- Lace, Embroidered. A. Gelb. 149,483-4, May 4.
- Lace medallion. R. A. Paessler. 149,373, Apr. 20.
- Lace or similar article. O. Frei. 149,054-6, Mar. 23.
- Lace or the like. A. Gottlieb. 148,413, Jan. 20.
- Lace or the like. A. Gottlieb. 150,413, Aug. 3.
- Ladle. E. J. Comeau. 148,911, Mar. 9.
- Lamp. M. Aronek. 149,729, May 25.
- Lamp. M. Aronek. 151,485, Oct. 26.
- Lamp. C. F. Burkett. 149,997, June 22.
- Lamp. J. Frank and S. R. Geist. 151,037, Sept. 21.
- Lamp. M. Gest. 150,563, Aug. 17.
- Lamp. D. M. Golden. 150,355, July 27.
- Lamp. F. A. Harker. 149,871, June 8.
- Lamp. F. Leming. 149,572, May 11.
- Lamp. A. Moore. 148,317, Jan. 6.
- Lamp. E. P. Poore and J. O. Wagner. 148,817, Feb. 24.
- Lamp. F. Schwartz. 149,592, May 11.
- Lamp. A. Sommerville. 151,561, Oct. 26.
- Lamp. C. B. Stevens. 151,663, Nov. 2.
- Lamp. J. J. Stupka and J. Venekamp. 152,041, Dec. 7.
- Lamp. A. Troskin. 151,861, Nov. 23.
- Lamp. T. W. Wilson. 148,969, Mar. 9.
- Lamp and desk unit, Combined. J. L. Coen. 150,404, Aug. 3.
- Lamp and flower pot, Combined. M. Reres. 151,407, Oct. 12.
- Lamp and mirror, Combined. P. E. Merrill and O. R. Titchenal. 152,012, Dec. 7.
- Lamp and potted plant bowl, Combination. R. O. Bextel. 148,905, Mar. 9.
- Lamp and smoking stand, Combined. E. R. Fisk. 151,687, Nov. 9.
- Lamp and support, Combined dental operating. E. H. Greppin and J. A. Salvia. 149,744, May 25.
- Lamp, bank and smoking stand, Combined reading. W. H. Graham. 150,223, July 13.
- Lamp base. R. Goldman and R. Nemzer. 148,782, Feb. 24.
- Lamp base. J. L. Miller. 150,024, June 22.
- Lamp base. J. A. Post. 148,886, Mar. 2.
- Lamp bracket and timer for cookstoves, Combined. M. Ferar. 150,350, July 27.
- Lamp break. E. Hesly. 150,013, June 22.
- Lamp, Dental operating. E. H. Greppin and J. A. Salvia. 149,745, May 25.
- Lamp, Desk. T. Dolan. 151,605, Nov. 2.
- Lamp, Electric. A. F. Pieper. 149,904, June 8.
- Lamp, Floor. L. C. Doane. 151,228, Oct. 5.
- Lamp, Floor. W. A. Hillenbrand and F. J. Burst. 149,875-6, June 8.
- Lamp, Fluorescent desk. J. F. Poor and C. T. Baxter. 149,142, Mar. 30.
- Lamp or similar article. L. B. Arenson. 149,728, May 25.
- Lamp or similar article. L. J. Gagnon. 151,815, Nov. 23.
- Lamp or similar article. W. F. Masterson. 148,375, Jan. 13.
- Lamp or similar article. H. N. Math. 148,376, Jan. 13.
- Lamp or similar article, Musical. H. Asch. 150,286, July 20.
- Lamp or similar article, Spot. N. E. Hewitt. 149,124, Mar. 30.
- Lamp or the like. I. Sacks. 150,892, Sept. 7.
- Lamp or the like, Desk. H. L. Goebel. 150,940, Sept. 14.
- Lamp, Pin-up. E. T. Paxton. 150,250, July 13.
- Lamp, Planter. R. E. Gifford. 151,817, Nov. 23.
- Lamppost. E. Lamb and C. D. Freeman. 151,628, Nov. 2.
- Lamppost and lamp, Combined. E. Lamb and C. D. Freeman. 151,629, Nov. 2.
- Lampstand or similar article. C. F. Galehouse. 148,533, Feb. 3.
- Lamp-stand or similar article. C. F. Galehouse. 148,687, Feb. 17.
- Lamp standard or similar article. D. S. Erwin. 151,877, Nov. 30.
- Lamp, Table. A. Alpert. 149,466, May 4.
- Lamp, Table. J. Gordon. 150,564, Aug. 17.
- Lamp, Windowledge. C. G. Page. 149,668, May 18.
- Lathe. E. J. Lomazzo. 149,657, May 18.
- Lathe. C. B. Stevens. 152,228, Dec. 28.
- Laundry bag or the like. W. Seidler. 152,173, Dec. 21.
- Laundry machine. F. W. Perl. 151,001, Sept. 14.
- Lavatory. W. B. Green. 149,632, May 18.
- Lawn sprinkler. J. W. Shook. 149,912, June 8.

- Lawn sweeper. E. D. Parker. 151,526-7, Oct. 26.
 Lawn swing or similar article. C. L. Mock. 149,900, June 8.
 Leather or similar article, Embossed. S. B. Freedman. 148,924, Mar. 9.
 Lectern. A. T. Long. 150,997, Sept. 14.
 Legging. H. D. Stalie. 150,473, Aug. 3.
 Lens rim material for spectacle frames. M. J. O'Dea. 152,208, Dec. 28.
 Lens, Traffic signal observation. H. C. Riemann. 151,784, Nov. 16.
 Letter opener or similar article. H. K. W. Schlegel. 149,590, May 11.
 Lever of a drum snare tensioning mechanism. W. F. Ludwig. 151,639, Nov. 2.
 Life preserver. B. M. Wilber. 149,158, Mar. 30.
 Lifter or similar article, Pan. R. C. Jackson. 149,817, June 1.
 Light bowl, Electric. A. J. D. Ohm. 149,438-40, Apr. 27.
 Light box for viewing color transparencies. W. P. Way. 151,479, Oct. 19.
 Light fixture. C. A. Trowbridge. 149,323, Apr. 13.
 Light shade for an electrical fixture. C. D. McCann. 151,053-4, Sept. 21.
 Light, Traffic signal. H. H. Haugard. 150,229, July 13.
 Lighter. A. W. Doux. 148,843-4, Mar. 2.
 Lighter and cigarette case, Combined. D. M. King and A. Wewetzer. 151,271, Oct. 5.
 Lighter and writing implement or similar article, Combined. F. Kaupmann. 151,771, Nov. 16.
 Lighter, Cigarette. A. J. Flaender. 151,340, Oct. 12.
 Lighter, Cigarette. A. Saffron. 149,148, Mar. 30.
 Lighter, Semiautomatic table. P. W. Buchhart. 152,186, Dec. 28.
 Lighter, Table. H. G. Treiss. 151,946, Nov. 30.
 Lighter, tamper, and knife, Combination. I. G. Bauer. 150,196, July 13.
 Lighting device for locks or the like. C. E. Swanson. 150,816, Aug. 31.
 Lighting fixture. L. J. Coneglio. 150,405, Aug. 3.
 Lighting fixture. J. Novin. 150,095, June 29.
 Lighting fixture, Electric. M. J. Marks and M. W. Schwartz. 149,009, Mar. 16.
 Lighting fixture, Electric. M. W. Schwartz and M. J. Marks. 150,735, Aug. 24.
 Lighting fixture or similar article, Fluorescent. T. G. Beckett. 149,245, Apr. 13.
 Lighting unit, Fluorescent. G. Gomberg. 151,632, Nov. 2.
 Lighting unit, Multiple fluorescent. G. Gomberg. 151,631, Nov. 2.
 Link bracelet. H. Bogoff. 151,869, Nov. 30.
 Link chain for a bracelet or similar article. M. Chernow. 149,739, May 25.
 Link chain for bracelet or similar article. M. Chernow. 150,403, Aug. 3.
 Link chain for a bracelet or similar article, Expandable. E. E. Fachon. 151,509-10, Oct. 26.
 Link chain for a necklace or similar article. M. Rahthus. 151,403, Oct. 12.
 Link, Cuff. A. Schwartz. 150,098, June 29.
 Link for a bracelet or similar article. A. Katz. 150,877, Sept. 7.
 Link for a necklace or similar article, Connecting. R. Gardel. 151,232, Oct. 5.
 Link for a watch bracelet or similar article, Terminal. K. C. Augenstein. 149,534-5, May 11.
 Link for a watch bracelet or similar article, Terminal. K. C. Augenstein. 151,728, Nov. 16.
 Link, Ornamental. J. L. Garvin. 149,482, May 4.
 Lipstick and vanity case, Combined. L. Medgyes. 148,812, Feb. 24.
 Lipstick case or similar article. W. H. Leavin. 149,565, May 11.
 List finder. A. E. Pollock. 149,141, Mar. 30.
 Liturgical fabric or similar article. A. Baumgartner. 150,539-43, Aug. 17.
 Loading ramp, Adjustable passenger. A. L. Varrieur. 149,392, Apr. 20.
 Lock, Dial telephone. B. Zion. 150,819, Aug. 31.
 Lock for handbags or the like. R. T. Sporman. 152,036, Dec. 7.
 Lock for portfolios or the like. S. H. Lifton. 152,109, Dec. 14.
 Locker or similar article, Frozen food. L. Carrière. 148,762, Feb. 24.
 Locker or similar article, Frozen food. L. Carrière. 149,615, May 18.
 Locket or similar article. A. Katz. 150,501, Aug. 10.
 Locomotive body. F. P. Grutzner. 149,553, May 11.
 Locomotive body. R. Loewy. 149,573, May 11.
 Locomotive body. J. Markestein. 150,082-6, June 29.
 Locomotive body. J. Markestein. 150,148-53, July 6.
 Lolly pop. G. Goodes. 151,124, Sept. 28.
 Loosener, Screw-cap. M. Morse. 149,581, May 11.
 Loud speaker and shelter therefor, Combined. E. W. La Barre. 151,377, Oct. 12.
 Lounge. M. Kaufman. 151,270, Oct. 5.
 Lounge, Beauty salon drying. S. Nichols. 150,247, July 13.
 Lounge chair, Adjustable. F. J. Luketa. 152,200, Dec. 28.
 Louver, Automobile hood. N. J. De Sanders. 151,330, Oct. 12.
 Louvre and drip molding, Combination. C. J. Wagner. 148,831, Feb. 24.
 Lug for drums, Drumhead tensioning. W. F. Ludwig. 151,638, Nov. 2.
 Lug for drums, Twin drumhead tensioning. W. F. Ludwig. 151,640, Nov. 2.
 Lug, Meat. J. M. Gordon. 149,809, June 1.
 Luminaire. F. C. Winkler and D. T. Beggs. 150,745, Aug. 24.
 Luminaire. F. C. Winkler and B. A. Wyman. 151,575-7, Oct. 26.
 Lunchroom, Roadside. G. Dilts. 152,191, Dec. 28.
 Lure, Fishing. G. J. Crabbree. 151,875, Nov. 30.
 Machine for vending cigarettes or the like. F. L. Meagher. 150,154, July 6.
 Machine, Meat cutting. E. C. Steiner. 151,014, Sept. 14.
 Magnifier. H. L. Pemstein. 148,816, Feb. 24.
 Mail box or similar article. G. Holmgren. 148,702, Feb. 17.
 Maintenance machine, Floor. J. Sassano. 151,073, Sept. 21.
 Manicure implement. G. Scoulos. 148,487, Jan. 27.
 Marlinespike. O. Olsen. 149,901, June 8.
 Masking unit for bowling alley pin setters or the like. R. I. Anderson and B. Hoeker. 148,839, Mar. 2.
 Massage instrument. M. M. Sky. 149,700, May 18.
 Massaging device or similar article. L. H. Snyder. 148,587, Feb. 3.
 Masticator for fruits, vegetables, or the like. C. Stuart. 150,523, Aug. 10.
 Mat, Door. C. E. Bauer. 150,671, Aug. 24.
 Mat for a picture frame or similar article, Border. J. Amaru. 148,268, Jan. 6.
 Mat or similar article, Picture frame border. J. Amaru. 148,267, Jan. 6.
 Mat or similar article, Place. K. C. Hamilton. 149,351, Apr. 20.
 Measurer, Combined spoon and cup. L. E. Middleton. 151,282, Oct. 5.
 Measuring device for bowling balls and the like, Span. E. C. Gillett. 148,780, Feb. 24.
 Medal or similar article. T. H. Jones. 148,861, Mar. 2.
 Medal or similar article. T. H. Jones. 149,648, May 18.
 Medal or similar article. T. H. Jones. 149,756-7, May 25.
 Medal or similar article. T. H. Jones. 149,946, June 15.
 Medal or similar article. T. H. Jones. 150,070, June 29.
 Medal or similar article of manufacture. J. F. Malley and L. Ribera. 148,882, Mar. 2.
 Medallion or similar article. T. H. Jones. 148,860, Mar. 2.
 Medallion or similar article. T. H. Jones. 149,646, May 18.
 Medallion or similar article. T. H. Jones. 149,758, May 25.
 Medallion or similar article. T. H. Jones. 149,945, June 15.
 Medallion or similar article. T. H. Jones. 150,071, June 29.
 Merchandise display case. M. Gluckman. 149,630, May 18.
 Merry-go-round. H. Sebel. 148,889, Mar. 2.
 Merry-go-round. R. Stone. 150,381, July 27.
 Microfilm viewer. H. L. Gordon. 150,412, Aug. 3.
 Microphone. C. E. Waltman. 150,275, July 13.
 Microphone, Combined hand and desk. R. L. Stone and F. E. Runge. 149,704, May 18.
 Microphone or the like. J. B. Federico. 150,687, Aug. 24.
 Microphone unit or the like and pedestal therefor. S. W. Pike. 150,457-8, Aug. 3.
 Microscope or similar article. J. T. Armbruster and T. G. Aitcheson. 151,206, Oct. 5.
 Military brush. F. Wagner. 151,109, Sept. 21.
 Milking stool. C. C. Bruner. 151,213, Oct. 5.
 Milling machine. W. B. Dulaney. 149,173, Apr. 6.
 Mincer, Food. M. A. Besozzi. 150,920, Sept. 14.
 Mirror. P. Muller-Munk. 150,644, Aug. 17.
 Mirror and support therefor, Automobile rear view. R. Daon. 148,523, Feb. 3.
 Mirror for automobiles, Vanity. H. Golden. 149,548, May 11.
 Mirror or similar article, Rear vision. J. W. Anderson, Jr. 151,205, Oct. 5.
 Mirror, Rear view. D. Robins. 149,973, June 15.
 Mirror, Round-the-neck. S. J. Winslow. 148,835, Feb. 24.
 Mirror, Shadow box. J. Friedman. 148,610-12, Feb. 10.
 Miter box. H. J. Ziemann. 151,727, Nov. 9.
 Mixer and cooker, Combination confectioners' and bakers'. R. M. Dubin. 148,525, Feb. 3.
 Mixer and mold for margarine and other food products, Combined. G. G. Green. 148,620, Feb. 10.
 Mixer, Concrete. L. G. Hilkemeier. 148,539, Feb. 3.
 Mixer, Concrete. L. G. Hilkemeier and O. R. Knab. 148,540, Feb. 3.
 Mixer, Food. C. Karstadt. 152,158, Dec. 21.
 Mixer, Tilting type concrete. G. A. Fleischmann. 149,176, Apr. 6.
 Moccasin. J. D. Wilson. 148,340, Jan. 6.
 Molding, Billboard frame. R. W. Olmsted. 150,725, Aug. 24.
 Moneybag or similar article. V. Malorana. 150,080, June 29.
 Mophead unit, Combination. P. S. and T. S. Vosbikian. 151,021, Sept. 14.

- Motor and blower base and vacuum cleaner cover, Combined. C. W. Lanter. 149,764, May 25.
- Motorcycle. A. R. Russell. 150,462, Aug. 3.
- Motor, Dictating machine. R. L. Stone. 150,038, June 22.
- Motor, Electric. C. B. Livers. 150,799, Aug. 31.
- Motor, Electric. T. R. Wieseman and R. I. Robinson. 151,308, Oct. 5.
- Mounting device. M. Knorpp. 150,073, June 29.
- Mounting, Finger ring. D. Pfeffer. 151,285, Oct. 5.
- Mounting, Picture. H. G. Koltnow. 151,375, Oct. 12.
- Mower, Power lawn. M. H. Kluter. 151,275, Oct. 5.
- Mowing machine, Power. L. B. Goodall. 150,411, Aug. 3.
- Mowing machine. Rotarv. W. H. Phelos. 149,969, June 15.
- Muff, Ear. E. Schwartz. 149,150, Mar. 30.
- Multigem setting or similar article. S. R. Donchi. 152,068, Dec. 14.
- Musical instrument or similar article. J. Green. 150,132, July 6.
- Napkin and coaster tray, Combined. W. K. Jahn. 150,772, Aug. 31.
- Nebulizer or the like. A. W. Pitts. 148,573, Feb. 3.
- Necklace. N. A. Bauer. 150,538, Aug. 17.
- Necklace. W. W. Hobé. 152,083-5, Dec. 14.
- Necklace. H. Reinstein. 151,938-9, Nov. 30.
- Necklace, armband, and bracelet, Combined. E. R. Orsatti. 150,248, July 13.
- Necklace or similar article. C. Arpels. 150,329, July 27.
- Necklace or similar article. M. Boucher. 151,499, Oct. 26.
- Necklace or similar article. W. W. Hobé. 152,074, Dec. 14.
- Necklace or similar article. W. W. Hobé. 152,086, Dec. 14.
- Necklace or similar article. A. Katz. 148,863, Mar. 2.
- Necklace or similar article. A. Katz. 148,878, Mar. 2.
- Necklace or similar article. A. Katz. 148,996, Mar. 6.
- Necklace or similar article. A. Katz. 149,188, Apr. 6.
- Necklace or similar article. A. Katz. 149,357, Apr. 20.
- Necklace or similar article. A. Katz. 149,361-2, Apr. 20.
- Necklace or similar article. A. Katz. 149,558, May 11.
- Necklace or similar article. A. Katz. 150,301, July 20.
- Necklace or similar article. A. Katz. 150,303, July 20.
- Necklace or similar article. A. Katz. 150,502-3, Aug. 10.
- Necklace or similar article. A. Katz. 150,585, Aug. 17.
- Necklace or similar article. A. Katz. 150,587, Aug. 17.
- Necklace or similar article. A. Katz. 150,592, Aug. 17.
- Necklace or similar article. A. Katz. 150,596, Aug. 17.
- Necklace or similar article. A. Katz. 150,603, Aug. 17.
- Necklace or similar article. A. Katz. 150,606, Aug. 17.
- Necklace or similar article. A. Katz. 150,609, Aug. 17.
- Necklace or similar article. A. Katz. 150,613, Aug. 17.
- Necklace or similar article. A. Katz. 150,618-19, Aug. 17.
- Necklace or similar article. A. Katz. 150,698-9, Aug. 24.
- Necklace or similar article. A. Katz. 150,714, Aug. 24.
- Necklace or similar article. A. Katz. 150,774, Aug. 31.
- Necklace or similar article. A. Katz. 150,778, Aug. 31.
- Necklace or similar article. A. Katz. 150,788, Aug. 31.
- Necklace or similar article. A. Katz. 150,792, Aug. 31.
- Necklace or similar article. A. Katz. 150,794-5, Aug. 31.
- Necklace or similar article. A. Katz. 150,867, Sept. 7.
- Necklace or similar article. A. Katz. 150,870-5, Sept. 7.
- Necklace or similar article. A. Katz. 150,961, Sept. 14.
- Necklace or similar article. A. Katz. 151,244, Oct. 5.
- Necklace or similar article. A. Katz. 151,246-51, Oct. 5.
- Necklace or similar article. A. Katz. 151,253-7, Oct. 5.
- Necklace or similar article. A. Katz. 151,269, Oct. 5.
- Necklace or similar article. A. Katz. 151,352-7, Oct. 12.
- Necklace or similar article. A. Katz. 151,368-71, Oct. 12.
- Necklace or similar article. A. Katz. 151,435-3, Oct. 19.
- Necklace or similar article. A. Katz. 151,770, Nov. 16.
- Necklace or similar article. A. Katz. 151,830, Nov. 23.
- Necklace or similar article. A. Katz. 151,835-9, Nov. 23.
- Necklace or similar article. A. Katz. 151,841-2, Nov. 23.
- Necklace or similar article. A. Katz. 151,844-8, Nov. 23.
- Necklace or similar article. A. Katz. 151,901, Nov. 30.
- Necklace or similar article. A. Philippe. 148,440, Jan. 20.
- Necklace or similar article. A. Philippe. 149,208-9, Apr. 6.
- Necklace or similar article. A. Philippe. 149,215, Apr. 6.
- Necklace or similar article. A. Philippe. 149,296, Apr. 13.
- Necklace or similar article. A. Philippe. 149,835, June 1.
- Necklace or similar article. A. Philippe. 149,837-8, June 1.
- Necklace or similar article. A. Philippe. 149,903, June 8.
- Necklace or similar article. A. Philippe. 150,456, Aug. 3.
- Necklace or similar article. A. Philippe. 150,513, Aug. 10.
- Necklace or similar article. A. Philippe. 150,650, Aug. 17.
- Necklace or similar article. A. Philippe. 150,806-7, Aug. 31.
- Necklace or similar article. A. Philippe. 151,068, Sept. 21.
- Necklace or similar article. A. Philippe. 151,183, Sept. 28.
- Necklace or similar article. A. Philippe. 151,185, Sept. 28.
- Necklace or similar article. A. Philippe. 151,466, Oct. 19.
- Necklace or similar article. A. Philippe. 151,530, Oct. 26.
- Necklace or similar article. A. Philippe. 151,535-6, Oct. 26.
- Necklace or similar article. A. Philippe. 151,540-1, Oct. 26.
- Necklace or similar article. A. Philippe. 151,706-12, Nov. 9.
- Necklace or similar article. A. Philippe. 151,783, Nov. 16.
- Necklace or similar article. A. Philippe. 151,920-3, Nov. 30.
- Necklace or similar article. A. Philippe. 152,016-17, Dec. 7.
- Necklace or similar article. A. Philippe. 152,126, Dec. 14.
- Necklace or the like. H. Bogoff. 151,958, Dec. 7.
- Necktie. D. Margolis and S. Weisblatt. 151,380, Oct. 12.
- Necktie or the like. W. F. Rothe. 151,716-18, Nov. 9.
- Necktie, Pleated. J. B. Grinoch. 150,851, Sept. 7.
- Negligée. V. Giovagnoni. 148,638, Feb. 17.
- Negligée. V. Giovagnoni. 150,691, Aug. 24.
- Negligée. V. Giovagnoni. 151,123, Sept. 28.
- Negligée. V. Giovagnoni. 152,070, Dec. 14.
- Negligée. A. Macksoud. 151,159, Sept. 28.
- Negligée or similar article. A. Roth. 149,024, Mar. 16.
- Nib, Pen. N. E. Weigel. 149,921, June 8.
- Nozzle attachment for vacuum cleaners. R. E. Harvuot. 149,061, Mar. 23.
- Nozzle for dry chemical fire extinguisher. A. La Fountain and A. B. Guise. 148,710, Feb. 17.
- Nozzle, Hose. M. Swimmer. 148,892, Mar. 2.
- Nozzle or similar article, Suction cleaner. H. Dreyfuss. 148,681, Feb. 17.
- Nozzle, Vacuum cleaner. J. G. Lippincott. 148,313-15, Jan. 6.
- Nozzle, Vacuum cleaner. J. G. Lippincott. 149,285, Apr. 13.
- Nutcracker and tray, Combined. I. W. Green. 151,621, Nov. 2.
- Nutcracker or similar article. K. Clark and W. M. Allen. 149,047, Mar. 23.
- Oil drain, or similar article, Extension. W. C. Moore. 152,015, Dec. 7.
- Oil well pumping unit. L. A. Blackburn. 148,405, Jan. 20.
- Oiler, Hog. G. J. Saffert. 151,072, Sept. 21.
- Opener and closer, Railway car door. G. W. Merritt. 151,280, Oct. 5.
- Opener and muddier, Combination bottle. F. E. Hamilton, Jr. 148,535, Feb. 3.
- Opener, Can. J. B. Hudson. 149,754, May 25.
- Opener, Can. A. M. Travis. 148,498-502, Jan. 27.
- Opener, Can. H. C. Wilson. 148,532, May 4.
- Opener, Fruit jar and bottle. H. L. Nichols. 151,065, Sept. 21.
- Opener or similar article, Letter. D. M. Richardson. 150,657, Aug. 17.
- Ophthalmic wire. W. A. Rohman. 151,070, Sept. 21.
- Optical comparator. K. A. Van Dyck. 151,947, Nov. 30.
- Orange juicer and liquifying unit, Combination. B. Cooper, A. F. Hohmann, and A. Bach. 150,936, Sept. 14.
- Organ, Electric. P. M. Fuller. 150,939, Sept. 14.
- Ornament, Automobile hood. L. Ring. 149,443, Apr. 27.
- Ornament, Automobile hood. A. R. Russell. 149,147, Mar. 30.
- Ornament, Cake. L. D. Bush. 148,841, Mar. 2.
- Ornament, Christmas. T. L. Gehr. 151,816, Nov. 23.
- Ornament, Christmas. E. B. Glunz. 151,755, Nov. 16.
- Ornament, Christmas tree. V. P. O'Brien. 150,611, Aug. 10.
- Ornament, Christmas tree. E. J. Schwartzman. 152,028, Dec. 7.
- Ornament, Desk. V. Brown. 149,163-4, Apr. 6.
- Ornament, Desk. V. Brown. 149,248-9, Apr. 13.
- Ornament, Desk. W. O. Warren. 149,850, June 1.
- Ornament, Dress. H. Wapnick. 151,422, Oct. 12.
- Ornament for handbags or the like. F. X. Hiltenbrand. 148,468, Jan. 27.
- Ornament or similar article, Doll's head. M. E. Taylor. 149,526, May 4.
- Ornament or similar article, Lapel. A. Bernecker. 150,918-19, Sept. 14.
- Ornament or similar article, Mantle. F. S. Hicks. 149,943, June 15.
- Ornament or similar article, Vehicle hood. T. W. Pietsch. 150,808, Aug. 31.
- Ornament or similar article, Vehicle hood. H. F. Yaeger. 149,601, May 11.
- Ornament or similar article, Vehicle hood. H. F. Yaeger. 151,310, Oct. 5.
- Ornament, or the like, Vehicle. G. C. Knight. 150,717, Aug. 24.
- Ornament, Table. C. W. Biener. 151,116, Sept. 28.
- Orphrey or similar article. A. Baumgarther. 150,544, Aug. 17.
- Orphrey or similar article. O. A. Scheurmann. 149,090, Mar. 23.
- Orphrey or similar article. O. A. Scheurmann. 150,659, Aug. 17.
- Outboard power unit for gliders. E. H. Rowley. 148,444, Jan. 20.
- Outlet, Electrical wall. M. S. Adler. 150,529, Aug. 17.
- Oven and grill, Combined. C. L. Moffat. 151,384, Oct. 12.
- Oven control knob for gas stoves. R. I. Felver. 150,345, July 27.

- Oven or the like, Dutch. H. D. La Mont. 148,627, Feb. 10.
- Overall, Lady's one-piece. H. C. Cookman. 149,256, Apr. 13.
- Overshoe. R. B. Hardman. 150,694, Aug. 24.
- Overshoe, Lined. H. W. Boettge. 150,200, July 13.
- Overshoe or similar waterproof article. J. E. Hard. 148,699, Feb. 17.
- Pack for fragile articles. W. J. De Reamer. 150,753, Aug. 31.
- Pack for fragile articles. W. E. Parsons and W. H. Randall. 148,645, Feb. 10.
- Pack for glass tumblers or like fragile articles. E. L. Shepard. 148,824, Feb. 24.
- Pad, Child's play. R. S. Claffin. 149,474, May 4.
- Palette, or similar article, Make-up. F. Wies. 150,279, July 13.
- Pan, Animal watering. P. D. Southworth. 149,151, Mar. 30.
- Pan for water closet tanks, Drip. V. E. Laufenberg. 150,306, July 20.
- Panel, Hydraulic control. B. L. Readman. 148,722, Feb. 17.
- Paper box body. W. E. Selby, Jr. 150,034-5, June 22.
- Paper, Decorative. W. Burton. 148,859, June 8.
- Paper, Gift wrapping. S. Karlin. 150,015, June 22.
- Paperweight. G. Scherff. 149,229, Apr. 6.
- Paperweight or like ornament. H. E. Geron. 149,629, May 18.
- Paper weight, Transparent. J. G. Funrock. 149,116-17, Mar. 30.
- Parabolic reflector for microwave antennae. D. S. Kennedy. 150,626, Aug. 17.
- Paving machine, Road. C. B. Stevens. 148,963, Mar. 9.
- Pedestal. F. Tatar. 148,893, Mar. 2.
- Peeler, Orange. A. Miller. 152,205, Dec. 28.
- Peeler, Vegetable. J. E. Davis. 148,771, Feb. 24.
- Peeler, Vegetable and fruit. L. R. Meyran. 149,290, Apr. 13.
- Peg, Clothes. D. Nield. 151,651, Nov. 2.
- Pen and pencil, Combination. G. A. Goessling. 151,233, Oct. 5.
- Pen, Fountain. J. Starr. 150,320, July 20.
- Pen or like article. E. Douglas. 148,917, Mar. 9.
- Pen or similar article, Ball. A. S. Weston. 148,338, Jan. 6.
- Pen or similar article, Fountain. P. Schladermundt and O. Emslie. 150,260, July 13.
- Pen or similar article, Fountain. W. D. Teague and R. J. Harper. 151,664-5, Nov. 2.
- Pen receptacle unit, Fountain. L. Moholy-Nagy. 150,311-13, July 20.
- Pencil, Calendar. J. M. Sherrer. 151,661, Nov. 2.
- Pencil, Magnetic. R. McFadyen. 149,897, June 8.
- Pencil, Mechanical. W. Green and P. Schladermundt. 149,486, May 4.
- Pencil, Mechanical. S. G. Lipic. 151,052, Sept. 21.
- Pencil, Mechanical. H. W. Sams. 151,658, Nov. 2.
- Pendant. H. Fehrenbach. 150,003, June 22.
- Pendant charm. E. G. Schwarz. 151,288, Oct. 5.
- Pendant, Luminous. J. C. MacLennan. 148,938, Mar. 9.
- Pendant or similar article. P. Flato. 150,352, July 27.
- Pendant or similar article. K. Harrington. 148,989, Mar. 16.
- Pendant or similar article. M. Koven. 149,071, Mar. 23.
- Penholder. B. Blecher. 148,973, Mar. 16.
- Percolator or the like. P. Muller-Munk. 149,513, May 4.
- Perfume bottle. E. Gordon and H. Sanders. 151,125, Sept. 28.
- Perfume diffuser. H. Cobbs. 148,766, Feb. 24.
- Perfume diffuser. H. Cobbs. 149,252, Apr. 13.
- Perfume dispenser. J. L. Priess. 150,371, July 27.
- Perimeter. R. F. E. Stegeman. 149,594, May 11.
- Phonograph. M. Mayerson. 151,381, Oct. 12.
- Phonograph needle. J. W. Berggren. 148,746, Feb. 24.
- Phonograph or the like. H. L. Everett. 148,921, Mar. 9.
- Phonograph tone arm or the like. J. B. Federico. 150,117-23, July 6.
- Phonograph tone arm or the like. J. B. Federico. 150,215-17, July 13.
- Photoelectric cell circuit. A. Wolf and G. Herzog. Re. 23,023, Aug. 3.
- Photographic camera. E. H. Land. 151,774, Nov. 16.
- Photographic enlarger. A. Drucker. 150,681, Aug. 24.
- Photographic enlarger. R. L. Penneck, Jr. 149,670, May 18.
- Photographic filter turret and sun shade, Combination. A. J. Weinstein. 150,102, June 29.
- Photographic printing machine. F. G. Knowles. 150,074, June 29.
- Piano. L. Bromberg. 151,585, Nov. 2.
- Piano and xylophone unit, Combination. B. F. Jay. 150,575, Aug. 17.
- Piano case. W. M. Day. 150,060-1, June 29.
- Piano, Grand. E. D. Kapphan. 152,089, Dec. 14.
- Piano, Miniature. H. B. Rhodes. 151,005, Sept. 14.
- Pick up arm for electrical phonographs. M. Ferrar. 150,347, July 27.
- Picking finger unit, Chicken. B. T. Norman. 149,086, Mar. 23.
- Picture viewer. F. B. Ingram. 150,573, Aug. 17.
- Pilot and buzzer station, Combined. G. H. Kress. 151,627, Nov. 2.
- Pin. R. G. Biggins. 149,609, May 18.
- Pin. H. Bogoff. 148,277, Jan. 6.
- Pin. G. L. Harwell. 150,356, July 27.
- Pin. W. J. Jorgenson. 151,348, Oct. 12.
- Pin, Chatelaine. S. Packales. 148,384, Jan. 13.
- Pin clip or similar article. A. Philippe. 151,549, Oct. 26.
- Pin, Fob. G. J. Lederer. 149,566-71, May 11.
- Pin, Jewelry. M. Koven. 148,798, Feb. 24.
- Pin, Lapel. F. J. Pearsall. 149,140, Mar. 30.
- Pin or similar article. M. Boucher. 148,672, Feb. 17.
- Pin or similar article. M. Boucher. 148,751, Feb. 24.
- Pin or similar article. A. Elkonin. 151,616, Nov. 2.
- Pin or similar article. P. Flato. 150,351, July 27.
- Pin or similar article. P. Kaufman. 149,559, May 11.
- Pin or similar article. P. Kaufman. 149,821, June 1.
- Pin or similar article. E. J. Richter. 148,443, Jan. 20.
- Pin or similar article, Brooch. S. Hobe. 149,490-3, May 4.
- Pin or similar article, Brooch. S. Hobe. 149,495-7, May 4.
- Pin or similar article, Brooch. S. Hobe. 149,746-53, May 25.
- Pin or similar article, Chatelaine. A. Katz. 149,760, May 25.
- Pin or similar article, Chatelaine. A. Katz. 149,820, June 1.
- Pin or similar article, Lapel. B. Kohn. 148,549, Feb. 3.
- Pin or the like. M. Freeman. 149,743, May 25.
- Pin, Push. H. E. Sweet. 149,099, Mar. 23.
- Pin tray unit, Articulated. R. M. Seeger. 151,289, Oct. 5.
- Pipe. F. Furedy and M. W. Dynes. 150,219, July 13.
- Pipe. V. W. Jones. 149,819, June 1.
- Pipe attachment, Smoking. L. W. Russi. 151,558, Oct. 26.
- Pipe fitting, Exhaust. J. C. Kelly. 149,650, May 18.
- Pipe, Hang-type smoker's. K. F. J. Kirsten. 150,716, Aug. 24.
- Pipe smoker's stand. W. C. Zelle. 150,391, July 27.
- Pipe, Smoking. M. Van Dirsten and B. A. and H. L. Bassett. 148,503, Jan. 27.
- Pipe stem, Smoker's. J. A. Warch. 150,042, June 22.
- Pipe, Tobacco. E. E. Gregory. 149,410, Apr. 27.
- Pistol. J. F. Dille. 149,113, Mar. 30.
- Pitcher. R. J. Kemper. 152,159, Dec. 21.
- Pitcher or similar article, Cream. N. E. Graven. 151,511, Oct. 26.
- Pitcher, Wine. V. Hingelberg. 148,623, Feb. 10.
- Plane, Carpenter's. R. Gouirand. 151,979, Dec. 7.
- Plane, Rotor. J. Youhouse. 151,669, Nov. 2.
- Plaque. H. J. Moran, S. P. McPhillips, and V. A. Mead. 150,025, June 22.
- Plaque, Advertising. C. Kompas. 149,273, Apr. 13.
- Plaque or similar article. D. R. Young. 150,282, July 13.
- Plaque, Wall. H. Johnson. 148,543, Feb. 3.
- Plate, Camera. M. R. Hutchison, Jr. 148,790, Feb. 24.
- Plate for automobiles or similar articles, Display. P. B. Searcy. 148,583, Feb. 3.
- Plate for bicycle pedals, End. H. Golden. 150,762, Aug. 31.
- Plug for electric outlets, Dummy. G. H. Tillinghast. 151,571, Oct. 26.
- Plate for electric room heating units, Front. A. J. D. Ohm. 152,122, Dec. 14.
- Plate for motorcycles, Name. C. B. Stevens. 148,397, Jan. 13.
- Plate or similar article, Dinner. J. T. Wigley. 149,325, Apr. 13.
- Plate or the like. M. Gougler. 148,783, Feb. 24.
- Plate or the like. M. Sebald. 148,822-3, Feb. 24.
- Plate or the like. C. C. Yee. 148,510, Jan. 27.
- Plate, Plug receptacle escutcheon. J. D. McDonald. 150,242, July 13.
- Platter. E. S. Zeisel. 149,721, May 18.
- Platter or similar article, Meat. N. S. Newman. 149,085, Mar. 23.
- Play suit. M. F. Laszlo. 150,993, Sept. 14.
- Play yard equipment. R. T. Bowden and G. B. Roberts. 150,400, Aug. 3.
- Pliers for inserting cotter pins. G. Richardson. 149,675, May 18.
- Plug, Artificial bait casting. W. G. Levan. 149,503, May 4.
- Plug, Connector. A. Giammatteo. 150,410, Aug. 3.
- Plug, Electric. S. Turk. 148,896, Mar. 2.
- Plug, Electric attachment. J. B. Miller. 149,433, Apr. 27.
- Plug, Electrical connection. V. S. Ward and G. K. Hurlbut. 148,897, Mar. 2.
- Plug or similar article, Electric connector. W. H. Cook. 148,459, Jan. 27.
- Poker chip. C. E. Caestecker. 149,613, May 18.
- Poker chip, Interlocking. C. B. Woofter. 149,533, May 4.
- Pool board, Rack. H. M. Wescott. 151,201, Sept. 28.
- Pool, Swimming. E. A. Clemetsen. 149,340-1, Apr. 20.
- Port leg flange. E. T. Price. 150,460, Aug. 3.
- Portable drainboard, serving tray, and cooling rack, Combined. D. G. Jensen. 151,047, Sept. 21.
- Pot, Flower. S. Rosenberg. 150,258, July 13.
- Power driven tool unit, Portable. F. O. Albertson. 150,531, Aug. 17.
- Power take-off attachment for sewing machines. V. J. Sigoda. 150,262, July 13.
- Press, Dental. K. Meister. 149,898, June 8.
- Press, Drill. C. B. Stevens. 148,827, Feb. 24.
- Press, Hydraulic. A. M. Ashman. 150,670, Aug. 24.
- Pressure regulator for butane gas systems. O. Z. Mathews. 150,368, July 27.

- Price tag molding and trim. F. G. Schuler. 150,466, Aug. 3.
- Projector. T. G. Clement. 148,764, Feb. 24.
- Projector. C. R. Diedrich. 152,190, Dec. 28.
- Projector. O. R. Nemeth. 152,207, Dec. 28.
- Projector. B. J. Wolfe. 150,044, June 22.
- Projector, Automatic slide. E. C. Klotz, Jr. 149,420, Apr. 27.
- Projector, Contour, or the like. J. T. Armbruster. 151,951, Dec. 7.
- Projector for handling transparent plates. H. G. Fitz Gerald. 151,878, Nov. 30.
- Projector, Motion picture. L. H. Moomaw. 148,480, Jan. 27.
- Projector, Motion picture. M. C. Ubaldi. 148,830, Feb. 24.
- Projector, Movie. J. Briskin and C. Peto. 148,976, Mar. 16.
- Projector or the like. J. T. Armbruster. 149,995, June 22.
- Projector, Picture. H. Wolfer and M. Marder. 150,914, Sept. 7.
- Projector, Visual educational. H. B. Roysber. 150,317, July 20.
- Protector, Combined shelf and roll curtain wall. E. Prinz. 148,721, Feb. 17.
- Protector, Ear drum. J. J. Cantor. 148,908, Mar. 9.
- Protector for baby's shoe. V. L. Lyons. 152,009, Dec. 7.
- Protector, Golf club head. M. M. Booxbaum. 150,052, June 29.
- Pruning saw. G. L. Whitman and C. D. Gunn. 151,725, Nov. 9.
- Pull for doors and the like. D. C. Hay. 152,198, Dec. 28.
- Pulley or similar article, Clothesline. E. Lorenz. 148,712, Feb. 17.
- Pulpit. H. J. Tazelaar. 150,170-4, July 6.
- Pulsator, Milking machine. E. Rawson. 151,004, Sept. 14.
- Pump. E. J. Svenson. 149,389, Apr. 20.
- Pump, Air. L. E. Russell. 150,097, June 29.
- Pump, Well. E. E. Theis. 151,019, Sept. 14.
- Punch and opener, Can. J. Westerlund. 148,400, Jan. 13.
- Puppet. B. Baird. 148,272, Jan. 6.
- Push button. C. E. Waltman. 151,305, Oct. 5.
- Pushcart. F. P. Nelson. 149,437, Apr. 27.
- Putter head. S. N. Liolich. 150,798, Aug. 31.
- Putting aid device for a golf club. C. F. Forsell. 150,497, Aug. 10.
- Puzzle or similar article. A. M. Renault. 151,657, Nov. 2.
- Rack, Book display. R. F. Schuster. 149,910, June 8.
- Rack, Catalogue. E. P. Krag. 148,473, Jan. 27.
- Rack, Cigarette. H. Thomas. 150,175, July 6.
- Rack. Coat and hat. A. Stauber. 152,038, Dec. 7.
- Rack, Earring. P. L. Trenholm. 148,894-5, Mar. 2.
- Rack, Egg. J. J. Meehan. 148,377, Jan. 13.
- Rack for nursing bottles or the like. E. Adler. 149,465, May 4.
- Rack, Garden tool. D. McCann, I. Berlin, and F. L. Graham. 149,135, Mar. 30.
- Rack, Knife. E. E. Case. 148,283, Jan. 6.
- Rack, Knife. A. E. Rosenberg. 149,679, May 18.
- Rack, Magazine. L. S. Crain. 149,740-1, May 25.
- Rack, Necktie. A. L. Atkins. 149,103, Mar. 30.
- Rack or similar article, Folding. H. J. Fowler. 149,628, May 18.
- Rack or similar article, Tie. H. A. Tomarin. 151,572, Oct. 26.
- Rack or the like, Cloak. C. G. Irelow. 149,816, June 1.
- Rack, Portable magazine. W. Hansen. 148,788, Feb. 24.
- Rack, Potholder. H. A. Wild. 148,738, Feb. 17.
- Rack, Razor. B. Seidel. 150,469, Aug. 3.
- Rack, Sewing. J. V. Dente. 151,508, Oct. 26.
- Rack, Shoe. A. S. Darby. 149,112, Mar. 30.
- Rack, Tie. A. Waterman. 148,596, Feb. 3.
- Rack, Towel. K. Kipp. 151,272, Oct. 5.
- Racquet press. C. B. Briggs. 151,680, Nov. 9.
- Radio and bed lamp, Combined. L. R. Brothers. 151,320, Oct. 12.
- Radio and lamp, Combination. J. Robinson, Jr. 149,022, Mar. 16.
- Radio and phonograph cabinet, Combination. M. J. Wachsmann. 150,274, July 13.
- Radio cab. H. Sherry. 152,029, Dec. 7.
- Radio cabinet. R. D. Budlong. 150,925, Sept. 14.
- Radio cabinet. E. M. Valley. 152,179, Dec. 21.
- Radio cabinet, clock, and lamp, Combined. A. C. Black. 150,922, Sept. 14.
- Radio, clock, and lamp, Combined. I. Engel. 149,406, Apr. 27.
- Radio receiver cabinet. N. Bel Geddes. 150,126, July 6.
- Radio receiver cabinet. A. L. Jenks. 152,156, Dec. 21.
- Radio receiver or similar article, Coin-operated. N. Wind. 149,600, May 11.
- Radio receiver with timed automatic station selector and tuner. J. Lolli and G. Papitto. 150,145, July 6.
- Radio receiving set. F. A. Dawson. 148,288, Jan. 6.
- Rail for Venetian blinds, Lower. H. S. Rosenbaum. 151,410, Oct. 12.
- Railway vehicle. R. W. Haman and S. W. Kay. 150,415, Aug. 3.
- Range, Cooking. F. D. Pellegrin. 148,884, Mar. 2.
- Range, Electric. R. Loewy. 150,719, Aug. 24.
- Range, Kitchen. C. G. Bjornrantz. 149,045, Mar. 23.
- Range, Kitchen. J. O. Reinecke. 149,773, May 25.
- Rattle or the like, Baby. H. Wapnick. 150,478, Aug. 2.
- Ravioli. C. J. Carapellotti. 151,871, Nov. 30.
- Razor and blade holder. C. M. Carr. 149,614, May 18.
- Razor and shear kit. W. E. Martin. 149,896, June 8.
- Razor, Electric. P. C. Neilsen. 150,439, Aug. 3.
- Razor, Safety. H. Ruskin. 150,318, July 20.
- Receiver, camera, clock, and cigarette lighter, Combined portable radio. D. N. Sharma. 148,725, Feb. 17.
- Receiver, Radio broadcast. F. E. Neill. 149,435, Apr. 27.
- Receptacle for cosmetics and other articles. W. A. Dion. 149,114, Mar. 30.
- Receptacle, Heat insulated storage. L. M. Schnitzer. 151,074, Sept. 21.
- Receptacle, Range. G. W. Florian. 148,349, Jan. 13.
- Receptacle, Toilet roll. J. N. Wood. 151,023, Sept. 14.
- Receptacle, Waste. A. Naiden. 148,813, Feb. 24.
- Receptacle, Waste. A. M. Snider. 148,825, Feb. 24.
- Record file. G. H. Kress. 152,163, Dec. 21.
- Record player and radio, Combination. C. A. Peterson. 152,125, Dec. 14.
- Recorder, Facsimile. W. D. Teague. 151,418-20, Oct. 12.
- Recording studio building or the like. M. Kertinger. 151,715, Nov. 9.
- Reel, Film. J. M. Goldmann. 151,619, Nov. 2.
- Reel, Fishing. L. Denys. 150,213, July 13.
- Reel, Fishing. G. F. Laing and A. C. Hagstrom. 148,370, Jan. 13.
- Reel, Hose. H. E. Kirschner. 151,274, Oct. 5.
- Reel, Hose. W. H. C. Rehm. 152,217, Dec. 28.
- Reel, Trolling. W. H. Thompson. 149,152, Mar. 30.
- Reflector assembly for a heat lamp. J. A. Mehr. 152,113, Dec. 14.
- Reflector, Street lighting. C. H. Rex. 149,972, June 15.
- Refrigerating system, continuous absorption. C. C. Coons. Re. 23,032, Aug. 31.
- Refrigerator. N. Achs. 149,240, Apr. 13.
- Refrigerator and freezer casing, Combination. A. Schupp. 149,591, May 11.
- Refrigerator, Table type. E. A. Kirchhoff. 151,273, Oct. 5.
- Regulator, Gas. T. A. St. Clair and W. R. Eddy. 151,471, Oct. 19.
- Renovator, Floor. H. G. Lilly. 152,006, Dec. 7.
- Respirator. R. B. Haller. 150,569, Aug. 17.
- Rest, Knife. W. R. Vermillion. 152,230, Dec. 28.
- Ribbon unit for marking machines, Transfer. H. E. Edwards. 149,051, Mar. 23.
- Riding stick toy. A. R. Mellor. 151,910, Nov. 30.
- Rig for bass, Eelskin. J. Williamowicz. 151,481, Oct. 19.
- Ring. M. Koven. 149,653, May 18.
- Ring. T. V. Phelan. 150,726, Aug. 24.
- Ring, Finger. F. P. Kinsley. 149,070, Mar. 23.
- Ring, Finger. F. P. Kinsley. 149,190, Apr. 6.
- Ring, Finger. M. F. Madier. 148,715, Feb. 17.
- Ring, Finger. J. L. Sabol. 148,392, Jan. 13.
- Ring, Finger. T. F. Strub. 149,456, Apr. 27.
- Ring, Finger. R. H. Taylor. 151,198, Sept. 28.
- Ring or similar article. A. Hoeckele. 150,952, Sept. 14.
- Ring or similar article. M. Koven. 152,108, Dec. 14.
- Ring or similar article, Finger. M. B. Richey. 148,723, Feb. 17.
- Ring or similar article, Finger. V. Sorrentino. 149,097, Mar. 23.
- Ring or the like. S. A. Reichmuth. 152,020, Dec. 7.
- Ring, Puzzle finger. J. D. Anderson. 149,784, June 1.
- Ring shank. H. Peterson. 150,370, July 27.
- Ring, Toe. J. Shapiro. 151,789, Nov. 16.
- Roaster, Electric. C. W. Sunberg and M. Ferar. 152,042, Dec. 7.
- Roasting machine, Coffee. A. S. Torres. 148,735, Feb. 17.
- Robe, Chenille. G. H. McLaughlin. 151,055-6, Sept. 21.
- Robe or similar article. S. Valenstein. 148,665, Feb. 10.
- Rocker, Child's. L. Hollander. 149,500, May 4.
- Rocking chair or similar article, Folding. H. A. Smith. 150,894, Sept. 7.
- Rocking chair, straight chair and tray chair for infants, Combination. R. O. Meyer and F. L. Strotz. 150,088, June 29.
- Rocking horse. C. O. Leftwich. 150,995, Sept. 14.
- Rocking horse. S. Stein. 149,098, Mar. 23.
- Roller, Road. E. Essick. 148,292, Jan. 6.
- Roller, Road. K. M. Grier. 148,350, Jan. 13.
- Roller, Tandem road. O. L. Berby. 150,396, Aug. 3.
- Rosary. C. Vandernoot. 149,462, Apr. 27.
- Roundabout. J. S. Evans. 149,407, Apr. 27.
- Routing machine. W. F. Huck. 151,044, Sept. 21.
- Ruffler attachment housing for sewing machines. V. J. Sigoda. 151,790, Nov. 16.
- Rug. L. Biva. 149,107, Mar. 30.
- Rug. W. P. Kansteiner. 148,625, Feb. 10.
- Rug or similar article of manufacture, Scatter. A. D. Clist. 148,521, Feb. 3.
- Rug, Rag. J. Jebiley and S. Haddad. 148,420, Jan. 20.
- Sachet bag and perfume bottle container, Combined. E. N. Graham. 148,927, Mar. 9.
- Saddle. L. Kosloff. 148,934, Mar. 9.
- Sandglass. M. L. Lavine. 149,274, Apr. 13.
- Sandal base, Beach. A. B. Vickers. 152,046, Dec. 7.
- Sandal, Lady's. A. Capozzi. 148,281, Jan. 6.
- Sandal, Shower. W. D. Wilson. 152,233, Dec. 28.
- Saucer and cream pitcher holder, Combination. E. J. Zachary. 150,666, Aug. 17.
- Savings bank. A. Quackenbush. 151,556, Oct. 26.
- Saw, Band. C. B. Stevens. 152,225, Dec. 28.

- Saw, Circular. C. B. Stevens. 152,227, Dec. 28.
 Saw, Meat. E. C. Karp. 150,958, Sept. 14.
 Saw, Meat. D. A. Meeker, G. B. Fox, and B. E. Sullenberger. 149,203, Apr. 6.
 Saw, Portable motor-driven. P. Schildknecht. 148,486, Jan. 27.
 Saw, Scroll. C. B. Stevens. 152,226, Dec. 28.
 Scale. E. C. Karp. 151,350, Oct. 12.
 Scale. D. A. Meeker and K. C. Allen. 151,062, Sept. 21.
 Scale indicator. L. D. Singleton. 150,163, July 6.
 Scale, Postal. N. Shewitz, P. L. Sloane, and A. Vaiksnoras, Jr. 152,221, Dec. 28.
 Scarf. A. M. Goldberg. 148,926, Mar. 9.
 Scarf. J. J. Vallanti. 150,040, June 22.
 Scarf or the like, Decorative. S. Goldenstein. 151,756, Nov. 16.
 Scissors. G. J. Staab. 150,166-7, July 6.
 Scooter. J. C. Bancroft. 149,730, May 25.
 Scooter. Z. Gezari. 148,848, Mar. 2.
 Scooter, Motor. K. McLellan. 148,556-7, Feb. 3.
 Scooter, Motor. H. J. Mertz. 148,716, Feb. 17.
 Scraper or similar article. H. Eisenberg. 148,920, Mar. 9.
 Screen, Vignetter. R. B. Johns. 148,470, Jan. 27.
 Screw driver. S. Jacoff. 152,155, Dec. 21.
 Screw driver, Socket. J. Magnus, Jr. 150,800, Aug. 31.
 Scriber. C. A. Duda. 152,193, Dec. 28.
 Scythe. G. W. Carlson. 148,909, Mar. 9.
 Scythe. H. L. Heineke. 150,570, Aug. 17.
 Seat, Adjustable fishing reel. C. H. Matson. 151,649, Nov. 2.
 Seat and telephone stand, Combined. N. Stein. 148,337, Jan. 6.
 Seat, back and washbasins unit, Combined. O. Kuhler. 148,709, Feb. 24.
 Seat for glider, Chassis. H. S. Nagin and E. Werner. 150,093, June 29.
 Seat, Lawn. R. M. Rink. 152,023, Dec. 7.
 Seat Machine. W. A. Fleischer. 148,922, Mar. 9.
 Semi-trailer. E. Ellberg. 151,970, Dec. 7.
 Separator, Ball-bearing. J. E. Sonnhalter. 152,035, Dec. 7.
 Server, Salad. A. C. Weiss. 151,480, Oct. 19.
 Service station. H. C. Brown. 150,491, Aug. 10.
 Service station. L. T. White. 151,724, Nov. 9.
 Service station island, Automobile. J. A. Hardesty. 148,928, Mar. 9.
 Settee. R. I. Anderson and B. Hoeker. 149,333, Apr. 20.
 Setting or similar article, Gem. J. H. Schaeffer. 149,149, Mar. 30.
 Sewing kit or similar article. T. Scarlet. 149,909, June 8.
 Sewing machine. N. V. Christensen. 149,795, June 1.
 Shade, Lamp. G. U. Van Brunt. 149,391, Apr. 20.
 Shade or the like, Lamp. L. E. Lindenbaum. 149,008, Mar. 16.
 Shaker, Condiment. B. Blecher. 148,906, Mar. 9.
 Shaker, Condiment. B. Blecher. 150,749, Aug. 31.
 Shaker, Condiment. M. Steele. 148,651, Feb. 10.
 Shaker, Salt. V. A. Kasin. 148,862, Mar. 2.
 Sharpener and eraser, Combined pencil. W. R. Jalof. 149,356, Apr. 20.
 Sharpener, Drill. R. P. Smith. 151,792, Nov. 16.
 Sharpener, Knife. B. L. Chapin, N. L. Davis, and T. H. Cabot, Jr. 151,324, Oct. 12.
 Sharpener, Knife. J. E. Davis. 149,342, Apr. 20.
 Sharpener, Knife. E. E. Jacobs. 150,955, Sept. 14.
 Sharpener, Pencil. A. J. E. Kihlberg. 151,456, Oct. 19.
 Sharpener, Scissors. B. L. Chapin, N. L. Davis, and T. H. Cabot, Jr. 151,323, Oct. 12.
 Shears. C. L. Mortensen. 152,118, Dec. 14.
 Shears, Pruning. J. L. Smith. 151,791, Nov. 16.
 Shelf. L. Wolf. 149,239, Apr. 6.
 Shelf, Book. E. J. Spence. 150,378, July 27.
 Shelf for bathroom cabinet or similar article. W. Faneill and C. A. Laystrom. 149,175, Apr. 6.
 Shelf or similar article, Wall. S. K. Wolff. 151,203, Sept. 28.
 Shelf unit, Portable. M. M. and L. K. Miller. 148,479, Jan. 27.
 Shield for a tubular lamp, Diffusing. R. O'Connell. 151,066, Sept. 21.
 Shield unit. Baseboard radiator. H. J. Weber and D. F. Bennett. 151,022, Sept. 14.
 Shirt or similar article. V. Zito. 152,051, Dec. 7.
 Shirt, Sport. D. Aminoff. 149,395, Apr. 27.
 Shirt, Sport. D. Aminoff. 150,046, June 29.
 Shoe. G. G. Davis. 150,001, June 22.
 Shoe. M. Kagan. 149,419, Apr. 27.
 Shoe. G. G. and M. Kasket. 149,759, May 25.
 Shoe. R. Maling. 151,644-5, Nov. 2.
 Shoe. J. Sandler. 149,683-95, May 18.
 Shoe. J. Sandler. 150,729-31, Aug. 24.
 Shoe. I. Tarlow. 148,964, Mar. 9.
 Shoe. J. J. Walsh. 151,303-4, Oct. 5.
 Shoe. A. Wertheim. 150,743, Aug. 24.
 Shoe, Baby. E. M. Potts. 148,954, Mar. 9.
 Shoe brush and dirt pick, Combination. W. J. Fournier. 150,218, July 13.
 Shoe, Infant's. S. Griffin. 150,568, Aug. 17.
 Shoe or similar article. R. Bodie and S. C. Bronson. 149,160, Apr. 6.
 Shoe or similar article, Lady's. D. E. Levin. 149,073, Mar. 23.
 Shoe or similar article, Men's athletic. R. A. Parker. 149,139, Mar. 30.
 Shoe or similar article, Sport. M. P. Arnoff. 148,451, Jan. 27.
 Shoe or the like, Athletic. M. Campagna. 148,519, Feb. 3.
 Shoe sole. H. Laybolt. 151,519, Oct. 26.
 Shoe sole. A. E. Shaffer and L. D. Morningstar. 149,698, May 18.
 Shoe sole or similar article. F. B. Huzzard. 151,043, Sept. 21.
 Shoe, Winter sport. F. C. Treat. 149,236, Apr. 6.
 Showcase. G. S. Cushman. 148,842, Mar. 2.
 Showcase. W. A. Yantis. 148,767, Feb. 24.
 Showcase. W. A. Yantis. 152,050, Dec. 7.
 Shower curtain ring. H. D. Schmidt. 150,373-4, July 27.
 Shower, Doll's stall. M. A. Marshall. 148,554, Feb. 3.
 Shower head. R. E. Bletcher and E. H. Bucknell. 152,054, Dec. 14.
 Showerhead or similar article. W. W. Cushman and R. H. Hansen. 150,113, July 6.
 Shower, Transparent doll's stall. M. A. Marshall. 148,553, Feb. 3.
 Shrine. J. C. Lown. 148,881, Mar. 2.
 Shrine or similar article. W. Barbanell. 148,273, Jan. 6.
 Shrine or similar article and case therefor, Combined. W. T. Jones. 149,126, Mar. 30.
 Shuffleboard cue head. C. E. Gunklach. 151,821, Nov. 23.
 Shuttlecock. W. J. Studer. 148,733, Feb. 17.
 Shuttlecock, Badminton. W. J. Studer. 148,732, Feb. 17.
 Sifter, Flour. J. E. Davis. 148,769, Feb. 24.
 Sight, Shot gun. K. D. Richards. 151,408, Oct. 12.
 Sign, Highway. W. Rossman. 150,259, July 13.
 Sign, Illuminable. J. R. Fitzgerald and Z. S. Levine. 151,442, Oct. 19.
 Signal device. P. von Frantzius. 150,384, July 27.
 Signal, Traffic. R. O. Ferguson. 148,527-9, Feb. 3.
 Signal, Traffic. R. O. Ferguson. 148,669, Feb. 10.
 Signal, Traffic. J. J. Hammer. 149,352, Apr. 20.
 Signalling device, Electric. G. L. Bossard. 150,287, July 20.
 Sink. L. Keller. 148,794-6, Feb. 24.
 Skate sharpener and chain, Combined. M. J. McGoey. 152,011, Dec. 7.
 Ski sandal. G. W. Lothrop. 151,699, Nov. 9.
 Skimmer, Cream. F. E. Hale. 149,181, Apr. 6.
 Skirt ensemble or similar article of wearing apparel. O. H. Cohen. 152,138, Dec. 21.
 Sled. J. L. Shaller. 152,220, Dec. 28.
 Sled. C. W. Snadberg. 151,416, Oct. 12.
 Sled knee. C. W. Sunberg. 151,100, Sept. 21.
 Sled or similar article, Ski. C. S. Anderson. 148,741, Feb. 24.
 Sled or the like, Snow. J. L. Turner. 148,829, Feb. 24.
 Sled, Snow. J. R. Kovar. 149,563, May 11.
 Sleeping structure for mounting on top of an automobile, Portable. N. S. Smith. 148,335, Jan. 6.
 Slicer, Vegetable. A. W. Norman. 151,856, Nov. 23.
 Slicer, Vegetable. F. R. Smith. 151,414, Oct. 12.
 Slicing utensil, Fruit. J. D. Dougherty. 149,622, May 18.
 Slip. H. J. Greenberger. 151,446, Oct. 19.
 Slip. N. Hochbaum. 151,992, Dec. 7.
 Slip. K. Kaplan. 151,887, Nov. 30.
 Slip. L. Rose, L. Myers, and M. Richter. 151,941, Nov. 30.
 Slip, Lady's. H. Caplin. 150,492, Aug. 10.
 Slip or similar article. L. Silverman. 149,094, Mar. 23.
 Slipper. E. K. Bradley. 151,870, Nov. 30.
 Slipper. J. Goldstein. 149,549, May 11.
 Slipper. W. M. Page. 152,209, Dec. 28.
 Slipper or similar article. J. Gregg. 149,179-80, Apr. 6.
 Slipper or similar article, Bedroom. J. N. Walters. 150,178, July 6.
 Soap and wash cloth display device, Novelty. J. G. Johns. 149,125, Mar. 30.
 Soap, Cake of. E. F. Haskell. 150,695, Aug. 24.
 Soap cakes and display package unit, Combined. D. B. Hay. 149,873-4, June 8.
 Soap dish. J. W. Bradbury. 151,211, Oct. 5.
 Soap dish, Hygienic. B. D. Kaplan. 149,066, Mar. 23.
 Socket and control switch, Combined bracket lamp. C. F. Bookman, Jr., and Z. H. Jammé. 151,489, Oct. 26.
 Socket, Angle. C. J. Adams and H. Z. Benton. 151,314, Oct. 12.
 Socket, Bracket lamp. C. F. Bookman, Jr., and Z. H. Jammé. 148,750, Feb. 24.
 Sofa. A. J. Buckner. 151,587, Nov. 2.
 Sofa bed. G. L. Stanley. 151,295, Oct. 5.
 Sole or similar article, Shoe. S. G. Wager. 149,529, May 4.
 Sole, Shoe. H. Laybolt. 149,888, June 8.
 Sole, Shoe. H. Laybolt. 149,890, June 8.
 Solvent recovery machine. C. F. Dinley. 150,557, Aug. 17.
 Sound translating machine. R. Spilman. 148,447, Jan. 20.
 Sound translating machine. R. Spilman and G. H. White. 148,446, Jan. 20.
 Spatula, spoon, and scraper, Combination. W. P. Ferris. 148,777, Feb. 24.
 Spectacle frame. A. Ditto. 151,221-2, Oct. 5.
 Spectacle frame or the like. R. L. Wells. 150,385, July 27.
 Spectacle frame or the like. R. L. Wells. 150,386-7, July 27.
 Spectacle front. J. E. Hansen. 149,870, June 8.

- Spectacles, Pair of. A. G. McNeill. 150,639, Aug. 17.
Spoon and bottle opener, Combined. B. C. Falling. 149,939, June 15.
Spoon and rattle, Combined. R. B. Grosvenor. 148,693, Feb. 17.
Spoon, Child's. R. S. Clafin. 151,739, Nov. 16.
Spoon or other article of flatware. E. J. Conroy. 149,253-5, Apr. 13.
Spoon or other article of flatware. E. J. Conroy. 151,741, Nov. 16.
Spoon or other article of flatware. A. A. Dabrowski. 149,258, Apr. 13.
Spoon or other article of flatware. I. A. Lipman. 149,428, Apr. 27.
Spoon or other article of flatware. H. A. Malinowski. 149,431, Apr. 27.
Spoon or other article of flatware. T. D. McKiernan. 149,432, Apr. 27.
Spoon or other article of flatware. W. S. Warren. 149,154-5, Mar. 30.
Spoon or similar article. G. N. Allen and M. P. Fleming. 150,486, Aug. 10.
Spoon or similar article. G. N. Allen and W. H. Gerth. 150,485, Aug. 10.
Spoon or similar article. G. N. Allen and W. H. Gerth. 150,487, Aug. 10.
Spoon or similar article. A. J. Eggleston. 151,744, Nov. 16.
Spoon or similar article. J. L. Hvale. 151,761, Nov. 16.
Spoon or similar article of flatware. M. Weeber. 150,480-1, Aug. 3.
Spoon or similar article of tableware. A. I. Meyer. 151,463, Oct. 19.
Spray attachment for a container, Atomizer. S. Gimelli. 151,618, Nov. 2.
Spray gun, Heat fusible material. H. S. Ingham. 150,953, Sept. 14.
Spray gun or the like. J. W. Baur and E. Gustafsson. 148,904, Mar. 9.
Sprayer. C. E. Meyerhoefer. 151,383, Oct. 12.
Spraying device or similar article, Paint. W. Johndrew. 151,450, Oct. 19.
Sprinkler, Lawn. F. C. Hubbard. 150,296, July 20.
Sprinkler, Lawn. C. L. Russell. 151,007, Sept. 14.
Sprinkler, Traveling lawn. B. J. Borgerson. 151,118, Sept. 28.
Sprinkler, Water. C. B. Kemp. 151,772, Nov. 16.
Squeezer for fruit and the like. W. R. Amstutz. 150,392, Aug. 3.
Squeezer, Fruit juice. F. N. Mariani. 150,308, July 20.
Stage, Portable theatrical. A. A. Ostrander and L. A. Kalech. 149,831, June 1.
Stamp, Trading. R. W. Stayton. 149,523, May 4.
Stamping machine, Hot. J. A. Stadler. 152,037, Dec. 7.
Stand and lamp, Combined reading. F. J. Luketa. 149,429, Apr. 27.
Stand and memorandum pad holder, Combined telephone. O. D. Goldman. 148,464, Jan. 27.
Stand and perfume bottles, Combined. L. Hollett. 150,138, July 6.
Stand, Calendar. B. Blecher. 148,972, Mar. 16.
Stand, Coffee maker. J. Cohen. 149,171, Apr. 6.
Stand, Coffee maker. H. Richards. 150,315, July 20.
Stand, Collapsible display and serving. R. Halpern. 149,488, May 4.
Stand, Confectionery display. F. L. Daggett. 149,860, June 8.
Stand, Display. N. Anitole. 149,727, May 25.
Stand, Display. H. B. Feist. 149,864, June 8.
Stand, Display. A. M. Travis. 148,736, Feb. 17.
Stand, electric heater and fan, Combined. J. T. Rausch and G. Towne. 151,189, Sept. 28.
Stand, Flower. F. F. Solak. 152,034, Dec. 7.
Stand, Flower. F. F. Solak. 152,224, Dec. 28.
Stand for a hand telephone set, Desk. W. A. Morrison and F. M. Thayer. 151,279, Oct. 5.
Stand for dental grinding disks or the like, Supply. B. B. Lowenstein. 149,574, May 11.
Stand, Fountain pen desk. E. J. Vogel. 148,737, Feb. 17.
Stand, Hosiery display. K. B. Lawrence. 150,239, July 13.
Stand, Iron. P. P. Wriede and H. Pike. 151,668, Nov. 2.
Stand, Ladder. E. F. Paulus. 148,385, Jan. 13.
Stand, Lamp. M. E. Miller. 152,014, Dec. 7.
Stand, Merchandise display. H. L. Carpenter. 149,471, May 4.
Stand or similar article, Display. L. B. Morrison. 151,781, Nov. 16.
Stand or similar article, Display. M. H. Newman. 149,205, Apr. 6.
Stand or similar article, Stenographers' notebook. M. Bleich and W. B. Axelrod. 148,455, Jan. 27.
Stand or the like, Smoker's. P. S. Harper. 151,236, Oct. 5.
Stand or the like, Smoking. H. T. Warner. 148,450, Jan. 20.
Stand, Pipe. B. Blecher. 149,401, Apr. 27.
Stand, Portable collapsible motion picture projection screen. H. E. Eller. 151,337, Oct. 12.
Stand, Refreshment. C. F. and A. R. Krueger. 151,457, Oct. 19.
Stand, Reservoir desk. G. J. Staab. 148,496, Jan. 27.
Stand, Roadside refreshment. F. S. Grover. 148,694, Feb. 17.
Stand, Sectional display. N. S. Irwin. 148,859, Mar. 2.
Stand, Smoking. O. Mankki. 150,147, July 6.
Stand, Telephone. G. A. Levis. 151,778, Nov. 16.
Standard, Chair end. W. H. Bond, Jr. 149,162, Apr. 6.
Staple driving machine. R. E. Peterson. 149,441, Apr. 27.
Staple removing tool, Wire. W. G. Pankonin. 151,857, Nov. 23.
Stapling device. R. E. Powers. 150,809, Aug. 31.
Stapling machine or similar article. H. S. Heller. 151,692, Nov. 9.
Statuette. C. F. Morse, Jr. 149,828, June 1.
Statuette or similar article, Display. G. Price. 152,215, Dec. 28.
Step. N. J. Harvey. 152,153, Dec. 21.
Stereoscopic instrument. C. E. Crandall. 150,211, July 13.
Stick, Jumping. A. E. Bausenbach. 148,515, Feb. 3.
Stickpin or similar article. G. S. Krajian. 150,627, Aug. 17.
Stirrer, Beverage. T. Harris. 148,537, Feb. 3.
Stirrer, Beverage. E. E. Holden. 149,499, May 4.
Stirring apparatus. M. J. Zimmer. 151,312-13, Oct. 5.
Stocking. B. F. Playford. 152,018, Dec. 7.
Stocking, Christmas. K. P. Donohue. 149,050, Mar. 23.
Stocking, Lady's. W. G. Bley. 151,732-3, Nov. 16.
Stoker. W. F. Manthel. 149,659, May 18.
Stool. W. L. Greyson. 149,349, Apr. 20.
Stool or similar article. E. V. and V. E. Price. 151,188, Sept. 28.
Stopper or similar article, Perfume bottle. J. Herbst. 149,268, Apr. 13.
Store or the like. H. Rubaloff. 149,775, May 25.
Stove. E. Esson. 150,341, July 27.
Stove, Cooking. D. P. O'Keefe. 149,372, Apr. 20.
Strap or similar article, Wrist watch. C. B. Greenberg. 150,010, June 22.
Steamer toy. D. M. Smith. 152,033, Dec. 7.
Stretcher, Shoe toe-cap. R. Pfifferling. 148,951, Mar. 9.
Strip for shoe soles, Binding. R. B. Harrison. 151,042, Sept. 21.
Stroller, Baby. E. Reinhold. 150,255, July 13.
Stroller or similar article. V. R. Trabucco. 150,476, Aug. 3.
Stroller, rocker, sled, and walker, Combination. C. V. Kenney. 148,706, Feb. 17.
Sucker, Candy. G. W. Carlson. 149,338, Apr. 20.
Suction nozzle. H. Stock. Re. 23,035, Aug. 31.
Sugaring machine, Doughnut. E. J. Roth. 149,681, May 18.
Suit. S. Cohen. 150,205-8, July 13.
Suit. S. Cohen. 150,934-5, Sept. 14.
Suit. S. Cohen. 151,430, Oct. 19.
Suit. S. Cohen. 151,506, Oct. 26.
Suit. J. Freedman. 151,811-12, Nov. 23.
Suit. J. Freedman. 151,880-1, Nov. 30.
Suit. H. Redman. 150,254, July 13.
Suit. G. Reiter. 151,191, Sept. 28.
Suit. B. Schultz. 151,194-5, Sept. 28.
Suit. J. F. Strassner. 151,016-18, Sept. 14.
Suit, Bathing. M. A. De Weese. 149,343, Apr. 20.
Suit or similar article. M. Sices. 148,334, Jan. 6.
Suit, Sun. R. Lee. 149,654, May 18.
Suit, Swimming. J. O. Gantner, Jr. 151,038, Sept. 21.
Suit, Two-piece swim. M. F. Laszlo. 150,238, July 13.
Sulky. A. B. White. 149,157, Mar. 30.
Sulky, Racing. R. A. Shuttelworth. 149,451, Apr. 27.
Sundial, Water compass. J. F. Carsow. 151,872, Nov. 30.
Sun dial, Wrist. J. H. Klaine. 150,072, June 29.
Sunglasses and scarf, Combined. G. Stangl. 150,474, Aug. 3.
Sun spectacles. R. L. Bright. 150,924, Sept. 14.
Support and seat, Combined article. H. B. Rhodes. 148,956, Mar. 9.
Support, Combined syringe bag and tube. R. O. Ferguson. 151,686, Nov. 9.
Support, Foot. J. R. Martin. 148,632, Feb. 10.
Support for a sadiron. M. A. Rollman. 152,024, Dec. 7.
Support for a soap tray or the like. F. A. Hlenski. 151,126, Sept. 28.
Support for an electrical heating element, Insulating. R. Cariff. 148,282, Jan. 6.
Support for lighting and camera means, Hand carried. A. L. Bensen. 150,051, June 29.
Support for phonographs, Stylus point. J. M. Dean. 148,524, Feb. 3.
Support for treating lenses, Handling. D. M. Mackenzie. 151,643, Nov. 2.
Support, Light fixture. E. G. Anderson. 150,820, Sept. 7.
Support, Pipette. D. Lane. 150,797, Aug. 31.
Support, Plant. H. Epstein. 149,053, Mar. 23.
Swatter, Fly. H. Jahn and C. S. Zaremba. 152,088, Dec. 14.
Sweater. B. A. Bryce. 152,057, Dec. 14.
Sweater. S. Levine. 151,776-7, Nov. 16.
Sweater. J. Rosenfeld. 149,303-7, Apr. 13.
Sweater. L. Singer. 149,978, June 15.
Sweater. F. M. Tittelman. 149,984-9, June 15.
Sweater. B. A. Wietmann and F. W. Robson. 149,851-2, June 1.
Sweater. B. A. Wiechmann and F. W. Robson. 150,182-4, July 6.
Sweater, Knitted. B. Sapin. 151,943, Nov. 30.

- Sweater or similar article. B. Ehrenreich. 151,745, Nov. 16.
- Sweater or similar article. M. W. Rosen. 152,025, Dec. 7.
- Swim suit. M. F. Laszlo. 150,992, Sept. 14.
- Swim suit, Two-piece. M. F. Laszlo. 150,991, Sept. 14.
- Swim support or similar article, Inflatable. B. Messing. 149,579, May 11.
- Swimming device. H. L. Messinger. 149,580, May 11.
- Swimming flipper. D. F. Eddy. 151,229, Oct. 5.
- Swing. H. Sebel. 148,333, Jan. 6.
- Swing, Child's. J. A. MacKay. 148,551, Feb. 3.
- Swing, Doll. C. R. Conger. 148,522, Feb. 3.
- Swing, Glider. C. H. Buck. 149,932, June 15.
- Switch and rheostat, Combined electric. R. R. Hutcheson. 148,469, Jan. 27.
- Switch, Electrical. C. L. Fordyce. 150,005, June 22.
- Switch escutcheon. J. D. McDonald. 151,907, Nov. 30.
- Switch, Floor. R. L. Stone and F. E. Runge. 148,589, Feb. 3.
- Switch, Hand lamp. W. R. Kopp. 149,951, June 15.
- Switch or similar article, Push-button. L. J. Kalwo. 150,576, Aug. 17.
- Switch plate, Illuminable. A. C. Karlstad. 148,302, Jan. 6.
- Switch plate, Wall. D. H. Glynn. 149,547, May 11.
- Switch volume control. H. N. Rowe. 148,485, Jan. 27.
- Switching device or similar article, Electrical. H. E. Metz. 151,911, Nov. 30.
- Table. A. J. Buckner. 150,547, Aug. 17.
- Table. A. J. Buckner. 151,586, Nov. 2.
- Table. J. B. Cunningham. 150,340, July 27.
- Table. C. Eames. 151,119, Sept. 28.
- Table. G. C. Little. 149,891, June 8.
- Table. S. Low. 151,780, Nov. 16.
- Table. J. L. Metz. 151,162, Sept. 28.
- Table. J. Mont. 150,155, July 6.
- Table. H. Rosengren. 149,377, Apr. 20.
- Table. C. W. Sundberg. 149,524-5, May 4.
- Table. R. A. Thornquist. 150,662, Aug. 17.
- Table and bookholder, Combined. M. L. Eckman. 151,336, Oct. 12.
- Table, Aquarium. L. A. Boulogny. 149,043, Mar. 23.
- Table, Aquarium. J. Thomas. 149,527, May 4.
- Tablecloth, Lace. H. Hooven. 148,355-7, Jan. 13.
- Tablecloth, Lace. H. Hooven. 148,624, Feb. 10.
- Tablecloth, Lace. F. P. Otto. 148,383, Jan. 13.
- Tablecloth, Lace. W. Wolf. 148,401, Jan. 13.
- Tablecloth or similar article. H. Furth. 149,544, May 11.
- Tablecloth or similar article. J. S. Madsen. 149,578, May 11.
- Tablecloth or similar article. J. S. Madsen. 149,894, June 8.
- Tablecloth or similar article. G. Sklar. 149,915, June 8.
- Tablecloth or similar article. G. Sklar. 150,165, July 6.
- Tablecloth or the like. W. P. Hudson. 148,358, Jan. 13.
- Table, Cocktail. W. Dziewit. 150,408, Aug. 3.
- Table, desk, or similar article. E. Westlake. 151,111, Sept. 21.
- Table, Dressing. A. J. Buckner. 151,590, Nov. 2.
- Table, Drop-leaf extension. C. E. Millsbaugh. 151,000, Sept. 14.
- Table, Folding tray. H. J. Dahm. 149,619, May 18.
- Table, Luncheon. D. H. Weinberg. 148,506, Jan. 27.
- Table, Marking. W. C. Cunningham. 150,757, Aug. 31.
- Table, Night. A. J. Buckner. 151,588, Nov. 2.
- Table, Occasional. L. and N. Appell. 151,578-9, Nov. 2.
- Table or similar article. E. J. Lux. 151,701, Nov. 9.
- Table, Provincial step. G. Alessandrini. 148,902, Mar. 9.
- Table, Racking. W. C. Cunningham. 150,679, Aug. 24.
- Table, Score. R. I. Anderson and B. Hoeker. 148,838, Mar. 2.
- Table, Sectional display. N. S. Irwin. 148,858, Mar. 2.
- Table top extension. W. D. Craig. 150,210, July 13.
- Table top, Game. J. Klotz. 152,160, Dec. 21.
- Table top, Game. M. M. Warner. 152,181, Dec. 21.
- Table top, Manicurist's. B. B. Gaitskill. 149,807, June 1.
- Table, X-ray. H. A. Newman. 150,510, Aug. 10.
- Tablet, Memorial. D. W. Sheeran and H. P. Mertel. 150,261, July 13.
- Tail light and end piece for motorcycle fenders, Combined. H. Firth. 151,122, Sept. 28.
- Tailpipe extension, Automobile. G. M. Goodwin. 149,122, Mar. 30.
- Tank or similar article, Transport. R. Bernstein. 150,399, Aug. 3.
- Tank vehicle. G. A. Brasfield. 151,960, Dec. 7.
- Tank vehicle. G. A. Brasfield. 152,055, Dec. 14.
- Tap, Hot line. S. P. Becker. 152,135, Dec. 21.
- Tape or similar article. J. V. Granitto. 151,982, Dec. 7.
- Target. B. Weaver. 150,180, July 6.
- Teakettle. H. E. Brannon. 148,348, Jan. 13.
- Teapot. R. J. Falk. 149,623, May 18.
- Teapot. L. F. McCarty. 149,962, June 15.
- Teapot or the like. E. S. Zeisel. 148,900, Mar. 2.
- Tea urn and stand, Combined. V. Hingelberg. 151,239, Oct. 5.
- Telegraph exchange system, Staellite. K. E. Flitch and C. W. Lucek. Re. 23,027, Aug. 17.
- Telegraph system, Printing. J. B. Moore and R. E. Mathes. Re. 23,028, Aug. 17.
- Telephone desk unit. C. E. Erickson. 151,121, Sept. 28.
- Telephone, Hand. H. Dreyfuss. 151,614, Nov. 2.
- Telephone hand set. H. K. Klemp, Jr. 152,162, Dec. 21.
- Telephone stand and pad holder, Combined. S. J. Beitch and S. Fine. 151,806, Nov. 23.
- Telephone support, ash tray, and amplifying loud speaker, Combined. J. D. Chirite. 149,339, Apr. 20.
- Telephone transmitter. H. Dreyfuss. 151,809, Nov. 23.
- Television lens and mounting means therefor, Combination. J. P. Hecht. 150,136, July 6.
- Temple for spectacles or similar article, Nonmetallic. J. E. Hansen. 149,634, May 18.
- Temple for spectacles or similar article, Nonmetallic. J. E. Hansen. 150,948, Sept. 14.
- Temple member for spectacles or similar articles. M. Schwartz. 149,312, Apr. 13.
- Templet, Drafting. R. I. Martin. 149,200, Apr. 6.
- Tenderizing machine, Meat. S. Bakewell. 150,395, Aug. 3.
- Test mount for miniature engines. E. P. Carr. 150,753, Aug. 31.
- Tester, Combined synchronizer and shutter. R. L. Pen-nock, Jr. 149,514, May 4.
- Textile fabric. E. M. Patterson. 151,705, Nov. 9.
- Textile fabric or similar article. S. A. Dix. 151,223-7, Oct. 5.
- Textile fabric or similar article. R. E. Minger. 149,827, June 1.
- Textile fabric or similar article. R. E. Minger. 150,310, July 20.
- Textile fabric or similar article. R. E. Minger. 152,115-16, Dec. 14.
- Textile fabric or similar article. R. E. Minger. 152,166, Dec. 21.
- Textile fabric or similar article of manufacture. A. K. Bartholomew. 149,537, May 11.
- Theatre. C. G. Moeller. 149,291, Apr. 13.
- Theatre. A. R. Walker. 149,324, Apr. 13.
- Therapy apparatus, Oxygen. A. H. St. Louis. 151,286, Oct. 5.
- Thermometer. B. Blecher. 151,027, Sept. 21.
- Thermostat cover. J. G. Eldridge. 152,146, Dec. 21.
- Thimble, Finger-shaped. C. M. Howser. 150,696, Aug. 24.
- 3,3-Bis (4-dimethylaminophenyl)-6-dimethylaminophthalide. C. S. Adams. Re. 23,024, Aug. 17.
- Tie clasp. C. W. Cole. 151,874, Nov. 30.
- Tie-rack. T. J. Ragland. 151,402, Oct. 12.
- Tile, Ceramic table. H. G. Blakeslee. 148,454, Jan. 27.
- Tip for a mechanical pencil. L. J. Most. 152,206, Dec. 28.
- Tire. W. F. Billingsley. 149,042, Mar. 23.
- Tire. W. L. Cavin. 150,754, Aug. 31.
- Tire. W. E. Hardeman and S. C. Parker. 150,416, Aug. 3.
- Tire. W. E. Hardeman and S. C. Parker. 151,886, Nov. 30.
- Tire. L. J. Lambourn and F. B. Jones. 150,432, Aug. 3.
- Tire gauge and key holder, Combined. J. C. Crowley. 152,065-6, Dec. 14.
- Tire, Vehicle. W. F. Hoelzer. 149,498, May 4.
- Tire, Vehicle. A. H. Nellen. 149,662-3, May 18.
- Toaster. F. Anderson. 149,604, May 18.
- Toaster. D. E. Dalley. 149,937, June 15.
- Toaster. L. Guild. 149,350, Apr. 20.
- Toaster. L. Guild. 150,134, July 6.
- Toaster. C. Karstadt. 149,127, Mar. 30.
- Toaster. P. Yaeger. 151,113, Sept. 21.
- Toaster, Electric. H. L. Layton. 148,936, Mar. 9.
- Toilet paper holder and tray, Combined. R. S. Sanders. 150,372, July 27.
- Toilet seat, Child's foldable. L. C. Neufeld. 149,204, Apr. 6.
- Toilet tissue, cabinet, and utility holder, Combination hanging corner. J. Zwart. 152,052, Dec. 7.
- Tone arm. L. J. Andres. 152,133, Dec. 21.
- Tone arm, Phonograph. C. A. Gelb. 151,630, Nov. 2.
- Tong, Steak. A. D. Warner. 149,920, June 8.
- Tongs, Food. C. Duncan. 148,919, Mar. 9.
- Tongs or similar article, Pulpwood. M. M. McElderry. 151,908, Nov. 30.
- Tool, Combination. W. F. McDowell. 150,435, Aug. 3.
- Tool, Combination. M. C. Nell. 150,156, July 6.
- Tool, Combination. L. Rice. 148,957, Mar. 9.
- Tool for opening bottles, jars, and the like. A. V. Johansen. 149,645, May 18.
- Tool, Mortar and cement finishing. T. T. King. 150,715, Aug. 24.
- Tool, Pry-off type container cap removing. L. P. Fret-toloso. 151,973, Dec. 7.
- Tool, Roller box. W. E. Twamley. 149,596, May 11.
- Tool, Scribing. R. A. Hutchinson. 150,297, July 20.
- Tool, Soldering. R. W. Hyde. 149,815, June 1.
- Tool, Tire chain. E. L. Gile. 150,222, July 13.
- Toothbrush. K. Harris and O. A. May. 151,237, Oct. 5.
- Toothbrush and receptacle therefor, Combined folding. T. R. Stacey. 150,520, Aug. 10.
- Toothbrush display stand. A. H. Meyer. 149,660, May 18.
- Toothbrush holder. L. D. Greenawald. 150,133, July 6.
- Toothbrush, Rotary. H. W. Darr. 149,620, May 18.
- Top, back guard panel, timer and utility compartment for a cooking range, Combined. L. F. Covey. 152,139, Dec. 21.
- Top, Percolator. R. F. Krause. 149,192, Apr. 6.
- Top, Table. D. H. Dickerman and F. H. Coburn. 148,916, Mar. 9.

- Towel and soap cabinet, Violet ray. M. A. Michaels. 149,081, Mar. 23.
- Toy aircraft or similar article. W. K. Crowder. 151,432, Oct. 19.
- Toy aircraft or the like. H. Struck. 149,705, May 18.
- Toy airplane. R. B. Atkins. 148,670, Feb. 17.
- Toy airplane. J. J. Miller. 150,023, June 22.
- Toy, Airplane. T. A. Schaad. 149,308, Apr. 13.
- Toy, Airplane control. C. H. Foster. 151,688, Nov. 9.
- Toy animal figure. R. B. Grosvenor. 149,550, May 11.
- Toy animal figure. A. von Erdberg. 151,801, Nov. 16.
- Toy animal figure or similar article. C. R. White. 149,531, May 4.
- Toy animal figure or the like. T. C. Martin. 150,020, June 22.
- Toy animal or similar article, Stuffed. J. Swedlin. 149,390, Apr. 20.
- Toy animal, Stuffed. M. Shrier. 149,913, June 8.
- Toy animal, Wheeled. H. Sebel. 148,821, Feb. 24.
- Toy autogiro. H. F. Schmidt. 150,465, Aug. 3.
- Toy automobile. A. Cristell. 149,936, June 15.
- Toy automobile. W. E. Hoffmann. 152,154, Dec. 21.
- Toy automobile sedan. O. F. Larsen, Jr. 149,365, Apr. 20.
- Toy, Balancing. H. F. Bandt. 149,854, June 8.
- Toy bank or similar article. J. P. Mickus. 149,370, Apr. 20.
- Toy barrow. P. F. Lewis. 150,637, Aug. 17.
- Toy bathtub. E. J. Lux. 149,893, June 8.
- Toy box. B. J. Greenbaum. 149,940, June 15.
- Toy, Child's seating and moving airplane. C. J. Van Valkenburgh. 149,710, May 18.
- Toy clown. G. Lehmann. 151,635, Nov. 2.
- Toy construction piece. C. A. Geib. 149,346-7, Apr. 20.
- Toy, Figure. S. L. Beder. 149,041, Mar. 23.
- Toy figure. K. R. Eames. 151,434, Oct. 19.
- Toy figure. M. Glass. 152,150, Dec. 21.
- Toy figure. H. A. Nozewski. 149,010, Mar. 16.
- Toy, Flying model helicopter. W. K. Crowder. 148,768, Feb. 24.
- Toy food mixer. C. H. Muller. 148,941, Mar. 9.
- Toy glider. R. E. Johnson. 148,421, Jan. 20.
- Toy glider or the like. H. Struck. 148,848, June 1.
- Toy hand car. L. H. Dierking. 150,064, June 29.
- Toy helicopter. E. W. Baggott. 149,787, June 1.
- Toy, Helicopter. T. Fhagen. 149,803, June 1.
- Toy helicopter. M. Fleishman. 149,865, June 8.
- Toy horse and chariot, Wheeled. H. Sebel. 150,468, Aug. 3.
- Toy house. S. Chin. 150,493, Aug. 10.
- Toy jack-in-the-box. W. Smith. 151,292, Oct. 5.
- Toy jack-in-the-box or similar article. C. R. White. 151,723, Nov. 9.
- Toy mangle. W. Kasten and A. E. Mason. 148,303, Jan. 6.
- Toy, Mechanical. S. I. Berger. 149,928, June 15.
- Toy, Mechanical. S. I. Berger. 151,318, Oct. 12.
- Toy, Noisemaking airplane. J. Guariglia. 150,011, June 22.
- Toy or similar article, Musical. J. Green. 151,445, Oct. 19.
- Toy or similar article, Ring. A. D. Phelps, Jr. 148,952, Mar. 9.
- Toy or similar article, Trundle. B. Katz. 149,129, Mar. 30.
- Toy or the like, Roly-poly. T. C. Martin. 150,019, June 22.
- Toy, Overhead whirling. P. Di Lemme. 149,542, May 11.
- Toy, Panel. R. C. Bockus. 150,489, Aug. 10.
- Toy pistol. J. P. Robinson. 148,647, Feb. 10.
- Toy, Pop. F. Passio. 150,441, Aug. 3.
- Toy, Pull. A. H. Scheinman. 148,331, Jan. 6.
- Toy rattle hammer. J. Sheeman. 149,699, May 18.
- Toy rattle or similar article. J. Colm. 151,599-600, Nov. 2.
- Toy roadster. O. F. Larsen, Jr. 149,366, Apr. 20.
- Toy, Rocking animal figure. J. N. Schauenberg. 148,724, Feb. 17.
- Toy sink, water dispenser, and receiver, Combined. H. Barr. 152,185, Dec. 28.
- Toy snail, Wheeled. H. Sebel. 150,467, Aug. 3.
- Toy, Spinning bird's wing. H. B. Hanes. 148,698, Feb. 17.
- Toy stationary engine. R. R. Zimmer and H. L. Snively. 150,484, Aug. 3.
- Toy tortoise, Wheeled. H. Sebel. 149,383, Apr. 20.
- Toy transit. E. M. Knudsen and A. R. Maier. 149,886, June 8.
- Toy, Tumble head. E. S. K. Fung. 150,006, June 22.
- Toy typewriter. S. I. Berger. 148,745, Feb. 24.
- Toy vanity. E. J. Lux. 149,198, Apr. 8.
- Toy, Walking figure. S. Capillo. 149,165, Apr. 6.
- Toy wheeled barge. L. M. J. Foulke. 151,879, Nov. 30.
- Toy, Wheeled pull. O. F. Larsen, Jr. 149,072, Mar. 23.
- Toy whistle. R. Y. Grant, Jr. 150,293, July 20.
- Tractor. M. T. Hedquist and J. Haley. 148,299, Jan. 6.
- Tractor, Garden. Ed. B. Meripol. 151,703, Nov. 9.
- Traffic signal or similar article. P. R. Russell. 152,171, Dec. 21.
- Trailer. F. J. Arisman. 149,786, June 1.
- Trailer. J. E. Boldt. 148,749, Feb. 24.
- Trailer. W. M. Dawson. 150,680, Aug. 24.
- Trailer. F. C. Hoffman. 148,300, Jan. 6.
- Trailer. W. Josephian. 151,349, Oct. 12.
- Trailer. R. F. Kuns. 148,935, Mar. 9.
- Trailer. G. R. Schutes. 148,820, Feb. 24.
- Trailer, Automobile. W. C. Smith. 149,702, May 18.
- Trailer, Dump. E. Gaboury. 149,806, June 1.
- Trailer, House. F. C. Hoffman. 148,701, Feb. 17.
- Trailer, One-wheel. M. J. Rasbach. 148,327, Jan. 6.
- Trailer, Two-wheel. O. W. Inskeep. 151,240, Oct. 5.
- Trailer, Vehicle. W. B. MacDonald, Jr. 148,807-8; Feb. 24.
- Trailer, Vehicle. W. B. MacDonald, Jr. 151,642, Nov. 2.
- Trailer, Vehicle. W. T. Stopa. 149,981, June 15.
- Trainer or similar device, Flight engineer's. J. G. Dodds, A. D. MacKillop, and C. C. Sansom. 149,405, Apr. 27.
- Training device, Aeronautical. G. Laughead. 148,800, Feb. 24.
- Transformer. W. K. Dickinson. 150,214, July 13.
- Transport airplane. V. J. Burnelli. 150,926, Sept. 14.
- Trap, Animal. A. C. Haggstrom. 151,691, Nov. 9.
- Trap, Animal. G. Sakier. 150,463, Aug. 3.
- Tray. F. H. Berlin, Jr. 150,747, Aug. 31.
- Tray. J. S. Connors. 151,328, Oct. 12.
- Tray. G. Wortman. 149,326, Apr. 13.
- Tray and coaster combination. Ash. E. R. Peterson. 148,718, Feb. 17.
- Tray, Ash. N. F. Caputo. 149,337, Apr. 20.
- Tray, Ash. L. Grey. 149,265, Apr. 13.
- Tray, Ash. B. J. Potter. 149,143, Mar. 30.
- Tray, Cosmetic. E. M. Malco. 148,374, Jan. 13.
- Tray, Cracker. J. W. Verduyn and L. M. Mason. 151,108, Sept. 21.
- Tray, Display. N. E. Olin. 148,947, Mar. 9.
- Tray for desk articles. G. G. Greger. 151,343, Oct. 12.
- Tray for glasses or the like, Serving. W. C. Panzer. 148,883, Mar. 2.
- Tray, Grooming. B. J. Barnett. 149,105, Mar. 30.
- Tray, Hostess. D. Blumenthal and H. L. Seiden. 149,046, Mar. 23.
- Tray or similar article. S. Guzman and H. Rappaport. 150,693, Aug. 24.
- Tray or similar article, Photographic film and print. T. G. Nevell and F. Samet. 148,944, Mar. 9.
- Tray or similar article, Sandwich. L. Sonn. 149,317, Apr. 13.
- Tray or similar article, Serving. I. C. Crimmins. 150,058, June 29.
- Tray, Serving. C. J. Jacobsen. 148,419, Jan. 20.
- Tray, Serving. V. Sherry, H. A. and G. F. Plocky. 151,079, Sept. 21.
- Tray, Toilet. Z. E. Marvin, Jr. 151,060, Sept. 21.
- Tricycle. F. A. Cerasoli. 150,755, Aug. 31.
- Tricycle. R. Kartarik. 149,502, May 4.
- Tricycle. R. R. Taylor. 150,817, Aug. 31.
- Tricycle. E. A. Totz. 150,818, Aug. 31.
- Tricycle and trailer, Combined. R. E. Parker. 149,012, Mar. 16.
- Tricycle and wagon, Combined. R. O. Jackson. 149,413, Apr. 27.
- Trim for a stove, Splash back. B. N. Trombley. 152,178, Dec. 21.
- Trim or similar article, Wheel. G. A. Lyon. 149,575, May 11.
- Trimming, Embroidered. H. Kaufman. 149,271, Apr. 13.
- Trimming, Embroidered. D. L. Feister. 149,669, May 18.
- Trimming or similar article, Embroidered. A. E. Riedel. 149,219-27, Apr. 6.
- Trimming or similar article, Embroidered. H. Tobler. 149,235, Apr. 6.
- Tripod. W. S. Kinnard. 150,504, Aug. 10.
- Tripod for photographic purposes. G. C. Kammermeyer. 149,878, June 8.
- Tripod head or similar article, Camera. J. F. Fishter. 148,778, Feb. 24.
- Truck, Hand tank. R. H. Barrett. 150,536, Aug. 17.
- Truck, Lift. E. A. Wagner. 152,180, Dec. 21.
- Truck or similar article, Hand. F. E. Gaines. 148,532, Feb. 3.
- Truing machine, Brake drum. G. E. Klassett. 148,797, Feb. 24.
- Trunks, Swimming. M. F. Laszlo. 150,237, July 13.
- Tub filler with transfer unit for diverting water to shower. A. L. Thomssen. 151,199, Sept. 28.
- Tub or similar article, Single drain. T. R. Smith. 149,701, May 18.
- Tube socket, Vacuum. C. J. Adams and H. Z. Benton. 151,670, Nov. 9.
- Turn signal, extremity marker, and rearview mirror, Combined. T. L. Dalton. 152,188, Dec. 28.
- Turner or similar article, Pancake. R. H. Wendt. 151,666, Nov. 2.
- Typewriter. T. G. Clement. 149,796, June 1.
- Typewriter and desk support therefor, Combined. F. S. Grover. 148,986-7, Mar. 16.
- Typewriter and support therefor, Combined. F. S. Grover and K. D. Maier. 148,985, Mar. 16.
- Typewriter or the like. J. C. Veltman and W. O. Michelsen. 150,041, June 22.
- Umbrella. C. M. Preaus. 151,655, Nov. 2.
- Urn or similar article, Funeral. T. H. Jones. 150,232-3, July 13.
- Vacuum cleaner. H. S. Barnhart. 152,182, Dec. 28.
- Vacuum cleaner attachment. J. G. Lippincott. 149,368, Apr. 20.
- Valve, Gas. J. M. Haldane. 148,787, Feb. 24.

- Valve, Shut-off. L. Jaros. 149,818, June 1.
 Vanity. C. A. Thomson. 150,739, Aug. 24.
 Vase. G. A. Sparks and A. C. Cunningham. 151,793-4, Nov. 16.
 Vase or article of similar nature, Wall. C. Potts. 149,144, Mar. 30.
 Vase or similar article, Ceramic. A. L. Suman. 151,476, Oct. 19.
 Vase, Wall. B. W. Corwin. 148,408, Jan. 20.
 Vegetable masher. D. H. Bergstedt. 150,545, Aug. 17.
 Vehicle. R. C. Wallace. 150,101, June 29.
 Vehicle body. J. W. Greig. 150,567, Aug. 17.
 Vehicle cab, Motor power. E. Rossner. 151,006, Sept. 14.
 Vehicle, Child's. G. Gruenberger. 149,552, May 11.
 Vehicle for children, Double seated. J. L. Baker. 150,106, July 6.
 Vehicle, Motor. C. Douglas. 148,680, Feb. 17.
 Vehicle, Motor. G. Miller and M. Sinderman. 150,999, Sept. 14.
 Vehicle, Motor. J. Rose. 149,445, Apr. 27.
 Vehicle or similar article, Wheeled. E. Larralde. 149,193-4, Apr. 6.
 Vehicle, Sail propelled wheeled. L. D. Ely, Jr., and J. M. Ely. 149,543, May 11.
 Vehicle toy. L. A. Wise. 151,112, Sept. 21.
 Vehicle, Trailer. R. H. Barrett. 149,397, Apr. 27.
 Vehicle, Trailer. G. J. Harman. 151,235, Oct. 5.
 Velocipede. W. M. Bashaw and W. O. Dixon. 149,243-4, Apr. 13.
 Vending machine, Candy. W. E. Moore. 151,063, Sept. 21.
 Vending machine, Cigarette. W. E. Moore. 151,064, Sept. 21.
 Vending machine, Confection. G. Babcock. 151,952-3, Dec. 7.
 Vending machine, Drink. W. J. During and J. J. Punke. 152,145, Dec. 21.
 Ventilating unit. J. B. Koch. 150,366, July 27.
 Ventilator, Kitchen stove. W. A. Pledger. 149,771, May 25.
 Ventilator, Window. W. Siebels. 150,661, Aug. 17.
 Ventilator, Window. V. E. Sprouse. 150,472, Aug. 3.
 Viewer, Photographic. L. Frankel. 150,290, July 20.
 Viewer, Picture. G. M. Mast. 152,202, Dec. 28.
 Viewer, Slide. P. H. Halbriter. 149,554, May 11.
 Viewer, Slide. P. H. Halbriter. 151,447, Oct. 19.
 Viewer, Stereoptican. B. S. Davis. 149,861, June 8.
 Viewer, Twin vision transparence. R. P. Fuller. 152,195, Dec. 28.
 Vise and clamp, Parallel. D. Wright. 152,131, Dec. 14.
 Vise, Bench. B. Uydess. 151,302, Oct. 5.
 Vise, Miniature. W. G. Bihler. 148,275, Jan. 6.
 Visor or similar article, Automotive. C. A. Baratelli. 148,742, Feb. 24.
 Visor or similar article, Automotive. C. A. Baratelli, T. W. F. Chin, and H. A. Marsh. 149,104, Mar. 30.
 Waffle. K. E. Bemis. 148,602, Feb. 10.
 Wagon, Automobile station. D. G. Roos. 148,579, Feb. 3.
 Walker and stroller for children, Combination twin. J. R. Vibber. 152,045, Dec. 7.
 Walker or like article. G. I. Marcus. 148,552, Feb. 3.
 Walking stick. E. R. Ethington. 151,746, Nov. 16.
 Wallpaper. B. B. Wilson. 151,482, Oct. 19.
 Wallpaper border or similar article. A. Westrate. 148,898, Mar. 2.
 Wallpaper or the like. W. Burton. 151,592-5, Nov. 2.
 Wallpaper or the like. W. Burton and D. W. Liebes. 149,734-8, May 25.
 Wall plaque. P. T. Gordon. 150,130, July 6.
 Washboard, Hand. J. O. Reinecke. 149,971, June 15.
 Washing device or similar article. J. D. Berry. 152,136, Dec. 21.
 Washing machine. L. H. Haase. 148,696, Feb. 17.
 Washing machine or similar article. P. E. Geldhof. 149,119, Mar. 30.
 Washing machine or similar article. T. R. Smith. 150,471, Aug. 3.
 Washing machine, Portable. J. G. Hurley. 150,014, June 22.
 Watch and strap therefor, Combined wrist. G. B. Desouches. 152,189, Dec. 28.
 Watch band. P. E. Babin. 148,671, Feb. 17.
 Watch case and band, Combined. R. A. Barré. 149,040, Mar. 23.
 Watch case and wrist band, Combined. R. A. Barré. 149,039, Mar. 23.
 Watch dial. G. H. Adamson. 151,204, Oct. 5.
 Watch or similar article, Wrist. C. Arpels. 150,284, July 20.
 Watch or similar article, Wrist. C. Arpels. 150,285, July 20.
 Watch standard. R. W. Johnston and J. C. Roberts. 148,993, Mar. 16.
 Watch, Sun. J. E. Johanson and F. O. Boyd. 150,298, July 20.
 Water closet. L. B. Berg. 150,397, Aug. 3.
 Water correction device, Electrolytic. T. C. Jones. 151,243, Oct. 5.
 Water craft. E. Melton. 151,382, Oct. 12.
 Weighing and measuring device, Combined. H. I. Mandolf and J. B. Morrow. 150,146, July 6.
 Welder. A. U. Welch, Jr. 152,049, Dec. 7.
 Welder, Electric. E. A. Hobart and R. T. Flora. 150,358, July 27.
 Welding transformer. J. A. Kern. 149,364, Apr. 20.
 Wheelbarrow. G. C. Berker. 148,747, Feb. 24.
 Wheelbarrow. J. A. Cravero and A. S. Milligan. 148,287, Jan. 6.
 Wheelbarrow. L. H. Ryder. 152,172, Dec. 21.
 Wheel, Steering. J. Rose. 149,444, Apr. 27.
 Whirligig. P. Karakash. 149,947, June 15.
 Whirling toy. J. Merrico. 152,165, Dec. 21.
 Whirling toy. D. M. Smith. 152,032, Dec. 7.
 Winch, Power. J. C. Curtis. 152,067, Dec. 14.
 Wire recorder. C. B. Dale. 149,541, May 11.
 Wire supporting arm for fences, Barbed. W. A. Webster. 150,526, Aug. 10.
 Wrench. F. J. Carnelli. 150,677, Aug. 24.
 Wrench. A. O. Elmes. 149,052, Mar. 23.
 Wrench. F. Herman. 148,621, Feb. 10.
 Wrench, Momentum. R. L. Stoyer. 151,860, Nov. 23.
 Wrench or the like, Dual. F. E. Nettleton. 150,314, July 20.
 Wrench, Plier. J. T. Cobb. 149,934, June 15.
 Wrist watch and stem guard, Combined. J. A. Tuffo. 151,301, Oct. 5.
 Wrist watch and strap therefor, Combined. C. Arpels. 150,048-9, June 29.
 Writing instrument. I. Shupack. 152,030, Dec. 7.
 Writing instrument. A. S. Weston. 149,922, June 8.
 Xylophone. E. H. Gruber. 148,856, Mar. 2.

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| Apple tree. M. La Pietra. 801, July 6. | Raspberry plant. L. M. Toms. 779, Jan. 13. |
| Apple tree. R. S. Rogers. 794, Mar. 23. | Rose plant. E. S. Boerner. 789, Mar. 16. |
| Apricot tree. M. E. Francisco. 808, Oct. 12. | Rose plant. E. S. Boerner. 799-800, July 6. |
| Avocado tree. C. H. Hamburg. 816, Dec. 28. | Rose plant. E. S. Boerner. 811, Nov. 30. |
| Buddleia plant. P. J. Schmidt. 786, Mar. 2. | Rose plant. E. S. Boerner. 812, Nov. 30. |
| Chrysanthemum plant. E. Prushek. 790, Mar. 16. | Rose plant. R. L. Byrum. 809, Oct. 26. |
| Chrysanthemum plant. E. Prushek. 802, July 6. | Rose plant. J. E. Crane. 783, Feb. 3. |
| Climbing rose plant. E. E. Marsh. 797, May 4. | Rose plant. M. Dénoyel. 781, Jan. 20. |
| English or Persian walnut tree. W. A. Benton and G. L. Smith. 815, Dec. 14. | Rose plant. N. Grillo. 778, Jan. 6. |
| Grapevine. C. A. Sanderson. 782, Jan. 20. | Rose plant. W. E. Johnson. 777, Jan. 6. |
| Ivy plant. J. Bach. 807, Sept. 21. | Rose plant. C. Ketten. 774, Jan. 6. |
| Japanese holly plant. J. F. Styer. 817, Dec. 28. | Rose plant. C. Mallerin. 775, Jan. 6. |
| Nectarine plant. H. C. Swim. 787, Mar. 9. | Rose plant. P. Mordigan. 806, Sept. 21. |
| Peach tree. O. F. and W. C. Jones. 814, Dec. 14. | Rose plant. T. J. Morris. 785, Feb. 24. |
| Peach tree. L. Satterfield. 813, Dec. 7. | Rose plant. H. C. Swim. 791, Mar. 16. |
| Peach tree. H. F. Smith. 803, July 27. | Rose plant. H. C. Swim. 792, Mar. 16. |
| Peach tree. R. L. Stoner. 798, May 11. | Rose plant. L. A. Tuttle. 810, Nov. 2. |
| Peach tree. F. D. Williams. 795, Mar. 23. | Rose plant. J. H. Van Barneveld. 788, Mar. 9. |
| Peony variety. L. S. Hopkins. 804, July 27. | Rose plant. A. F. Watkins. 784, Feb. 10. |
| Plant, Carnation. H. J. Symonds. 805, Aug. 24. | Sansevieria plant. G. E. Bantel. 796, Apr. 20. |
| Plum tree. D. R. Kellogg. 793, Mar. 23. | Strawberry plant. M. J. Johnson. 780, Jan. 20. |
| | Viburnum hybrid plant. A. Burkwood. 776, Jan. 6. |

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LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

- Abrasive, Synthetic resin bonded. Gaetano F. D'Alelio. (Two cases.) No. 2,403,213; date of patent July 2, 1946; disclaimers filed Dec. 10, 1947 and Jan. 23, 1948; v. 606; p. 202 and v. 608; p. 11.
- Apparatus for making cinnamon rolls or the like. Martin E. Fonken. Re. No. 22,399; date of patent Dec. 7, 1943; disclaimer filed Oct. 16, 1948; v. 616; p. 566.
- Automatic transmission. Carl W. Osborne. No. 2,328,291; date of patent Aug. 31, 1943; disclaimer filed Nov. 4, 1948; v. 617; p. 296.
- Automotive vehicle heating apparatus. Edward Levy Mayo. No. 2,322,041; date of patent June 15, 1943; disclaimer filed May 26, 1948; v. 613; p. 502.
- Bacterial inoculant for leguminous plants. Varley S. Bond. No. 2,200,532; date of patent May 14, 1940; disclaimer filed July 27, 1948; v. 613; p. 1093.
- Bis sulphonamides of naphthol sulphonyl chlorides with aromatic diamines. Andrew B. Jennings. No. 2,395,484; date of patent Feb. 26, 1946; disclaimer filed Dec. 30, 1947; v. 606; p. 527.
- Cabinet rack. Gregory L. Rees. No. 2,168,172; date of patent Aug. 1, 1939; disclaimer filed Sept. 25, 1948; v. 615; p. 810.
- Calculating machine. Robert L. Muller. No. 2,288,916; date of patent July 7, 1942; disclaimer filed June 12, 1948; v. 612; p. 14.
- Catalytic reactions, Process for effecting. John D. Upham. No. 2,374,511; date of patent Apr. 24, 1945; disclaimer filed Apr. 26, 1948; v. 610; p. 774.
- Circuit breaker. William H. Frank and Joseph A. Messing. No. 2,285,770; date of patent June 9, 1942; disclaimer filed Jan. 15, 1948; v. 607; p. 376.
- Combustion chamber in cylinder heads of internal combustion engines. Jean A. H. Barkeij. No. 2,145,577; date of patent Jan. 31, 1939; disclaimer filed Jan. 26, 1948; v. 609; p. 474.
- Combustion chamber in cylinder heads of internal combustion engines. Jean A. H. Barkeij. No. 2,191,746; date of patent Feb. 27, 1940; disclaimer filed Feb. 26, 1948; v. 609; p. 474.
- Communication system. Alfred C. Schroeder. No. 2,406,165; date of patent Aug. 20, 1946; disclaimer filed Oct. 29, 1948; v. 671; p. 8.
- Controllable pitch change mechanism for dual rotation propellers. Howard M. McCoy. No. 2,389,161; date of patent Nov. 20, 1945; disclaimer filed July 12, 1948; v. 613; p. 253.
- Copper fungicides and process of producing same. Alexander A. Nikitin. (Two cases.) Nos. 2,414,660 and 2,414,661; date of patents Jan. 21, 1947; disclaimers filed Mar. 29, 1948; v. 610; p. 17.
- Counter. George Wintritz. No. 2,167,259; date of patent July 25, 1939; disclaimer filed Dec. 5, 1947; v. 606; p. 9.
- Coupling between resonators and electron streams. Warren P. Mason. No. 2,379,818; date of patent July 3, 1945; disclaimer filed Sept. 8, 1948; v. 615; p. 265.
- Covering for floors. Robert V. Garner. No. 2,432,987; date of patent Dec. 23, 1947; disclaimer filed Nov. 10, 1948; v. 617; p. 296.
- Crankshaft. Malcolm G. Shoemaker. No. 2,325,804; date of patent Aug. 3, 1943; disclaimer filed June 12, 1948; v. 613; p. 502.
- Defrosting device. Harry H. McAdam. No. 2,219,393; date of patent Oct. 29, 1940; disclaimer filed Aug. 14, 1948; v. 614; p. 29.
- Directional apparatus. Joseph Lyman and Elwood Norden. No. 2,346,693; date of patent Apr. 18, 1944; disclaimer filed Dec. 9, 1947; v. 606; p. 202.
- Domestic appliance. Donald K. Ferris. No. 2,406,494; date of patent Aug. 27, 1946; disclaimer filed Sept. 29, 1948; v. 616; p. 291.
- Drawing press. Mechanical. William Klocke. No. 2,404,181; date of patent July 16, 1946; disclaimer filed Feb. 17, 1948; v. 608; p. 649.
- Dried milk powder. Process for producing. Paul F. Sharp. No. 2,412,635; date of patent Dec. 17, 1946; disclaimer filed July 14, 1948; v. 613; p. 503.
- Dye intermediate. Leslie G. S. Brooker and Homer W. J. Cressman. No. 2,317,357; date of patent Apr. 27, 1943; disclaimer filed Jan. 17, 1948; v. 607; p. 582.
- Dye intermediate. Leslie G. S. Brooker and William Waldo Williams. No. 2,330,203; date of patent Sept. 28, 1943; disclaimer filed Jan. 17, 1948; v. 607; p. 582.
- Dynamometer type electrical measuring instrument. Virgil L. Weaver. No. 2,419,100; date of patent Apr. 15, 1947; disclaimer filed June 24, 1948; v. 613; p. 253.
- Electric generator. Kenneth A. Harmon. No. 2,101,392; date of patent Dec. 7, 1937; disclaimer filed Apr. 22, 1948; v. 610; p. 503.
- Electrical distribution system. William H. Frank and Joseph W. Harper. No. 2,251,404; date of patent Aug. 5, 1941; disclaimer filed Jan. 15, 1948; v. 607; p. 376.
- Electron beam amplifier. Arthur L. Samuel. No. 2,405,611; date of patent Aug. 13, 1946; disclaimer filed Feb. 21, 1948; v. 608; p. 831.
- Electron beam device. Arthur L. Samuel. No. 2,403,025; date of patent July 2, 1946; disclaimer filed Sept. 24, 1948; v. 615; p. 810.
- Electron discharge device. Andrew V. Haeff. No. 2,398,499; date of patent Apr. 16, 1946; disclaimer filed Mar. 9, 1948; v. 609; p. 13.
- Electron discharge device. Andrew V. Haeff. No. 2,399,223; date of patent Apr. 30, 1946; disclaimer filed Mar. 9, 1948; v. 609; p. 13.
- Electronic switch. William A. Miller. No. 2,402,917; date of patent June 25, 1946; disclaimer filed June 2, 1948; v. 613; p. 20.
- Expandible wheel. Anton Vonnegut. No. 2,410,536; date of patent Nov. 5, 1946; disclaimer filed Oct. 11, 1948; v. 616; p. 291.
- Fasteners, Manufacture of slide. George Wintritz. No. 2,302,084; date of patent Nov. 17, 1942; disclaimer filed Dec. 5, 1947; v. 608; p. 9.
- Fastening device. Ougjesa Jules Poupitch. No. 2,401,184; date of patent May 28, 1946; disclaimer filed Feb. 28, 1948; v. 608; p. 831.
- Fibrous materials and products so produced, Process for treating. Leonard Smidth. No. 2,376,200; date of patent May 15, 1945; disclaimer filed Aug. 20, 1948; v. 614; p. 301.
- Fluid reaction apparatus. Walter L. Upson. No. 2,072,322; date of patent Mar. 2, 1937; disclaimer filed Feb. 5, 1948; v. 608; p. 11.
- Fluid reaction device. Walter L. Upson. No. 2,021,707; date of patent Nov. 19, 1935; disclaimer filed Feb. 5, 1948; v. 608; p. 11.
- Food product. Gustavus J. Esselen. Re. No. 22,978; date of patent Mar. 2, 1948; disclaimer filed Apr. 6, 1948; v. 610; p. 270.
- Fountain pen. Emmett Healy. No. 2,404,063; date of patent July 16, 1946; disclaimer filed Dec. 30, 1947; v. 607; p. 21.
- Fuel, High antiknock, Production of. Gordon B. Zimmerman. No. 2,404,340; date of patent July 16, 1946; disclaimer filed Apr. 12, 1948; v. 610; p. 270.
- Gas dispensing device. Harold L. Norway. No. 2,400,569; date of patent May 21, 1946; disclaimer filed Dec. 11, 1947; v. 606; p. 9.
- Ground track tracer and landing recorder. Elwood Norden. No. 332,523; date of patent Oct. 26, 1943; disclaimer filed Mar. 18, 1948; v. 609; p. 474.
- Growing plants, Defoliating. Robert E. Torley. No. 2,368,601; date of patent Jan. 30, 1945; disclaimer filed June 1, 1948; v. 611; p. 1018.
- Hair clipping and shaving device. Ralph E. Jones. No. 2,228,768; date of patent Jan. 14, 1941; disclaimer filed Feb. 21, 1948; v. 608; p. 831.
- Handle lock. Harvey W. Rasmussen. No. 2,427,622; date of patent Sept. 16, 1947; disclaimer filed Sept. 24, 1948; v. 615; p. 810.
- Harmonic generator. Reflex. John W. Tiley. No. 2,422,146; date of patent June 10, 1947; disclaimer filed Jan. 9, 1948; v. 607; p. 197.
- Head for magnetic recording, Recording and reproducing. William B. Lathford and Lynn C. Holmes. No. 2,413,108; date of patent Dec. 24, 1946; disclaimer filed July 23, 1948; v. 613; p. 1093.
- Heating apparatus. George T. Wait. No. 2,410,537; date of patent Nov. 5, 1946; disclaimer filed July 8, 1948; v. 613; p. 502.
- Hydraulic coupling. Theodore A. Woolsey. No. 2,426,423; date of patent Aug. 26, 1947; disclaimer filed Jan. 23, 1948; v. 608; p. 11.
- Hydraulic drive for hoists or the like. Ralph E. Gignoux. No. 2,414,197; date of patent Jan. 14, 1947; disclaimer filed Aug. 18, 1948; v. 614; p. 301.
- Hydrocarbon alkylation process. Maryan P. Matuszak. No. 2,379,368; date of patent June 26, 1945; disclaimer filed July 19, 1948; v. 613; p. 502.
- Internal combustion engine. Jean A. H. Barkeij. Re. No. 21,177; date of patent Aug. 22, 1939; disclaimer filed July 30, 1948; v. 614; p. 28.
- Internal combustion engine. Jean A. H. Barkeij. No. 2,173,081; date of patent Sept. 12, 1939; disclaimer filed Jan. 26, 1948; v. 609; p. 474.

- Internal-combustion engine. Ross E. Taylor. No. 2,432,699; date of patent Dec. 16, 1947; disclaimer filed Apr. 14, 1948; v. 610; p. 503.
- Machine table extension. Herbert E. Tautz. No. 1,938,548; date of patent Dec. 5, 1933; disclaimer filed Mar. 18, 1948; v. 609; p. 474.
- Magnetic control. Irvin L. Case. No. 2,406,489; date of patent Aug. 27, 1946; disclaimer filed Nov. 12, 1948; v. 617; p. 296.
- Magnetic recorder. Marvin Camras. No. 2,351,005; date of patent June 13, 1944; disclaimer filed Apr. 8, 1948; v. 610; p. 503.
- Mast erection, Collapsible. Homer J. Woolslayer, Erwin A. Campbell, and Cecil Jenkins. No. 2,271,578; date of patent Feb. 3, 1942; disclaimer filed Dec. 17, 1947; v. 606; p. 202.
- Mixing faucet for beverages. Charles William Lloyd. No. 2,408,664; date of patent Oct. 1, 1946; disclaimer filed Oct. 23, 1948; v. 616; p. 1120.
- Mud-laden fluids to oil or gas wells, Application of. Phillip E. Harth. No. 1,991,637; date of patent Feb. 19, 1935; disclaimer filed Apr. 7, 1948; v. 610; p. 269.
- Multiport plate type valve. Arthur L. Riche. No. 2,047,131; date of patent July 7, 1936; disclaimer filed Aug. 23, 1948; v. 614; p. 301.
- Needle lever and latch opener. Oscar Fregeolle. No. 2,400,636; date of patent May 21, 1946; disclaimer filed Feb. 13, 1948; v. 608; p. 649.
- Paper feeding machine. Henning Hallstream. No. 2,144,057; date of patent Jan. 17, 1939; disclaimer filed Dec. 24, 1947; v. 606; p. 378.
- Plasticization of plastics. John D. Jenkins. Re. No. 22,812; date of patent Dec. 3, 1946; disclaimer filed Mar. 15, 1948; v. 609; p. 255.
- Pressure cooker. Harold P. Allen. No. 2,369,932; date of patent Feb. 20, 1945; disclaimer filed Dec. 13, 1947; v. 606; p. 378.
- Printing, Method of and apparatus for. William J. Wilkinson. No. 2,155,458; date of patent Apr. 25, 1939; disclaimer filed July 29, 1948; v. 613; p. 1093.
- Projector, Motion picture. Karl Brenkert. No. 2,194,585; date of patent Mar. 26, 1940; disclaimer filed Oct. 21, 1948; v. 616; p. 566.
- Pulse producing system. William A. Fitch. No. 2,423,304; date of patent July 1, 1947; disclaimer filed Sept. 1, 1948; v. 615; p. 7.
- Rod for welding torches, Cleaning. Harry D. Maitlen. No. 2,429,581; date of patent Oct. 21, 1947; disclaimer filed Dec. 8, 1947; v. 606; p. 9.
- Safety drive, braking, and control mechanism for magnetic recording devices. Marvin Camras. No. 2,412,318; date of patent Dec. 10, 1946; disclaimer filed Mar. 19, 1948; v. 610; p. 17.
- Safety shield. Ellsworth T. Johnson. No. 2,410,503; date of patent Nov. 5, 1946; disclaimer filed Nov. 19, 1947; v. 606; p. 9.
- Salad oil, Manufacture of. Leo C. Brown. No. 2,393,744; date of patent Jan. 29, 1946; disclaimer filed Jan. 12, 1948; v. 607; p. 376.
- Sash balance. Gustave H. Froelich. No. 2,329,463; date of patent Sept. 14, 1943; disclaimer filed Oct. 5, 1948; v. 616; p. 7.
- Separation of styrene from ethyl benzene by azeotropic distillation. Theodor A. Petry and Grady L. Payne. No. 2,411,106; date of patent Nov. 12, 1946; disclaimer filed July 23, 1948; v. 613; p. 503.
- Sheet feeding machinery, Automatic. Headley T. Backhouse. No. 2,108,702; date of patent Feb. 15, 1938; disclaimer filed Jan. 10, 1948; v. 607; p. 197.
- Shock absorber for motor vehicles. Gordon R. Pennington. No. 2,009,677; date of patent July 30, 1935. disclaimer filed Jan. 26, 1948; v. 607; p. 582.
- Signalling apparatus. Ralph A. Reid. No. 2,339,111; date of patent Jan. 11, 1944; disclaimer filed Nov. 6, 1948; v. 617; p. 296.
- Sludge coking. Maurice H. Arveson. No. 2,412,667; date of patent Dec. 17, 1946; disclaimer filed Apr. 14, 1948; v. 610; p. 503.
- Soap and process for making same. Bror J. Grondal and Harry Morley Wyld. No. 2,300,416; date of patent Nov. 3, 1942; disclaimer filed Mar. 9, 1948; v. 609; p. 474.
- Sole trimming machine. Charles L. Flindt. No. 2,434,739; date of patent Jan. 20, 1948; disclaimer filed Oct. 25, 1948; v. 616; p. 1120.
- Stabilizing arrangement for aircraft, Automatic. Robert Alkan. No. 2,259,600; date of patent Oct. 21, 1941; disclaimer filed Oct. 6, 1948; v. 616; p. 7.
- Suction cleaner. Vernon E. Carlson. No. 2,202,983; date of patent June 4, 1940; disclaimer filed May 11, 1948; v. 611; p. 269.
- Suction cleaner. Vernon E. Carlson. No. 2,291,689; date of patent Aug. 4, 1942; disclaimer filed May 22, 1948; v. 611; p. 763.
- Suction cleaner. William H. Kitto. Re. No. 22,077; date of patent Apr. 21, 1942; disclaimer filed May 11, 1948; v. 611; p. 269.
- Suction cleaning apparatus. Charles H. Taylor. No. 2,409,230; date of patent Oct. 15, 1946; disclaimer filed Dec. 23, 1947; v. 607; p. 21.
- Telephone system. John Ellis Ostline. No. 2,297,365; date of patent Sept. 29, 1942; disclaimer filed Oct. 27, 1948; v. 616; p. 1120.
- Telephone system. Don H. Young. No. 2,393,354; date of patent Jan. 22, 1942; disclaimer filed May 5, 1948; v. 611; p. 269.
- Television receiver. Alda V. Bedford. No. 2,207,775; date of patent July 16, 1940; disclaimer filed Sept. 13, 1948; v. 615; p. 265.
- Temperature control of catalytic reactions. Walter A. Wurth. No. 2,383,636; date of patent Aug. 28, 1945; disclaimer filed Aug. 11, 1948; v. 614; p. 29.
- Transfer of solid material between zones of different pressures. Joseph W. Jewell. No. 2,304,827; date of patent Dec. 15, 1942; disclaimer filed Dec. 18, 1947; v. 607; p. 376.
- Transmission line. Harold A. Wheeler. No. 2,421,137; date of patent May 27, 1947; disclaimer filed Sept. 25, 1948; v. 615; p. 810.
- Transmission system. George G. Light. No. 2,346,173; date of patent Apr. 11, 1944; disclaimer filed Mar. 11, 1948; v. 609; p. 255.
- Treating dough, Means for. Morris Cohen, Duard W. Enoch, George Hasty, and Gerald A. Jorgenson. No. 2,383,774; date of patent Aug. 28, 1945; disclaimer filed Oct. 16, 1948; v. 616; p. 566.
- Triazole derivatives. Gaetano F. D'Alelio. No. 2,352,944; date of patent July 4, 1944; disclaimer filed May 12, 1948; v. 611; p. 539.
- Tuning device, Cavity. Ingo L. Stephan. No. 2,409,321; date of patent Oct. 15, 1946; disclaimer filed Dec. 10, 1947; v. 606; p. 202.
- Vacuum distillation apparatus. Kenneth C. D. Hickman and Edmond S. Perry. No. 2,403,978; date of patent July 16, 1946; disclaimer filed Nov. 12, 1947; v. 606; p. 9.
- Vibrator. Frederick W. Side. No. 2,423,524; date of patent July 8, 1947; disclaimer filed Nov. 12, 1948; v. 617; p. 296.
- Volatile metal halides from fluids, Removal of. William A. La Lande, Jr. No. 2,413,185; date of patent Dec. 24, 1946; disclaimer filed Mar. 24, 1948; v. 609; p. 474.
- Vulcanizer clamp. John C. Crowley. (Two cases.) No. 2,272,965; date of patents Feb. 10, 1942; disclaimers filed Oct. 16 and Nov. 5, 1948; v. 616; pp. 291 and 1120.
- Washing and cleansing. Ralph E. Hall. No. 2,035,652; date of patent Mar. 31, 1936; disclaimer filed Sept. 10, 1948; v. 615; p. 265.
- Water softening and washing. Ralph E. Hall. Re. No. 19,719; date of patent Oct. 8, 1935; disclaimer filed Sept. 10, 1948; v. 615; p. 265.
- Welding system, Energy storage. George L. Rogers. No. 2,276,796; date of patent Mar. 17, 1942; disclaimer filed Feb. 27, 1948; v. 608; p. 831.

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 Whitmer et al., In re. 612 O. G. 283.
 Williams, In re. 615 O. G. 263.
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